

GOVERNMENT OF INDIA

OFFICE OF

EXECUTIVE ENGINEER

I - DIVISION

CENTRAL P.W.D., NEW DELHI.

NOTICE INVITING TENDER

N.I.T. No.: 43/2026-27/ID/1

Name of Work: - Upgradation of work in various GOB's Class ABC bungalows & Srt Qtr under 1-I Sub - Division during 2026-27 (SH: Construction of Kattappa Stone pathway, red sand stone floor work, false ceiling work, renovation of Out side Kitchen in Bungalow No. 7 Tughlak Lane and miscellaneous civil work in other GoB bungalows).

ESTIMATED COST

PUT TO TENDER : Rs. 44,11,361/-

EARNEST MONEY : Rs. 88,227/-

TIME ALLOWED : 02 Months

This N.I.T. is approved for Rs. 44,11,361/- (Rs. Forty-Four Lakhs Eleven Thousand Three Hundred Sixty-One Only).

**Assistant Engineer (P)
I- Division, CPWD
New Delhi**

**Executive Engineer
I- Division, CPWD
New Delhi**

NOTICE INVITING FOR e-TENDER

NAME OF WORK: Upgradation of work in various GOB's Class ABC bungalows & Srt Qtr under 1-I Sub - Division during 2026-27 (SH: Construction of Kattappa Stone pathway, red sand stone floor work, false ceiling work, renovation of Out side Kitchen in Bungalow No. 7 Tughlak Lane and miscellaneous civil work in other GoB bungalows).

INDEX

S. No.	Description	Page No.
1.	Information and instructions for bidders for e-tendering	3-4
2.	List of Documents to be scanned and uploaded within the period of bid submission	5
3.	Check List	6
4.	Receipt of EMD	7
5.	Bank Guarantee	8-9
6.	CPWD 6 for e-tendering	10-13
7.	Form 'F'	14
8.	Special Conditions for Association of Specialized Agencies	15-19
9.	Form CPWD 7	20-21
10.	Schedule A to F (Civil Work)	22-26
11.	Scope of Work	27
12.	Annexure I	28
13.	General Terms & Conditions for Civil & Electrical	29-33
14.	Special Conditions for Civil work	34-35
15.	Condition for cement and steel	36-37
16.	Minimum Quality Assurance Plan	38
17.	Online EMD circulars	39
18.	DG/SOP circular	40-45
19.	List of Preferred Makes	46-48
20.	Schedule of Quantities	49-64

Certified that this NIT contains pages **1 to 64** only.

NIT No. 43/2026-27/ID/1 of **Rs. 44,11,361/-** (**Rs. Forty-Four Lakhs Eleven Thousand Three Hundred Sixty-One only**) having Pages No. (1 to 71) is hereby approved).

**Executive Engineer
I-Division, CPWD
New Delhi.**

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING

The Executive Engineer, **I-Division, CPWD, I.P. Bhawan, New Delhi-110002, Telephone No. 011-23370069, Fax No. 011-23378604, E-mail : deleeci.cpwd@nic.in** on behalf of the president of India invites online percentage rate composite bid from approved and eligible contractors of CPWD of appropriate class for the following work(s):

NIT No.	43/2026-27/ID/1
Name of work & location	Upgradation of work in various GOB's Class ABC bungalows & Srt Qtr under 1-I Sub - Division during 2026-27 (SH: Construction of Kattappa Stone pathway, red sand stone floor work, false ceiling work, renovation of Out side Kitchen in Bungalow No. 7 Tughlak Lane and miscellaneous civil work in other GoB bungalows).
Estimated cost put to bid	Rs. 44,11,361/-
Earnest Money	Rs. 88,227/-
Stipulated Period of Completion of work	02 Months
Last date of online submission of bid, copy of receipt of deposition of original EMD through (online payment mode) and other document as specified in the bid document.	Upto 03:00 PM on 14-07-2026

1. The successful bidder (to be called as **Main Contractor**) shall post tender associate **Specialized Agency(s)** for execution of each of the specialized work(s) as per the details mentioned in "**Special Conditions for association of Specialized Agencies**".
2. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
3. Information and Instructions for bidders posted on website shall form of bid document.
4. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <https://etender.cpwd.gov.in> or www.cpwd.gov.in or www.eprocure.gov.in free of cost.
5. But the bid can only be submitted after deposition of original EMD through online payment mode and original bank guarantee including e-bank guarantee (for balance amount as prescribed) either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned documents such as Bank Guarantee includes e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank towards EMD in favour of Executive Engineer as mentioned in NIT, receipt for deposition of bank guarantee to division office of any Executive Engineer (including NIT issuing EE/ AE), CPWD and other documents as specified.
6. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
7. The intending bidder must have valid class-III digital signature to submit the bid.
8. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
9. Contractor can upload documents in the form of JPG format and PDF format.
10. Contractor must ensure to quote rate in the prescribed column(s) meant for quoting rate in figures appears in pink 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.

11. If it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.
12. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
13. It is mandatory to fill details / upload scanned copies of all the documents as stipulated in the bid document. If such document is not uploaded his bid will become invalid and processing fee shall not be refunded.
14. If the Contractor is found ineligible after opening of bids, his bid shall become invalid.
15. 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 Contractor, the bid shall become invalid.

...**... To be filled by Executive Engineer

**Executive Engineer
I-Division, CPWD
New Delhi.**

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

1. Enlistment Order of the Contractor of the Composite Category in CPWD in appropriate Class.
2. Acknowledgement of depositing earnest money online through e-gateway of SBI, IDBI and Axis Bank.
3. Scanned copy of original bank guarantee including e-bank guarantee of a Commercial Bank against EMD, drawn in favour of Executive Engineer, I-Division, CPWD, New Delhi (The bank guarantee document shall be issued for the same state in which the office of receiving division office is situated). (In case of Part EMD)
4. Copy of receipt for deposition of original EMD (In case of Part EMD) In enclosed Form-'A'.

(Note: - EMD is required to deposit in the office of Executive Engineer, I-Division, CPWD, New Delhi who is inviting bid or Division office of any Executive Engineer, CPWD within the period of bid submission. If the EMD is deposited in Sub Division office then it shall not be considered and tender shall be rejected).

5. GST Registration certificate if already obtained by the bidder.
If the bidder has not obtained GST registration as applicable, then he shall scan and upload following undertaking along with bid documents.

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

6. An undertaking that "I/We shall submit the documents of Associated specialized Agencies / Manufacturer / Authorized service agency / Service provider of the equipment as per the eligibility criteria mentioned in the special conditions of NIT for association of specialized agencies within 15 days after award of the work otherwise department may taken action against me/us as per clause-3 of the applicable GCC of the agreement & may forfeit performance guarantee absolutely and also shall fulfill all the formalities for association of the specialized agencies as per the conditions mentioned in the Special Conditions for Association of Specialized Agencies".
7. Copy of the PAN of the Bidder.
8. Undertaking on structural stability and soundness as per prescribed format Form 'F'.
9. Any other document as specified in bid document.
10. ERP training certificate.

Note: - (1) The Lowest Bidder is required to produce original document on or before or at the time of submission of Performance guarantee Money which are uploaded by the bidder at the time of bid submission otherwise Performance guarantee Money shall not be accepted and EMD shall be forfeited.

**Executive Engineer
I-Division, CPWD
New Delhi**

CHECK LIST FOR BIDDERS FOR SUBMISSION OF BID

1. The bidder should read all the instructions, terms & 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 Maintenance Works 2023, CPWD Form 7 as modified & corrected upto previous day of the last date of submission of the tender published by D.G., CPWD, Nirman Bhawan, New Delhi-110011 which will be a part of the Agreement.
3. The bidder shall quote his rates keeping in mind the specifications, terms & conditions, additional and special conditions etc. and nothing shall be payable extra whatsoever unless otherwise specified.

"Provision for Labour Camp": (No.CSQ/C&M/C37(8)/2005/688 dated 07.07.06.)"

4. The bidder shall have to make his own arrangement for housing facilities for staff and labour away from site and shall have to transport the labour to and fro between site and labour camp at his own cost. No labour huts will be allowed to be constructed at the site except a few temporary sheds for chowkidars and storekeepers. The decision about how many huts can be allowed for chowkidars and storekeepers at site shall rest with the Engineer-in-charge and the bidder shall have no claim on this account.

**Executive Engineer
I- Division, CPWD,
New Delhi**

FORM 'A'

RECEIPT OF DEPOSITION OF ORIGINAL EMD

(Receipt No.....date.....)

1. Name of Work : Upgradation of work in various GOB's Class ABC bungalows & Srt Qtr under 1-I Sub - Division during 2026-27 (SH: Construction of Kattappa Stone pathway, red sand stone floor work, false ceiling work, renovation of Out side Kitchen in Bungalow No. 7 Tughlak Lane and miscellaneous civil work in other GoB bungalows).
2. NIT No. : **43/2026-27/ID/1**
3. Estimated Cost : **Rs. 44,11,361/-**
4. Amount of Earnest Money Deposit : **Rs. 88,227/-**
5. Last date of submission of bid : Upto 03:00 PM on 14-07-2026

-
- # 1. Name of contractor.....
 - # 2. Form of EMD.....
 - # 3. Amount of Earnest Money Deposit.....
 - # 4. Date of submission of EMD.....

...**... To be filled by EE

To be filled by EMD receiving EE

*Signature, Name and Designation of EMD
Receiving officer (EE/AE(P)/AE/AAO)
alongwith Office stamp*

On non-judicial stamp paper of minimum Rs. 100
(Guarantee offered by Bank to CPWD in connection with the execution of contracts)
Form of Bank Guarantee includes e-Bank Guarantee for Earnest Money Deposit /
performance Guarantee / Security Deposit

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

or**

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

2. We, (indicate the name of the bank) (herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs..... (Rupees only) on demand by the Government within 10 days of the demand.
3. We, (indicate the name of the Bank) do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor. Any such demand made on the Bank shall, be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. (Rupeesonly)
4. We, (indicate the name of the Bank), further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any court or Tribunal, our liability under this Bank Guarantee includes e-Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee includes e-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 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.

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

8. This Bank Guarantee includes e-Bank Guarantee shall be valid up to unless extended on demand by the Government. Notwithstanding any thing mentioned above, our liability against this guarantee is restricted to Rs..... (Rupees.....only) and unless a claim in writing is lodged with us within 6 months of the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Date.....

Witnesses:

1. Signature.....
Name and address

Authorized signatory

Name

Designation

Staff code no.

2. Signature.....
Name and address

Bank seal

* **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 / bid.**

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

CPWD-6 FOR e-Tendering

- 1.0 **The Executive Engineer, I-Division, CPWD, I.P. Bhawan, New Delhi-110002, Telephone No. 011-23370069, Fax No. 011-23378604, E-mail : deleeci.cpwd@nic.in** on behalf of the president of India invites online percentage rate composite bid from approved and eligible contractors of CPWD of appropriate class for the following work(s):

"Upgradation of work in various GOB's Class ABC bungalows & Srt Qtr under 1-I Sub - Division during 2026-27 (SH: Construction of Kattappa Stone pathway, red sand stone floor work, false ceiling work, renovation of Out side Kitchen in Bungalow No. 7 Tughlak Lane and miscellaneous civil work in other GoB bungalows)."

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

- 1.1 The work is estimated to cost **Rs. 44,11,361/-**. This estimate, however, is given merely as a rough guide.
2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD-7 amended up to date 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 bid documents.
4. The site for the work is available in parts.
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen on website <http://etender.cpwd.gov.in> free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (He need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
8. Earnest money (100%) shall be paid online through e-gateway of SBI, IDBI and Axis Bank available on e-tendering platform within the period of bid submission.

OR

Earnest will be paid online through CPWD e-tendering platform within the period of bid submission. This receipt shall also be uploaded to the e-tendering website by the intending bidder upto the specified bid submission date and time.

A part of earnest money is acceptable in the form of Bank Guarantee includes e-bank guarantee also. In such cases 50% of earnest money or Rs. 20 lakh whichever is less, will have to be deposited through online payment mode above and balance can be accepted in form of Bank Guarantee includes e-Bank Guarantee issued by a Commercial Bank.

The Bank Guarantee includes e-Bank Guarantee submitted as a part of Earnest Money is valid for a period of 90 days for single bid works from the date of submission of the tender.

The earnest money given by all the tenderers except the lowest tenderer is refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier.

Copy of Enlistment Order and other documents as specified in the press notice/bid documents shall be scanned and uploaded to the e-tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in press notice/bid documents shall have to be submitted by the lowest bidder only within a week physically in the office of tender opening authority.

Online bid documents submitted by intending bidders shall be opened only of those bidders, who has deposited EMD online through CPWD e-tendering portal and bank guarantee including e-bank guarantee (for balance amount as prescribed) from a commercial bank on CPWD e-tendering platform and other documents scanned and uploaded are found in order.

9. The contractor registered prior to 01.04.2015 on e-tendering portal of CPWD shall have to deposit tender processing fee at existing rates, or they have option to switch over to the new registration fee any time.

The bid submitted shall be opened **at 03:30 PM on 14-07-2026.**

10. The bid submitted shall become invalid if:
- The bidder is found ineligible.
 - The contractor does not submit the EMD in required form as provided in para 8 above.
 - 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.
 - If bidder does not quote any percentage above or below or at par 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 bid.
 - If bidder failed to submit the mandatory documents as mentioned in the list of mandatory documents to be scanned and uploaded within in the period of bid submission.

11. **The contractor whose bid is accepted will be required to furnish performance guarantee of 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 includes e-Bank Guarantee from any of the Commercial Banks in accordance with the prescribed form.** In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F' including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses / registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. if applicable and also ensure the compliance of aforesaid provisions by the sub-contractors, if any engaged by the contractor for the said work and Programme Chart (Time and Progress) within the period specified in Schedule F.

12. The description of the work is as follows:

"Upgradation of work in various GOB's Class ABC bungalows & Srt Qtr under 1-I Sub - Division during 2026-27 (SH: Construction of Kattappa Stone pathway, red sand stone floor work, false ceiling work, renovation of Out side Kitchen in Bungalow No. 7 Tughlak Lane and miscellaneous civil work in other GoB bungalows)."

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

13. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.
14. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable to rejection.

15. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
16. The contractor shall not be permitted to bid for works in the CPWD 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 Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
17. 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 previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
18. 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 / 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.
19. The bid for the works shall remain open for acceptance for a period of 02 Months from the date of opening of bid. Further
 - (i) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within **7 days after last date and time (24 hours basis)** of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - (ii) If any tenderer withdraws his tender 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 and time (24 hours basis)** of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - (iii) 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.
 - (iv) Withdrawal of the tender, by the tenderer, shall only be made through **e-tender portal**. Any other method i.e. through letter / e-mail etc. shall not be considered. The tender inviting authority gets intimation through SMS and email in this regard.
20. This Notice Inviting bid shall form a part of the contract document. The successful bidders / contractor, on acceptance of his bid by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work, sign the contract consisting of: -
 - (a) The Notice Inviting bid, all the documents including additional conditions, specifications and drawings, if any, forming the bid as issued at the time of invitation of bid and acceptance thereof together with any correspondence leading thereto.
 - (b) Standard CPWD Form-7, GCC 2023 (Maintenance Works) as corrected / modified upto date.
21. **In case of extension of agreement due to delay and / or reduction in scope of work due to foreclosure, no claim on account of reduction in value of work, loss of business, loss of profit, consequently overheads, any type of interest etc. shall be entertained.**

22. If the exigencies of the work so demand, the engineer-in-charge may allow payment to a third party, who is creditor to the contractor, after fulfilling the conditions under clause 7B.
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/ Assistant Engineer (e-mail Id DELEECI.CPWD@NIC.IN) 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.

**Executive Engineer,
I - Division, CPWD, New Delhi**
For & on behalf of President of India

Form 'F'

Undertaking on structural stability and soundness of already completed buildings and infrastructure projects.

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

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

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

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

Signature of
notary with seal

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

Note: (1) Affidavit to be furnished on a 'non-judicial' stamp paper of Rs. 200/- (scanned copy of the notarized affidavit to be uploaded at the time of submission of bid).

(2) The undertaking should not be older by 30 days from the last date of submission of tender.

SPECIAL CONDITIONS FOR ASSOCIATION OF SPECIALIZED AGENCIES

1. The main contractor shall have to associate other specialised agency(s) (Joint ventures are not accepted) for execution of each of these specialized work(s), who fulfils the eligibility criteria as defined below, within 10 days of issue of LoI or actual date of start of work, whichever is earlier, otherwise department may take action as per clause-3 of the applicable GCC of the agreement & may forfeit performance guarantee absolutely.
2. The agency shall submit the similar work experience documents in respect of experience of having satisfactorily completed similar works as defined below during last seven years.

S. No.	Eligibility Criteria for approval of specialized agency
A.	Civil Works
1.	Water-proofing (Estimated Cost: - Rs. 96,879/-)
	Three similar works each costing not less than Rs. 38,752/- or Two similar works each costing not less than Rs. 58,128/- Or, One similar work of aggregate cost not less than Rs. 77,503/- Similar work shall mean works of "providing and laying water-proofing treatment"

1. The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum.
2. However, the Main Contractor shall also be eligible to carry out himself any or all of the above specialized works without associating any specialized agency provided they fulfils the prescribed eligibility criteria for each of the above specialized work(s).
3. The main contractor shall have to submit credential such as self attested copies of Certificates of Work Experience/Completion issued by client department clearly indicating 1. Name of work 2. Scope of Work 3. Agreement No. 4. Estimated Cost 5. Tendered Cost 6. Final Value of Work Done 7. Date of Start 8. Stipulated date of Completion 9. Actual date of completion 10. Self attested copy of valid Electrical contractor license, GST registration of the proposed associated specialized agencies for verification (if required) and for approval of the department as per eligibility requirement mentioned above as per **FORM-II**. Main contractor shall 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 of proposed associated specialized agencies along with above documents.
4. Consent letter of such selected associated specialized agencies for association shall also be enclosed in the prescribed format as per **FORM-I** along with documents mentioned as above.
5. After approval of associated specialized agencies by Engineer-in-charge, the main contractor will submit MoU signed with the Associated Specialized Agency as per **FORM-III** in shape of affidavit on stamp paper duly attested by notary in original within 5 (Five) Days after issue of approval letter (for Associate Specialized Agency). The MoU shall be signed by both the parties" i.e. Main Contractor as 1st party and Associated Specialized Agency as 2nd party, independently for all specialized work(s).
6. All technical discussions during currency of the contract shall be attended by the Associated Specialized Agencies and the Main Contractor. Commercial/Technical submissions for the specialized work(s) shall be signed and submitted by the Associate Specialized Agencies along with the Main Contractor.
7. The Associated Specialized Agencies and the Main Contractor shall attend the site during inspection of the work by the Engineer-in-Charge or higher authority.
8. The Main Contractor shall be entirely responsible and answerable for all the works done by his Associated Specialized Agency regarding their quality, adherence to the laid down specification, terms and conditions, warranty/guarantee etc as per the agreement and he

shall be liable to bear any compensation that may be levied by the department under any of the clauses of the agreement.

9. In the event of the concerned Associated Specialized Agency not performing satisfactorily or failure to complete the specialized works(s), the Main Contractor on written directions of the Engineer-in-charge, shall remove the Associated Specialized Agency deployed on the work and shall submit name of new associated specialized Agency as per eligibility criteria mentioned in the NIT to execute the left over specialized work(s) without any loss of time after completion of all formalities mentioned as above.

Also, if Main Contractor wants to change the Associated Specialized Agency during the currency of the contract, he shall submit name of new Associated Specialized Agency as per eligibility criteria mentioned in the NIT to execute the left-over specialized work(s) after completion of all formalities mentioned as above.

The Main Contractor shall be responsible and liable for proper and complete execution of the all works including specialized work(s) and ensure coordination and completion of all associated specialized works.

10. Running payment for the work shall be made to the Main Contractor. In case Main Contractor fails to make the payment to the Associated Specialized Agency(s) by him within 15 days of receipt of each running account payment then on the written complaint of any Associated Specialized Agency(s) for such work, Engineer-in-Charge shall serve the show cause to Main Contractor and after considering the reply of the same he may make the payment directly to the concerned Associated Specialized Agency(s) for the work as per the terms & conditions of the agreement/MoU drawn between Main Contractor and Associated Specialized Agency(s) fixed by him, if reply of main contractor either not received or found unsatisfactory. Such payment made to the Associated Specialized Agency(s) shall be recovered by Engineer-in-Charge from the next RA / final bill due to Main Contractor as the case may be.

**Executive Engineer
I-Division, CPWD,
New Delhi**

FORM -I

CONSENT LETTER FROM ELIGIBLE ASSOCIATE AGENCY OF SPECIALIZED WORK(S)

Name of work: **"Upgradation of work in various GOB's Class ABC bungalows & Srt Qtr under 1-I Sub - Division during 2026-27 (SH: Construction of Kattappa Stone pathway, red sand stone floor work, false ceiling work, renovation of Out side Kitchen in Bungalow No. 7 Tughlak Lane and miscellaneous civil work in other GoB bungalows)."**

I / We hereby give my consent to associate with M/s, for execution of the work of (Mention specialized work(s)).

1. I / We will execute the work as per specifications and conditions of the agreement and as per directions of the Engineer-in-Charge for the corresponding specialized work(s) till the completion of the work.
2. I / We will be responsible for necessary action to handover the installations and for rectification of defects and repair during the maintenance / warranty period.
3. Also I / We will employ full time technically qualified Engineer / supervisor for the specialized work(s) component of the work as required for the work and list of same shall be made available to Engineer-in-Charge. I / We will attend inspection of officers of the department as and when required.

Date:

Signature with date of Main Agency/Contractor

Signature with date of Associate
Specialized Agency

Address :

Address :

1. Witness with address
(From Main Contractor side)
2. Witness with address
(From Associated Agency side)

FORM –II

PROPOSAL FOR ELIGIBLE ASSOCIATING AGENCIES FOR SPECIALIZED WORK(S)

I/we hereby propose the following agencies to be associated as details given below for executing the corresponding specialized work(s). Their consent letter are also attached as per **FORM-I**

Sl.N.	Name of Associated Specialized Agency	Category and class of CPWD registration/ Enlistment (if any)	Registration/Enlistment copy/ completion Certificates attached	Validity of registration/ Enlistment	Value of Gross Work Done of Specialized work	Experience Certificate attached (Yes/No)	Consent letter attached (Yes/No)
Sub Work – I							
1							
2							
3							

Signature of Main Contractor

FORM-III

MEMORANDUM OF UNDERSTANDING [MoU] BETWEEN

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

Enlistment Status

Valid Upto:

[Henceforth called the Main Contractor]

and

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

Enlistment Status

Valid Upto:

[Henceforth, called Associated Specialized Agency]

Specialised work: _____

For the execution of Specialized Work(s) in **"Upgradation of work in various GOB's Class ABC bungalows & Srt Qtr under 1-I Sub - Division during 2026-27 (SH: Construction of Kattappa Stone pathway, red sand stone floor work, false ceiling work, renovation of Out side Kitchen in Bungalow No. 7 Tughlak Lane and miscellaneous civil work in other GoB bungalows)"** as per schedule, specifications, terms and conditions of the agreement.

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

We have agreed as under:

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

Signature of Main Contractor

Signature of Associated Specialized Agency

Date:

Date:

Place:

Place:

CPWD-7
GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE	Delhi	ZONE	NDZ –I
BRANCH	B & R	DIVISION	I- Division

PERCENTAGE RATE BID AND CONTRACT FOR WORK

Bid for the work of: - **"Upgradation of work in various GOB's Class ABC bungalows & Srt Qtr under 1-I Sub - Division during 2026-27 (SH: Construction of Kattappa Stone pathway, red sand stone floor work, false ceiling work, renovation of Out side Kitchen in Bungalow No. 7 Tughlak Lane and miscellaneous civil work in other GoB bungalows)."**

- (i) To be submitted /uploaded online on **14-07-2026 up to 03:00 PM**
- (ii) Bid to be opened online in presence of bidders who may be present at **03:30 PM on 14-07-2026** in the office of **Executive Engineer, I-Division, CPWD, New Delhi.**

T E N D E R

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

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F', viz., schedule of quantities and in accordance in all 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.

We agree to keep the tender open for **02 Months** from the due date of its opening and not to make any modifications in its terms & conditions.

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

In respect of portion of EMD prescribed in the shape of BG, the scanned copy of original Bank Guarantee including e-bank guarantee (as applicable) of any commercial bank having validity for a period of 90 days for single bid is to be 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 his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said the performance guarantee absolutely, otherwise said performance guarantee shall be retained by him towards security deposit to execute all the works referred to in the bid documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, up to maximum of the percentage mentioned in Schedule 'F' and 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 bid form.

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

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

a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of 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 the Contractor

Witness: ...**...

Postal Address ...**...

Address: ...**...

Occupation: ...**...

...**... *To be filled by the Executive Engineer*

...**... *To be filled by the Contractor*

ACCEPTANCE

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

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

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

For & on behalf of the President of India

Signature ...**...

Dated ...**...

Designation ...**...

...**... *To be filled by the Executive Engineer*

PROFORMA OF SCHEDULES

SCHEDULE 'A'			
Schedule of quantities, enclosed on separate sheets:		Civil	: attached
SCHEDULE 'D'			
Extra schedule for specific requirements/documents for the work, if any:		NIL	
SCHEDULE 'E'			
Reference to General Conditions of contract:		Applicable GCC is General Conditions of Contract (Maintenance Works) 2023 as modified & corrected upto previous day of the last date of submission of the tender.	
Name of Work: -		Upgradation of work in various GOB's Class ABC bungalows & Srt Qtr under 1-I Sub - Division during 2026-27 (SH: Construction of Kattappa Stone pathway, red sand stone floor work, false ceiling work, renovation of Out side Kitchen in Bungalow No. 7 Tughlak Lane and miscellaneous civil work in other GoB bungalows).	
Estimated cost of work: -		Civil	: Rs. 44,11,361/-
		Total	: Rs. 44,11,361/-
(i)	Earnest money: (To be returned after receiving performance guarantee)	Rs. 88,227/-	
(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, I-Division, CPWD, New Delhi.
Definitions:		
2 (vi)	Engineer-in-Charge	Executive Engineer, I-Division, CPWD, New Delhi or his successor
2 (viii)	Accepting Authority	Executive Engineer, I-Division, CPWD, New Delhi or his successor or as per delegation of financial power.
2 (x)	Percentage on cost of materials and labour to cover all overheads and profits.	15%
2 (x)(b)	Standard schedule of Rates	Delhi Schedule of Rates-2023 with up-to-date correction slips
2 (xi)	Department	Central Public Works Department
2 (xvi)	Extra items	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.

2 (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.
9 (ii)	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.

Clause 1	
(i) Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance, in days.	7 days
(ii) Maximum allowable extension with late fee @ 0.1% per day of performance guarantee amount beyond the period as (provided in i) above.	3 days

Clause 2	
Authority for fixing compensation under clause 2.	Chief Engineer, NDZ1, CPWD or his successor.

Clause 2A	
Whether Clause 2A shall be applicable	No

Clause 5	
Number of days from the date of issue of letter of acceptance for reckoning date of start:	10 days

MILE STONE (S) AS PER TABLE GIVEN BELOW
Table of Milestone (s)

The mile stone(s) will be as given below in the table: -

Sl. No.	Description of Milestone (Physical)	Time allowed in months (from date off start)	Amount to be with held in case of non achievement of milestone
	Not Applicable.		

Time allowed for execution of work:	02 Months
--	------------------

(i)	Authority to convey the decision of shifting of milestone and extension of time.	Executive Engineer, I-Division, CPWD, New Delhi or his successor.
(ii)	Authority to decide rescheduling of mile stones and extension of time.	Chief Engineer, NDZ1, CPWD or his successor.
(iii)	Shifting of date of start in case of delay in handing over of site.	Chief Engineer, NDZ1, CPWD or his successor.

Proforma of Schedule Clause 5 Schedule of handing over of site

Part	Portion of site	Description	Time Period for handing over reckoned from date of issue of letter of intent
Part A	Portion without any hindrance	All	As and when required
Part B	Portions with encumbrances	Nil	N.A.
Part C	Portions dependent on work of other agencies	Nil	N.A.

Clause 5	
Applicable Clause 5 or Clause 5A	Clause 5

Clause 6	
Computerized Measurement Book (CMB) / Electronic Measurement Book (EMB)	
Mode of measurements	Electronic Measurement Book (EMB) Measurement to be recorded jointly by Department & Contractor.

Clause 7	
Gross work to be done together with net payment /adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment	22.06 Lakhs
Clause 7A	
Whether Clause 7A shall be applicable	Yes

Clause 8	
The competent authority to inspect and issue of completion certificate	Executive Engineer, I-Division, CPWD or his successor.

Clause 10A	
List of testing equipment to be provided by the contractor at site lab.	As per requirement of site and direction of Engineer-in-charge.

Clause 10B(ii)	
Whether Clause 10B(ii) shall be applicable	Not Applicable

Clause 10C		
Whether Clause 10C shall be applicable	Applicable	
Component of material / labour expressed as percent of value of work of respective discipline		Labour (Y)
	Civil	25%

Clause 10CC	
Whether Clause 10CC shall be applicable	Not Applicable

Clause 11	
Specifications to be followed for execution of work	
Civil Works:	CPWD Specifications for works-2019 Vol I & II with up-to-date correction slips and direction of Engineer-in Charge.

Clause 12	<i>The completion cost shall in no case exceed 1.5 times the contract amount</i>	
Authority to decide deviation of contract amount	Upto 1.25 times the contract amount	Executive Engineer, I-Division, CPWD or their successor
	Beyond 1.25 times upto 1.50 times of contract amount	Chief Engineer, NDZ1, CPWD or his successor
Type of work		Maintenance work

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.
GST correction issued vide DG OM No. 158/SE(TAS)/GST/2024/ 02-E dated 08/08/2024, shall be applicable to the rate derivation for extra items.	

Clause 12.3	
Deviation Limit beyond which clause 12.3 shall apply	No limit (All the deviated quantities shall be paid at agreement rates)

Clause 16	
Competent Authority for deciding reduced rates. (Shall be limited upto 5% of the Contract Value.)	Chief Engineer, NDZ1, CPWD or his successor

Clause 18	
List of mandatory machinery, tools & plants to be deployed by the contractor at site	As per requirement at site and direction of Engineer-in-charge.

Clause 19	
Authority to decide penalty for each default	
Clause 19C	Executive Engineer, I-Division, CPWD, New Delhi or his successor (Penalty of Rs. 200/- for each default)
Clause 19D	Executive Engineer, I-Division, CPWD, New Delhi or his successor (Penalty of Rs. 200/- for each default)
Clause 19G	Executive Engineer, I-Division, CPWD, New Delhi or his successor (Penalty of Rs. 100/- per day for each default and defaulting continuously the Penalty may be enhanced to Rs.200/- per day for each day fault subject way maximum of 5% of the estimated cost of the work put to tender)
Clause 19K	Executive Engineer, I-Division, CPWD, New Delhi or his successor (Penalty of Rs. 200/- per tradesman per day)

Clause 25	
(i) Conciliator	ADG(Delhi), CPWD or his successor
(ii) Arbitrator appointing authority	CE (NDZ-1), CPWD or his successor
(iii) Place of Arbitration	Delhi

Clause 32 Applicable.

Sl. No.	Minimum qualification of Technical Representative	Number (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
1	Graduate Engineer or Diploma Engineer	1	Project Manager cum planning / quality / Site / billing Engineer	2 or 5 respectively	Rs. 15,000/- per month per person

Clause 38

i)	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	
ii)	Variations permissible on theoretical quantities:	
	a. Cement	
	For works with estimated cost put to tender not more than Rs. 25 Lakh	3% plus/minus
	For works with estimated cost put to tender more than Rs 25 Lakh	2% plus/minus
	b. Bitumen for all works.	2.5% plus only & nil on minus side
	c. Steel Reinforcement and structural steel sections for each diameter, section and category.	2% plus/minus
	d. All other materials.	Nil

Note:

- Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineer.
- Diploma holder with minimum 10 years 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 engineer.

**Executive Engineer
I-Division, CPWD
New Delhi.**

SCOPE OF WORK

- 1.1 The work is situated at various bungalows of GOBs class ABC bungalows constructed between 1920 and 1935. Some bungalows are new & constructed post independence.
The bungalow shall also include all structures and installations inside bungalow premise like garage, office, guard rooms, servant quarters etc.
- 1.2 Work can be asked to do in the other areas of I-Division as well as 'B' Division for which nothing extra shall be paid.
- 1.3 The Engineer-in Charge and contractor jointly visit the bungalow and list out the details of items to be executed with consultation of the allottee and handed over the bungalow through SOB along with the list of work to be executed.
- 1.4 The Contractor shall arrange the site inspection of manufacturer's representative before taken up the painting / finishing work. The manufacturer's representative shall submit the report to Engineer-in Charge about the sequencing of work such as scrapping items surface preparation, POP and no. of coats of finishing for his decision.
- 1.5 At least 50% quantity of interior / exterior, paints shall be deposited to the representative of Engineer-in Charge before start of work along with copy of invoice issued by the department of manufactures.

2.0 General specifications of Bungalows –

- 2.1 The common & general specifications for accommodations are mentioned below for guidance only.

Structure	-	Load Bearing structure 100-150 yrs old
Masonry	-	Brick work in lime mortar / cement mortar.
External plaster	-	Cement plaster
External Finishing	-	Finishing with exterior emulsion painting etc.
Internal Finishing	-	1 st quality Acrylic distemper paint of Low VOC Painting / Polishing etc.
Doors Windows	-	Wooden with MS grills
Flooring	-	a. Rooms – Vitrified Floor tiles / wooden flooring b. Washrooms & Kitchen – Vitrified / Ceramic glazed tiles. c. Varendah or Porch – Granite or Kota stone or Italian marble etc.
2.2 Boundary wall	-	Brick masonry wall
Height	-	1.50 to 1.9 meter above G.L.
Finishing	-	Cement plaster

ANNEXURE-I

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

The Agreement made this _____ day of _____ one thousand nine hundred and _____ between _____ son of _____ of _____ (hereinafter called the Guarantor of the one part) and the PRESIDENT OF INDIA (hereinafter called the Government of the other part).

WHEREAS THIS agreement is supplementary to a contract (hereinafter called the Contract), dated _____ and made between the GUARANTOR OF THE ONE part and the Government of the other part, whereby the Contractor, *inter alia*, undertook to render the buildings and structures in the said contract recited completely water and leak-proof.

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

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

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

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

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

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

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

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

- 1. _____
- 2. _____

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

In the presence of –

- 1. _____
- 2. _____

GENERAL TERMS AND CONDITIONS FOR CIVIL & ELECTRICAL

1. The contractors are advised to get acquainted with the proposed work and its site and also study the Architectural Drawings, specifications and special conditions carefully before tendering. No claim of any sort shall be entertained on account of any site conditions and ignorance of specifications and special conditions
2. For the discipline of Civil works CPWD specifications 2019 (Vol. I & II) with up to date correction slips. All Electrical works shall be carried out as per CPWD specification Part-I (Internal) – 2023, CPWD specification Part-II (External) – 2023, Indian Electricity Rules – 1995 as amended till date of receipt of tenders. For items which are not covered under CPWD specifications, the special conditions / BIS specifications shall apply. In this regard the decision of Engineer-in-Charge shall be final.
3. All materials, T & P, consumable and contingent articles required for the work shall be arranged by the contractor. Materials used shall be in preference as per the nomenclature of the item / as per approved list / CPWD Specifications and as per directions of Engineer-in-Charge. Replaced materials used shall have same or richer specifications to the original materials and compatible to the work. If any of the accessories available in the market is not ISI marked then decision of engineer in charge is final and will be binding to the contractor.
4. All the malba /rubbish /silt /waste / garden waste etc. generated due to any operation / execution of the work shall be brought down through the stair case and shall not be thrown to the ground directly from the upper floors etc. Malba rubbish generated due to any operation from Bungalows/ quarters / premises and its open spaces whatsoever shall be disposed off by the Contractor to the specified dumping point on daily basis else a recovery of Rs. 100/- per Bungalows/ quarters / premises per day shall be made from contractor. The dumping point should be properly barricaded at all the time and should not give ugly look. This malba / rubbish shall further be disposed to the authorized municipal dhalao / dumping ground as and when the quantity becomes 4.5 cum or one truck and as per direction of Engineer-in-charge. The Malba/rubbish kept inside the dumping point should be covered with sheet or any other suitable material to avoid dust pollution. In case of malba / rubbish does not get removed from dumping point, a recovery of Rs. 1000/- (rupees One thousand) per day shall be made from the contractor after issuing notice in writing by the Engineer in charge of work. If the malba is not removed within three days of notice, the same shall be got removed by the department at the risk and cost of the Contractor and the amount shall be recovered from the bill of Contractor. This is in addition to the recovery of Rs. 1000/- per day for delay in removal of malba
5. The contractor or his representative shall be available at site on every visit of officer-in-charge as well as visit of senior officers.
6. Chases, holes & drilling works etc. shall be done by using power operated tools.
7. The contractor shall have to carry out the work other than day to day maintenance according to program given by the Executive Engineer / Assistant Engineer / Junior Engineer-in-charge. The contractor shall not carry out any work in any building without permission of Engineer-in-charge or his authorized representatives. The contractor shall have to adhere to this program failing which he shall be wholly responsible for any inconvenience caused to the occupants. No claim for idle labour on any account shall be entertained. The contractor shall depute his representative daily to the site of work. His name and Signature shall be attested by the contractor for record in the department.
8. The Bungalows / quarters / flats and its portions where the work to be executed on any day shall be got approved from the representative of the Engineer-in-charge at the site of work. No work shall be carried out in any quarters / flats without the approval of the representative of the Engineer-in-charge. If any work carried out without the approval, the same shall be rejected and shall not be measured for payments.
9. The site for the collection and stacking of the material shall be got approved from the Engineer-in-charge.
10. The sample of all the items shall have to be got approved by the contractor from the Engineer-in-charge before the supply commences and shall be without prejudice to the right of the Engineer-in-Charge to get random samples tested out of the actual lot received.
11. 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.
12. Rejected materials will have to be removed by the contractor at his own cost immediately of the instructions of doing so.
 13. 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.
 14. Other agencies may also be simultaneously executing some other work entrusted to them by the Engineer-in-charge and the Contractor shall offer necessary co-operation wherever required to these agencies so as not to interfere with or hinder the progress or completion of the work being performed by other Contractor (s). He shall as far as possibly arrange his work and shall place and dispose off the materials being used or removed, so as not to interfere with the operations of other Contractors, or he shall arrange his work with that of the others in an acceptable and coordinated manner and shall perform it in proper sequence to the complete satisfaction of Engineer-in-charge.
 15. Contractor shall ensure the cleanness and watch & ward of the premises / vacant bungalows / quarter / garages etc. till further occupation of the same.
 16. All taxes applicable at prevalent rates shall have to be paid by the contractor himself and the rates quoted by him shall include these taxes and nothing extra on this account shall be payable.
 17. The rates for different items of work shall apply for all heights and depths, leads and lifts unless otherwise specified in the agreement or specifications applicable to the agreement.
 18. Any damage done by the contractor to any existing work during the course of execution of the work shall be made good by him at his own cost.
 19. Articles manufactured by the reputed firms and approved by Engineer-in-Charge shall only be used. Only articles classified, as 'first quality' by the manufacturer shall be used unless otherwise specified. In case articles bearing ISI certification are not available in the market, quality of samples brought by the contractor shall be judged by standards laid down in the relevant CPWD specifications. For the items not covered by CPWD specifications relevant BIS standards shall apply. The sample of materials to be brought to site for use in work shall be got approved from the Engineer-in-Charge before actual execution of work.
 20. The contractor shall submit a detailed program of work within 15 days of the date of award of work. The Engineer-in-Charge can modify the program and the contractor shall have to work accordingly.
 21. The quantities of any item shall not be exceeded beyond the agreement quantities without prior permission of Engineer-in-Charge.
 22. Statutory recoveries such as on account of GST, Income tax, Surcharge, Construction Worker's Welfare Cess etc. as applicable from time to time shall be made from the gross amount of Running A/c Bill and Final Bill of the contractor.
 23. The contractor shall make his own arrangements for obtaining electric connection, if required and make necessary payments directly to the department concerned. In the absence of electric connection or failure of power supply, the Contractor shall make his own arrangement of silent type generators as per NGT Guidelines.
 24. The contractor shall make his own arrangement for getting the permission for entry of trucks carrying materials for the site from the traffic police.
 25. No payment shall be made to the contractor for any damage caused by rain, snow fall, floods or any other natural causes whatsoever during the execution of work. The damage caused to work shall have to be made good by the contractor at his own cost and no claim on this account shall be entertained.
 26. The contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards / signages, warning boards, red flags, red lights and providing necessary barriers / barricading of the construction area and all other measures required from time to time, **nothing extra shall be paid to agency on this account.** He shall be responsible for all damages and accidents caused due to negligence on his part. No hindrance shall be caused to traffic during the execution of the work by storing materials on the road.
 27. The contractor shall be fully responsible for the safe custody of the material issued or brought by him to site for doing the work.
 28. If due to exigency of work, the work is required to be carried out in more than one shift or during night then Contractor will be bound to execute the work accordingly and arrange the T & P and labour etc. No extra claim on this account shall be entertained.

29. The rate for all items of work shall, unless otherwise clearly specified, include cost of all labour, material and other inputs involved in the execution of the items.
30. In case of any discrepancy found in NIT / tender documents, the order of preference may be read as the following.
- a) Description of Schedule of quantities
 - b) Particular Specifications, Additional Conditions and Special Conditions, if any.
 - c) Architectural Drawings
 - d) CPWD Specifications with up to date correction slips.
 - e) Indian Standard Specifications / BIS
 - f) Sound engineering practice.
31. 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.
32. The contractor will not have any claim in case of any delay by the Engineer-in-Charge in removal of trees or shifting, removing of telegraph, telephone or electric lines (overhead or underground), water and sewer lines and other structure etc., if any which may come in the way of the work. However, suitable extension of time can be granted to cover such delay.
33. The contractor shall clean the site thoroughly of scaffolding materials, rubbish, equipments left out of his work and dress the site around the building to the complete satisfaction of the Engineer-in-charge before the work is treated as completed.
34. No residential accommodation shall be provided to any of the staff engaged by the contractor. The contractor shall also not be allowed to erect any permanent / temporary set up for his staff in the premises.
35. Contractor has to provide drinking water facility in each enquiry office by providing necessary filter (RO) with water cooler for CPWD staff and his staff. Watch & Ward of Enquiry office shall be the responsibility of the contractor.
36. The contractor shall comply with proper and legal orders and directions of the local or public authority or Municipality and abide by their rules and regulations and pay all fees and charges which he may be liable.
37. The Contractor shall give due notices to Municipality, Police and/ or other authorities that may be required under the law/ rules under force and obtain all requisite licenses for temporary obstructions/ enclosures and pay all charges which may be leviable on account of his execution of the work under the agreement. Nothing extra shall be payable on this account.
38. The work shall be carried out in a manner complying in all respects with the requirements of relevant bye laws of the local bodies, labour laws, minimum wages act, workmen compensation act and other statutory laws enacted by Central Govt. as well as State Govt.
39. The Contractor shall depute required Technical Staff each for civil and electrical works as per Clause 32 of Schedule F who shall remain present at CPWD Service Center during the time and days as provided in Schedule of Quantity. The agency shall submit the credential of proposed staff & shall be taken on roll only after approval of Engineer-in-charge. The attendance shall be accepted through Biometric Attendance System only.
40. The contractor shall provide necessary barriers, warning signals and other safety measures while executing the work or wherever necessary so as to avoid accidents. He shall also indemnify CPWD against claims for compensation arising out of negligence in this respect. Contractor shall be liable, in accordance with the Indian law and Regulations for any accidents occurring due to any cause. The contractor shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the contractor due to the above provisions thereof.
41. Any damage caused due to negligence of contractor during the routine maintenance shall be of firm's responsibility. The firm has to make good the same at his own risk and cost.
42. The Contractor shall submit measurement of work section wise to each Junior Engineer (Civil/Electrical). However, the measurement shall be compiled by the Nodal Assistant Engineer (Civil/Electrical) for preparation of running Account Bill.
43. 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.
44. The movement of trucks and vehicles shall be regulated in accordance with rules and regulations as approved by competent authority.
 45. The Contractor shall be bound to follow all such restrictions / instructions and nothing extra shall be payable on this account.
 46. The Contractor is required to prepare and install appropriate number of Display Boards at suitable locations in the colony / office and also at the Service Centre, to apprise the Residents about the details of Contractor, Supervisor, Executive Engineer, Assistant Engineer and Junior Engineer etc.
 47. The Contractor shall not stack building material / malba on NDMC land or road or on the land owned by any other authority and in case of failure to do so, 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.
 48. In order to adhere to the Committed Program and requirement of allottees, the work shall be carried out in more than one shift and Contractor will deploy the resources accordingly. No extra claim on this account shall be entertained. Contractor should give advance notice in writing to Engineer-in-charge for doing any work in odd hours and arrange permission accordingly. Contractor shall arrange for transportation of CPWD site staff to their residences, in case the site staff is required to stay beyond office hours or during odd hours.
 49. The contractor or his representative is bound to sign the site order book as and when required by the Engineer-in-Charge and to comply with the remarks therein.
 50. It shall be the responsibility of the agency to transport all the items required for comprehensive maintenance from store and to carry dismantled material from site to store and nothing extra shall be paid on this account.
 51. The contractor shall take all necessary precautions to prevent any nuisance or inconvenience to the owners, tenants of adjacent properties and to the public in general and to prevent any damage to such properties and any pollution of smoke, streams and waterways. He shall make good at his cost and to the satisfaction of the Engineer-in-Charge, any damage to roads, paths, cross drainage works or public or private property whatsoever caused by the execution of the work or by traffic brought thereon by the contractor. Utmost care shall be taken to keep the noise level to the barest minimum so that no disturbance as far as possible is caused to the occupants / users of adjoining buildings.
 52. The agency has to ensure the safety and protection of all the existing fittings, floorings, fixtures and all other building parts during execution of work, **nothing extra shall be paid to agency on this account.**
 53. No special repairs and addition/ alteration work shall be carried out in any quarters/flats without the approval of the representative of the Engineer-in-charge. Any work carried out without approval of the representative of the Engineer-in-charge at the site, the work shall be rejected and shall not be measured and paid for.
 54. Agency shall provide composite supervision which will monitor all civil and electrical complaints and ensure that they are attended timely to the entire satisfaction of respective Engineer-in-charge. Nothing extra on this account will be paid.
 55. Agency has to submit measurement of work executed during each month, atleast once in a month, failing which a recovery of **Rupees Fifty Thousand per month** shall be made from the next Running account / final bill.
 56. **Pollution Control Guidelines**
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 and any other guide lines issued till date or during the execution of work, in compliance of Hon'ble National Green Tribunal directions, are applicable to the contractor. All appropriate protective measures as per NGT & DPCC guidelines / directions shall be taken by the contractor and nothing extra shall be payable on this account.

57. The contractor shall have to work in pandemic / epidemic conditions such as COVID 19 for which he has to make safety arrangement / measures for the workers / staff and for the premises meant for them, as per guidelines issued by Government and directions issued by Engineer-in-charge from time to time and nothing extra shall be paid on this account.

58. The dismantled material received from the work shall be the property of contractor for which the credit shall be paid on following rates –

S. No.	Items / Materials	Rate (in Rs.)
(a)	Cast Iron / Steel Scrap	27.30 per kg.
(b)	CP Fittings	560.75 per kg.
(c)	Aluminium Sections, grills, sheets etc.	112.55 per kg.
(d)	Wooden doors & windows	
(i)	Of area upto 3 sqmt.	1000/- each
(ii)	Of area beyond 3 sqmt.	1500/- each
(e)	Interlocking Paver Block	50/- sqm

59. The contractor shall submit the tax paid invoice of the material consumed in the work alongwith R/A bills and final bill or on demand of Engineer-in Charge.

SPECIAL CONDITIONS FOR CIVIL WORKS

1. 1% (One percent) Water charges shall be recovered from the gross amount of the work done, if water is used from CPWD / client's source.
2. Full quantity or quantity as decided by Engineer-in- Charge of the materials such as paint, Acrylic emulsion paint, Acrylic distemper etc. shall be deposited in sealed containers in advance before use. Packing size shall be decided by Engineer-in-charge.
3. The contractor shall have to get approved the brands / shades of Acrylic Distemper, Synthetic Enamel Paint, Acrylic Emulsion Paint, Exterior Paint etc. from the Engineer-in-Charge and also shall be got checked by the Engineer-in-charge or his authorized representative on receipt of it at site before execution of same.
4. The materials required for day's work shall be issued to contractor or his authorized representative daily by the JE / AE -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 JE / AE. 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.
5. Before the commencement of work, the contractor shall prepare one sample as instructed by 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.
6. In case the Bungalows / quarters 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.
7. 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.
8. Scrapping shall be shown to the Assistant Engineer and got approved and test checked by him prior to painting or other finishing work.
9. 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 clauses of 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.
10. All doors, windows, floors, furniture, electrical fittings and other articles shall be protected from dust, splashes & damage Splashes & droppings from white washing, colour washing, distemping 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.
11. The Contractor shall comply with the provisions of 'Construction and Demolition Waste Management Rules, 2016' as notified by the Ministry of Environment and Forest vide notification dated 29.03.2016 (available at web address www.moef.gov.in).
12. **For some of the specific nature of work such as waterproofing work etc. contractors who associate specialized agencies / specialized firm executing the work give a specific guarantee that they are responsible for removal of any defects cropping up in these works executed by them during the guarantee period.**
 - a) **The form of the guarantee to be executed by the contractors is given as per annexure attached.**
 - b) **10% of the amount pertaining to waterproofing work deducted as security from the bills of the contractors will be refunded after expiry of guarantee period in accordance with the terms of the contract in this behalf.**
13. During execution of work, water supply, installations / fittings & sanitary, installation / fittings, will be dismantled / demolished for which nothing extra shall be paid except the items already exist in the schedule of quantities (civil) attached.
14. 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 paid on this account.

15. If in the description / nomenclature of item the thickness of board / ply is mentioned 18mm thick and manufacturer does not provide / manufacture 18mm thick board / ply then 19mm thick board / ply can be used there, for that nothing extra shall be paid on this account, vice versa.
16. Agency should take extra precaution for protection of existing wall, fittings, fixtures etc. Nothing extra shall be paid on this account.

CONDITIONS FOR CEMENT & STEEL

1. Cement

- 1.1 The contractor shall procure 43 grade (conforming to IS 8112) Ordinary Portland cement/PPC as required in the work, from reputed manufacturers of cement, having a production capacity of one million tones 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.
- 1.2 The quantity of cement shall be brought at site as decided by the Engineer in Charge.
- 1.3 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.
- 1.4 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.
- 1.5 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.
- 1.6 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.
- 1.7 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.

2. Steel for Reinforcement:

- 2.1 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 licence for TMT bars conforming to relevant BIS code, procurement shall be made from main producers and secondary producers having valid BIS licence. 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.
- 2.2 The quantity of steel shall be brought at site as decided by the Engineer in Charge.
- 2.3 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.

- 2.4 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 over 100 tonnes
Under 10 mm dia	one sample for each 25 tonnes or part thereof	one sample for each 40 MT or part thereof
10 mm to 16 mm	one sample for each 35 tonnes or part thereof	one sample for each 40MT or part thereof
Over 16 mm dia	one sample for each 45 tonnes or part thereof.	one sample for each 50 MT Or part thereof

- 2.5 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.
- 2.6 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.
- 2.7 Steel brought to site and steel remaining unused shall not be removed from site without the written permission of the Engineer in Charge.
- 2.8 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.
- 2.9 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.

Minimum Quality Assurance Plan

1. Maintenance of Register of Tests

- (i) The details of all Tests carried out at construction/ maintenance site or at outside Laboratories shall be maintained by the contractor in the Test Register 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 /AE 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 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 (MAS) Register along with each alternate Running Account Bill and Final Bill shall be mandatory. These registers should be duly checked by AE 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.

2. 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.
- (iii) 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.
- (iv) Cement Register shall be reviewed by EE atleast once in a month.
- (v) MAS register of the key materials including Cement, Steel Bitumen, Paint, Primer, Distemper, Varnishes, Tile Adhesive, Admixture, Anti termite chemical Water proofing compound material and other items as required by Engineer-in-Charge, and shall be maintained as per proforma in Appendix-XX of GCC. All the entries in the MAS registers are made by the designated staff of the contractor and same is reviewed weekly by the authorized representative and fortnightly by the Engineer-in-Charge. However, contractor is responsible for maintenance and safe custody of MAS registers.
- (vi) The self-attested copies of tax paid bill of all the materials entered in the MAS register shall be submitted by the contractor at the time of review by representative of Engineer-in- Charge. In case of any doubt, genuineness of the tax paid bills; it can be verified by the representative of the Engineer-in-Charge or the Engineer-in-Charge, however, onus of genuineness of tax paid bills rest with the contractor.

3. Testing of Material at Site or in lab-

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.

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/01

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Dated: 10.11.2023

Nirman Bhawan, New Delhi

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

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

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

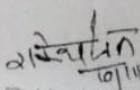
This is issued with the approval of DG CPWD.


10.11.2023
(वी. पी. साहू)

अधीक्षण अभियंता (सी.एंड एम.)

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

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


10.11.2023
R.K. JAIN
(EE (Contact))

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/ SOP-2022/31

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

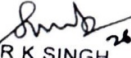
NIRMAN BHAWAN, NEW DELHI

Dated: 26.04.2024

Sub: Addition of new SOP No. 12/1 for CPWD Works Manual 2022.

New SOP No. 12/1 is added for CPWD Works Manual 2022:

Existing Provision	Modified Provision
Chapter 12 Contract Management	Chapter 12 Contract Management
SOP No. 12/1	SOP No. 12/1
No Provision	Requisition of work i.e. Upgradation, Addition/ Alteration and Major Repair / Renovation
	To take up the above works, the following procedures shall be followed:
	i) The allottee will give the list of demanded works in Requisition Form-I (Annexed with SOP No. -12/1). The duly signed Requisition Form-I shall either be uploaded on E-Sewa Portal or handed over to concern JE/AE.
	ii) On receipt of requisition from allottee, JE/AE shall visit the site, deliberate with allottee to finalize the demand and prepare the Final List of works to be taken up in Requisition Form-II. The same shall be approved by AE for type-I, II & III quarters and by EE for type-IV and above quarters. After executing works, mentioned in Form-II, the field staff (JE/AE) shall ensure to make a house fully habitable and clean.
	iii) If allottee does not submit Requisition Form-I or in case of vacant quarters, the JE/AE will prepare the list of works to be executed and fill the Form-II.
	iv) While finalizing the works to be taken up, the JE/AE & EE will see the availability of budget, technical feasibility, contractual provisions, relevant circulars and maintenance manual etc.
	v) For modification in requisition or additional demand, the same procedure as mentioned above shall be followed.
	vi) The Requisition Form-II duly signed by all concerned shall be uploaded on ERP / E-Sewa Module by EE or AE.


R K SINGH
EE(Manual)

1
3

	vii) The allottee shall be permitted to upload the Requisition Form-I upto 03 days since date of technical possession. The CPWD shall finalize the works as per requisition Form-II mentioned above within 07 days since date of technical possession or receipt of Form-I. viii) The finalised works to be executed shall be conveyed to contractor through site order book by JE/AE. ix) After the execution of the requisitioned work, the photographs of completed work shall be uploaded on the ERP. x) At the time of verification, the JE, AE and EE will see that the measurements are broadly in consonance with requisition.
--	--

Requisition Form-I

(From Allottee)

1. Name of Service Centre
2. Address
 - i) Bungalow/Flat No.
 - ii) Locality /Colony Name
 - iii) City
3. Date of allotment
4. Date of Technical possession
5. Date of Physical possession
6. Nature of work/requisition:

Sl. No.	Nature of Work (Civil/Electrical)	Location(s) in the Bungalow/Flat, where work is to be executed
1.		
2.		
3.		
4.		
5.		

Name of allottee

Signature

Dated:

R K SINGH
R K SINGH
EE(Manual)

2
3

Dated:

Requisition Form-II
(Prepared by CPWD for agreed items after deliberation with Allottee or in Case of Vacant Quarters)

1. Name of Service Centre
2. Address
i) Bungalow/Flat No.
ii) Locality /Colony Name
iii) City
3. Agreement No.
4. Nature of work/requisition:

Sl. No.	Nature of Work (Civil/Electrical)	Location(s) in the Bungalow/Flat, where work is to be executed
1.		
2.		
3.		
4.		
5.		

5. Photographs:

Name and Signature of
Junior Engineer (Civil/Electrical)

Name and Signature of
Assistant Engineer (Civil/Electrical)

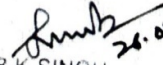
Name and Signature of
Executive Engineer(Civil/Electrical)

This issues with the approval of DG CPWD.


26.04.2024
(वी. पी. साहू)
अधीक्षण अभियंता (सी.एंड एम.)

Issued from file No. CSQ/CM/16(1)/2024 e-file- 9173997

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


26.04.24
R K SINGH
EE(Manual)

3
3

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/ Manual-2022/19

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI

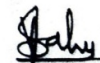
Dated: 26.04.2024

Sub: Modifications in Para 12 for CPWD Works Manual 2022.

Following modifications are made in para 12 for CPWD Works Manual 2022:

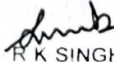
Existing Provision	Modified Provision
CHAPTER 12 CONTRACT MANAGEMENT	CHAPTER 12 CONTRACT MANAGEMENT
12.2 No Provision	12.2 Requisition of work i.e. Upgradation, Addition/ Alteration and Major Repair / Renovation. i) To take up the work of Upgradation, Addition/Alteration and Major Repair / Renovation, the process of requisition and execution shall be followed as per SOP No. 12/1. ii) After vacation of quarter, the photographs with geo-tagging of all the rooms, toilets, kitchen etc; showing the present condition, shall be taken and uploaded on E-Sewa/ERP by JE/AE.
12.3 No Provision	12.3 Review of Requisitions by Higher Offices i) A team comprising EE(P) / AE(P) from CE/SE office and minimum 01 AE from other Division under jurisdiction of CE/SE shall inspect the sub-division atleast once in 03 months to inspect the records mentioned in SOP No. 12/1 including any other records related to works and will submit report to the CE/SE. ii) The team can take the feedback from the allottee, if required.

This issues with the approval of DG CPWD.


26.04.2024
(वी. पी. साहू)
अधीक्षण अभियंता (सी.एंड एम.)

Issued from file No. CSQ/CM/16(1)/2024 e-file- 9173997

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


26.04.24
R K SINGH
EE(Manual)

No. DG/SOP-2024/18

Nirman Bhawan, New Delhi

Dated: 05.05.2025

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

R K SINGH
EE(Manual)

~~Amc~~
SE/C&M

 $\frac{1}{2}$

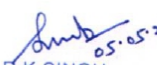
(i) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within 7 days after last date of submission of bids, letter of acceptance for the work is issued or not. (ii) If any tenderer withdraws his tender or makes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

This is issued with the approval of DG CPWD.


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

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

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


 R K SINGH
 EE(Manual)



LIST OF PREFERRED MAKES

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

Sl. No.	Materials	Approved make
1	Ceramic Glazed / Rectified Ceramic Glazed / Vitrified Floor / Wall Tiles	Johnson / Somany / Kajaria / Nitco / Orientbell / AGL / Oasis / Varmora
2	Chequered CC Tiles	Nitco / KK / Unistone / Dalal / Advent / ABC / Krishna / Kirti Spun Pipes
3 (a)	Bathroom CP Fittings (For Bungalow except Servant Quarters / Type-I & II Qtrs.)	Jaquar / Johnson / Marc / Cera / Kohler
(b)	Bathroom CP Fittings (For Servant Quarters / Type-I & II Qtrs.)	Prayag Polymers or equivalent
4	Sanitary Wares	Hindware / Kohler / Johnson / Cera / Parryware / Jaquar
5 (a)	Kitchen Sink (Stainless Steel) (For Bungalow except Servant Quarters / Type-I & II Qtrs.)	Neelkanth / Jayna / Anupam / Nirali / Cera
(b)	Kitchen Sink (Stainless Steel) (For Bungalow) (For Servant Quarters / Type-I & II Qtrs.)	Prayag Polymers or equivalent
6	PVC Tank (ISI Marked)	Sintex / Storex / Unitank / Sheetal / SPL
7	PVC Cistern	Commander / Duralite / Hindware / Coral / SteelBird
8	Precast Cement Concrete Slab	Nitco / KK / Konkrete Products Co. / Dalal / Kirti Spun Pipes
9	G.I. Sheet	SAIL / Tata Shakti / Jindal / Swastik
10	G.I. Pipe (ISI Marked)	Jindal Hissar / Tata / Prakash Surya / Zenith
11	G.I. Fittings (ISI Marked)	Unik / UK / Surya / Prakash
12	Structural steel Sections C, I, Tee, Angle, Flats, Bars etc. (ISI Marked)	TISCO / Jindal / SAIL / RINL
13	TMT bars (ISI Marked)	TATA / RINL / SAIL / TISCO / JSW / JSPL
14	Steel tubes hot finished welded Type	BST / Jindal / Ravindra / Surya
15	Block Board, Ply Wood, MDF Board	Century / Duro / Greenply / Merino / Action Tesa Bhutan tuff / Archid Ply /
16	Lamination Sheet / Veneer	Century / Duro / Merino / Greenlam / Bhutan tuff / Archid Ply /
17	Flush Doors	Century / Greenply / Action Tesa / Sumai (Spacewood) / Orion / Duro / Jayna Doors of Jain wood Industries / Jain Doors Pvt. Ltd. / Bhutan tuff / Archid Ply /
18	Factory made chamfered edge CC Interlocking paver Block, Kerb Stone	NITCO / KK / Konkrete / Terra Firma / Dalal / Advent / Kirti Spun Pipes
19	Precast R.C.C. manhole & gully trap covers, frames and gratings	KK / Konkrete / Pragati
20	Fibre Glass sheet and Chajjas	Rooffit of Shiv Shakti Fiber Udhog / Fibreways Technology / Simba
21	Acrylic washable Distemper	Berger / Nerolac / ICI / Asian / Acro
22	Acrylic Emulsion Paint / Premium Acrylic Emulsion Interior paint	Berger / Nerolac / ICI / Asian / Acro
23	Premium acrylic emulsion / Acrylic Emulsion Exterior Paint	Berger / Nerolac / ICI / Asian / Acro
24	Primer	Berger / Nerolac / ICI / Asian / Acro
25	Synthetic Enamel Paint	Berger / Nerolac / ICI / Asian / Acro
26	P.O.P.	J.K. / Laxmi / Birla / Asian Paint / Sakarni
27	Decorative Paints	Oikos / SKK / Armourcoat / Ultratech / Acro

28	Modular kitchen Accessories	Stallion / Sparkle Top / Hettich / Godrej / Hafele / Dorset / Blum / Kich / Hardueyn
29	Brass Door / Window Fittings	Sigma / Bush / Dorset / Hettich / Dorma / Hardueyn
30	Dash Fastner	Hilti / Fisher / Canon / Wuerth
31	Hydraulic Door Closer	Hardwyn / Godrej / Dorma / Dorset / Hafele
32	Lock & Latches	Godrej / Dorset / Hafele / Geze / Dorma / Hardueyn
33	White Cement based Putty	Birla Wall Care / J.K. Wall Care / Berger
34	Aluminum Sections	Jindal / Hindalco / Indalco / Indo-Alusys
35	Centrifugally Cast Iron Pipe & Fittings	Neco / Truform / Techno Sales Corporations / BIC / RPMF / SKF
36	Tempered Glass / Glass Pan	Modi Float / Saint Gobain / Asahi / Atul
37	Bevelled Edge Mirror	Atul / Saint Gobain / Modi Guard / Golden Fish
38	PTMT Fittings	Prayag / Wilson / Polytuf
39	Polymer Modified Cementitious Grout	Bal Endura / Laticrete / Ferrous Crete / Makphalt
40	Non Shrink Cementous Grout	Xypex / Fosroc / Krytone / Ferocrete / Makphalt
41	AC Pipes (Mazza)	A Infrastructure Ltd. / Apurva Vinimay Pvt. Ltd. / Kanoria Sugar Gen. Mfg. Co. Ltd.
42	Cement Board	Bison / Everest / Shalimar / NCL
43	Aluminium Composite Panels	Aludecore / Alstone / Alstrong / Alucobond / Aluco Pan / Virgo / Alutech
44	Wood Polish	Asian Paints / Pidlite Industries / ICI Dulux / Wembley
45	Gypsum Board	St. Gobain / Gyproc Gypsum / Boral / Everest / Gyptech
46	Calcium Silicate False Ceiling System Along with supportings	Aerolite / Everest / NCL / Hilux / GYPTECH
47	All hardware and fittings other than brass for doors, windows etc.	Dorma / Hafele / Geze / Ozone / Kich / Hettich / Dorset / Hardwyn
48	Adhesive / Epoxy Grout for Floor Tiles, Marble Stone, Granite Stone etc.	Ferrous Crete / Ardex Endure (Goldstar) / Pidlite (FevimateXI) / MYK Laticrete / Weber / CICO
49	Water proofing compounds	Grace / Fosroc / BASF / Pidilite / CICO / SIKA / MC Bauchemie / STP Ltd. / Makphalt
50	FRP Doors & Frames	Ashoo Model Arts, Selected Product Co., FiberwaysTachnology and Jayna Doors of Jain wood Industries, Jain Doors Pvt. Ltd.
51	Laminated flooring	Action Tesa / Vista / Pergo / Parador
52	Stainless Steel Railing	Kich / Dorma / Q Railing / Fitwell
53	Cement (OPC / PPC)	ACC / JK Cement / Ultratech / Shree Cement
54	Engineered wooden flooring	Mikasa (Greenlam Industries Ltd.), / Pergo / Parador / Woodart
55	Drapery Rod	Vista / MAC / Magnum
56	PVC Pipe / CPVC Pipe	Supreme / Astral / Ashirvad / Prakash / Finolex
57	Foam / Cushion	Sleepwell / Kurl-on / MM Foam
58	Fabric / Cloth for Sofa	Eden / Kundan / Bealene / GM / Velvolene and Nimoco
59	Fabric / Cloth for Curtain	G.M. Fabric / Neptune Furnishing India Pvt. Ltd. / Shri Radhika Furnishing / Jai Mahavir Textile Pvt. Ltd. / New Castle / Mahavir Loomtex Pvt. Ltd. / Bombay Dyeing
60	GRG false ceiling	Diamond ceilings / Gyproc (Saint Gobain) / USG Boral / Gyptech

61	UPVC Profiles	Saint Gobain / Koemmerling / Encraft / NCL VEKA / DUROPLAST / LG-HAUSYS / ALUPLAST / FENESTA / PABROS
62	UPVC Door / Windows Hardware	HIVIK / GU / HOPPE / YALE
63	Acoustical Wall Panelling	Arm strong / Gyptech / Hunter Douglas

Note:-

1. Contractor shall submit samples of 03 different brands and designs as per preferred make list. Engineer-in-charge or accepting authority will approve one of the sample and the contractor shall use the approved sample make for execution.
2. If the brand or specifications of any item is not available, then the decision of the Engineer in charge or accepting authority regarding quality shall be final & binding on the agency. Nothing extra shall be payable on this account.
3. No material shall be used without the prior approval of Engineer in charge.
4. The weight and thickness of the material should be as per CPWD Specification / relevant IS code / manufacturer specification.
5. The make of any material approved by ADG (Delhi) /CE, NDZ-1 upto last date of submission of tender shall be part of above mentioned list of approved make of materials.

Schedule of Quantity					
N/W:	Upgradation of work in various GOB's Class ABC bungalows & Srt Qtr under 1-I Sub - Division during 2026-27 (SH: Construction of Kattappa Stone pathway, red sand stone floor work, false ceiling work, renovation of Out side Kitchen in Bungalow No. 7 Tughlak Lane and miscellaneous civil work in other GoB bungalows).				
S.No	Description	Qty.	Unit	Rate	Amount
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, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
a	All kinds of soil.	3.00	cum	260.30	781.00
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
a	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)	2.00	cum	7878.50	15757.00
b	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)	18.00	cum	6518.60	117335.00
3	Providing precast cement concrete Jali 1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 6mm 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.				
a	40 mm thck	35.00	sqm	1706.55	59729.00
4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
a	Cement mortar 1:6 (1 cement : 6 coarse sand)	7.00	cum	7132.25	49926.00
5	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 to edges to give high gloss finish etc. complete at all levels.				
a	Granite stone slab colour black / Cherry/Ruby red /any colour				
i	Area of slab over 0.50 sqm	12.00	Sqm	5136.30	61636.00

6	Stone work (machine cut edges) for wall lining etc. (veneer work) upto 10 metre height, backing filled with a grout of average 12 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing and the sides by means of cramps and pins which shall be paid for separately) :				
a	Red sand stone - Exposed face machine cut and table rubbed with rough backing.				
a.1	30 mm thick	25.00	sqm	7515.80	187895.00
7	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	20.00	sqm	1267.95	25359.00
8	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).				
a	Second class teak wood	0.30	cum	142949.70	42885.00
9	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)				
a	Second class teak wood				
i	35 mm thick shutters	15.00	sqm	4111.95	61679.00
10	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.				
a	Second class teak wood	8.00	sqm	3323.20	26586.00
b	Float glass panes				
b.1	4 mm thick glass pane (weight not less than 10 kg/sqm).	8.00	sqm	2241.80	17934.00
c	Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4mm wide aperture with matching wood beading	8.00	sqm	1800.45	14404.00
11	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:				

a	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	15.00	sqm	2392.65	35890.00
12	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :				
(a)	250x10 mm	8.00	Nos.	441.60	3533.00
(b)	150x10 mm	8.00	Nos.	287.25	2298.00
13	Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers of approved quality including necessary screws etc. complete.				
(a)	40 mm	4.00	Nos.	311.20	1245.00
14	Providing and fixing bright finished brass handles with screws etc. complete:				
(a)	125 mm	8.00	Nos.	256.65	2053.00
(b)	100 mm	8.00	Nos.	234.70	1878.00
15	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	6.00	each	1124.85	6749.00
16	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.				
a	1.0 mm thick	100.00	Sqm	897.30	89730.00
17	Providing and fixing stainless steel soft closing heavy type telescopic drawer channels of approved make 500 mm long with screws etc. complete as per directions of Engineer- in-charge.	4.00	One Set	885.10	3540.00
18	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.				
a	Hot finished welded type tubes.	600.00	kg	194.40	116640.00
19	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.				
a	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	600.00	kg	172.60	103560.00
20	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) :				
a	25 mm thick.	30.00	sqm	1948.25	58448.00

21	Providing and laying Ceramic glazed floor tiles of size 300x300 mm(thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement :4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigment etc.,, complete.	15.00	sqm	1096.55	16448.00
22	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.				
a	Glazed Vitrified tiles Matt/Antiskid finish of size				
i	Size of Tile 600 x 600 mm	40.00	sqm	1464.85	58594.00
23	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 :				
a	In 75x75 mm deep chase	300.00	mtr	305.15	91545.00
24	Providing and fixing precoated galvanised 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.	25.00	sqm	738.65	18466.00

25	Providing and fixing multi walled transparent /opaque 10 mm thick polycarbonate sheet of required colour blue, brown or green etc. UV co-extruded and having UV coating on one side multi walled sheet of weight not less than 1.60 to 2.05kg/sqm as approved by Engineer-in-charge. The light transmission from transparent or translucent or opaque polycarbonate sheet varies from 30 to 80% and shall be decided by engineer in charge as per requirement. The panel shall satisfy the Dart drop impact test for value above 15 and upto 60 Joules and confirm either flame retardancy of class UL-94HB/94V-0 category as per IS 14434:2023 or category V0 & HB as per ASTM D635-18 or BS1D0 classification as per EN13501 for fire safety. The yellowness index tested as per ASTM E313 (D1925) shall be less than or equal to 2 or it shall be 1 units as per ASTM D 2244 at the time of installation and shall be less than or equal to 10 as per ASTM E313 (D 1925) or 6 units as per ASTM D 2244 on a sample after 5000 Hours of exposure of UV / sun light. The multi walled poly carbonate sheet shall be fixed on tubular steel structure with aluminium Alcox section of size 60x 18x2 mm (anodized 25 micron thick) and weight not less than 0.462 kg/metre. Weather proof Neoprene / EPDM rubber gasket shall be fixed on both side of joints to make the whole structure water tight as per approved design/drawings. The aluminium section shall be fixed on Joints at both sides (top & bottom) of polycarbonate sheet to hold the sheets rigidly together. The weather proof neoprene gasket and aluminium profile shall be fixed and sealed with silicon sealant to make the Joints fully water proof. The open overhead ends of polycarbonate sheet to be sealed with anodised aluminium U Profile/ channel of size 10x10x 1.5 mm thick of weight not less than 0.2kg/m. The polycarbonate sheet and aluminium profile shall be fixed to MS Framed Structure with self-taping and self-drilling 55mm long steel screws to be fixed @ 300mm centre to centre. The rate shall be inclusive of cost of all material involved such as polycarbonate sheet, aluminium profile and aluminium channel, EPDM gasket, Self-taping screws, nut bolts, Silicon sealant or any other material required for fixing the sheet but excluding the cost of steel structure which shall be paid separately including hoisting the sheets and fixing in position in required scaffolding shape. The rate shall also include the cost of all T & P scaffolding and safety precautions required during execution of the work. The entire work shall be executed as per required design/drawings and direction of Engineer in-charge, all complete.				
a	10 mm thick and U- value not more than 2.50 W/m ² K	20.00	Sqm	978.00	19560.00

26	Providing & fixing false ceiling at all height including providing & fixing of framework made of special section, power pressed from M.S. sheets and galvanised with zinc coating of 120 gms/ sqm (both side inclusive) as per IS : 277 and consisting of angle cleat of size 25mm wide x 1.6mm thick with flanges of 27mm and 37mm, at 1200mm c/c, one flange fixed to the ceiling with dash fastener 12.5mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25 x10 x0.50mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I chanel 45 x15 x 0.90mm running at the spacing of 1200 mm c/c, to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26 mm each having lips of 10.5mm, at 450mm c/c, shall be fixed in a direction perpendicular to G.I intermediate channel with connecting clip made out of 2.64mm dia x 230mm long G.I wire at every junction, including fixing perimeter channels 0.50mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/ partitions with the help of Rawl plugs at 450mm centre, with 25mm long dry wall screws @ 230mm interval, including fixing of Calcium Silicate Board to ceiling section and perimeter channels with the help of dry wall screws of size 3.5 x25mm at 230mm c/c, including jointing & finishing to a flush finish of tapered and square edges of the board with recommended jointing compounds, jointing tapes,finishing with jointing compounds in three layers covering up to 150mm on both sides of joints and two coats of primer suitable for boards, all as per manufacture's specification and also including the cost of making opening for light fittings, grills, diffusers, cut outs made with frame of perimeter channels suitably fixed, all complete as per drawings, specifacaton and direction of the Engineer in charge but excluding the cost of painting with:				
a	8 mm thick Calcium Silicate Board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process.	20.00	sqm	1572.30	31446.00
27	12 mm cement plaster of mix :				
a	1:6 (1 cement: 6 coarse sand)	200.00	sqm	343.65	68730.00
28	15 mm cement plaster on rough side of single or half brick wall of mix :				
a	1:6 (1 cement: 6 coarse sand)	150.00	sqm	395.35	59303.00
29	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	150.00	Sqm	262.70	39405.00
30	Finishing walls with acrylic smooth exterior paint of required shade:				
(a)	New work (Two or more coats applied @ 1.67 litre/ 10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm.	450.00	Sqm	160.60	72270.00
31	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
a	Two or more coats on new work	534.00	Sqm	155.90	83251.00

32	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.	450.00	Sqm	156.05	70223.00
33	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre. of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
(a)	Two coats.	200.00	Sqm	142.80	28560.00
34	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.	250.00	Sqm	25.15	6288.00
35	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
(a)	One or more coats on old work.	100.00	Sqm	102.80	10280.00
36	French spirit polishing :				
(a)	One or more coats on old work.	100.00	Sqm	224.80	22480.00
37	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade :				
(a)	Old work (Two or more coats applied @ 1.43 ltr/ 10 sqm) over existing cement paint surface.	200.00	Sqm	131.30	26260.00
38	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.				
a	With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	234.00	sqm	70.35	16462.00
39	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.				
(a)	With cement mortar 1:4 (1 cement : 4 fine sand).	100.00	Sqm	547.40	54740.00
40	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3 mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ litre and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc, and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 650/ 450N/ 5cm. Tear strength in longitudinal and transverse direction as 300/250N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto - 2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane :				

a	3 mm thick	140.00	Sqm	560.95	78533.00
41	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
a	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	5.00	cum	1503.60	7518.00
42	Dismantling steel work manually/ by mechanical means in built up sections without dismembering and stacking within 50 metres lead as per direction of Engineer-in-charge.	200.00	Kg	3.85	770.00
43	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
a	For thickness of tiles 10 mm to 25 mm	10.00	Sqm	73.40	734.00
44	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	200.00	sqm	266.45	53290.00
45	Demolishing thatch roofing including mats, bamboo, jaffari etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	90.00	Sqm	57.70	5193.00
46	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.	150.00	sqm	54.65	8198.00
47	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	25.00	cum	263.95	6599.00
48	Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire weighing 9.38 kg per 100 m (minimum), between the two posts fitted and fixed with G.I. staples, turn buckles etc. complete. (Cost of posts, struts, earth work and concrete work to be paid for separately). Payment to be made per metre cost of total length of barbed wire used.				
a	With G.I. barbed wire	100.00	Mtr.	22.10	2210.00
49	Taking out existing kerb stones of all types from footpath/ central verge, including removal of mortar etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	20.00	Mtr	39.35	787.00
50	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	10.00	Sqm	131.75	1318.00

51	Laying old cement concrete interlocking paver blocks of any design/ shape laid in required line, level, curvature, colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge. (Old CC paver blocks shall be supplied by the department free of cost).	10.00	sqm	402.95	4030.00
52	Laying at or near ground level old kerb stones of all types 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 be more than 5 mm), including making drainage opening wherever required etc. complete as per direction of Engineer -in-charge. (Length of finished kerb edging shall be measured for payment). (Old kerb stones shall be supplied by the department free of cost).	20.00	Mtr	109.45	2189.00
53	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:				
a	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	2.00	each	6767.40	13535.00
54	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 :				
a	Kitchen sink with drain board				
i	510x1040 mm bowl depth 250 mm.	1.00	each	6945.60	6946.00
55	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 litres 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.	2.00	Each	18212.90	36426.00
56	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.	1500.00	per litre	11.00	16500.00
57	Raising manhole cover and frame slab to required level including dismantling existing slab and making good the damage as required (Raising depth of manhole to be paid separately) :				
a	Rectangular manhole 90x80 cm with rectangular cover 600x450 mm of grade LD - 2.5	2.00	Each	2625.50	5251.00
58	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design :				

a	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1.00	Each	5957.90	5958.00
59	Providing & fixing false ceiling at all heights with GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having moisture content less than 2%, humidity resistance of 99%, NRC0.50 to 0.75 as per IS 8225:1987, Non combustible as per BS 476 (part 4)-1970 and light reflectance of 85% (minimum) to be laid in true horizontal level suspended on inter-locking metal T-Grid of hot dipped galvanised iron section of 0.33mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T runners of size 15x32 mm of length 3000 mm, cross - T of size 15x32 mm of length 1200 mm and secondary intermediate cross-T of size 15x32 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and Lshape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall wood screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge.				
a	With semi perforated 12 mm thick micro tegular edged GRG false ceiling tiles.	40.00	sqm	1852.05	74082.00
	Non-/Schedule items				
60	Providing and fixing full bamboo jaffri consisting of superior quality with 25 mm dia (average) full dia size bamboo placed vertically and fixed together with 2 nos. horizontal runner member of hollock wood in scantling of section 50 x 25mm fixed with nails and G.I. wire on existing support complete as per direction of Engineer-in-charge.	90.00	sqm	932.90	83961.00
61	Rubbing and polishing of old Marble stone, kota stone, red/white sand stone flooring/skirting to high glossy / mirror finish after cleaning the stains and where ever required to give smooth & clean finish complete as per direction of engineer-in-charge.	250.00	sqm	137.20	34300.00
62	Ruled /Flush pointing on Red sand stone/ Kota stone flooring surface with Cement mortar 1:3 (1 cement : 3 coarse sand) including maching pigment (The rate is inclusive of all materials & labours involved).	50.00	sqm	116.55	5828.00
63	Providing and fixing fancy stainless steel tower bolt heavy type (Stainless steel should be of grade 304) of approved make and pattern with necessary stainless steel screws etc. complete as per direction of Engineer-in-charge.				
a	250x10 mm	6.00	each	428.00	2568.00
b	150x10 mm	6.00	each	289.55	1737.00
64	Providing and fixing fancy stainless steel handles heavy type (Stainless steel should be of grade 304) of approved make and pattern with necessary stainless steel screws etc. complete as per direction of Engineer-in-charge.				
a	150 mm	25.00	each	264.45	6611.00

65	Providing and fixing hard drawn steel wire fabric 75x25mm mesh sample approved by Engineer-in-charge including cutting to required size, placing in position and fixing with M.S. flat beading/ wooden beading as per direction of Engineer-in-charge (M.S. flat beading/ wooden beading will be paid separately)	200.00	kg	117.55	23510.00
66	30 mm thick Gang saw cut red sand stone flooring over 20 mm (average) thick base of cement mortar 1:5 (1 cement :5 coarse sand) with joints 3mm thick, side buttered with cement mortar 1:2 (1 cement : 2 stone dust) admixed with pigment to match the shade of stone and pointing with same mortar all complete as per direction of Engineer-in-charge.	220.00	sqm	1731.05	380831.00
67	Providing and laying AC 5 laminated flooring with tongue & groove construction, edges duly impregnated to secure long lasting joints, secured together with interlocking arrangement including underlay material like alkali resistant polyethylene sheet and foam, thickness and size of plank of flooring and underlay material as per manufacturers' specifications all complete as per directions of Engineer-in-charge. (a) 12.0mm thick (Make pergo, Action Tessa, Vista, Virgin or equivalent). Area of flooring and skirting shall be measured for payments	35.00	sqm	1893.20	66262.00
68	Providing and fixing stainless steel legs 100mm long in the bottom load bearing capacity 1000 kg/each wide foot diameter 50mm in S.S. chrome finish etc. complete as per direction of Engineer-in-charge.	8.00	each	797.85	6383.00
69	Providing and fixing block board (grade-I), exterior grade IS :-1659 in walls, partition, shelves, sides bottom & top etc. with iron screws or wooden cleats wherever required all exposed edges will be covered with teak wood margin/ lipping etc., complete as per direction of Engineer-in-charge.				
a	19 mm th. OST Block board (Duro make or equivalent)	100.00	sqm	3311.95	331195.00
70	Providing and fixing plain multipurpose cement board (High pressure steam cured) with suitable screws for cement particle board in ceiling etc. complete as per direction of Engineer-in-charge (make Bison of NCL Industries or equivalent) (frame work to be paid separately).				
a	12 mm thick Cement fiber board as per IS: 14862	10.00	sqm	1181.75	11818.00
71	Providing and fixing Ist rectified Glazed Ceramic quality wall tiles conforming to IS : 15622 (thickness to be specified by the manufacture) of required colours & shades 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 sum including pointing in white cement mixed with pigment of matching shade complete as approved by Engineer-in-charge.				
a	of size- 300 x 600mm (Glossy/matt finish, printed including highlighters)	30.00	Sqm	1653.45	49604.00

72	Providing and fixing factory /Machine made modular cupboards, kitchen cabinets, overhead cabinets, counters below wash basins of any depth & size including drawers shelves in required numbers, and similar work, manufactured with 19 mm thick BWR grade ISI marked board of approved brand (Duro make or equivalent in cost & specification) and confirming to relevant IS Code, In sides, top, bottom, vertical partitions and shutter, and 12 mm thick BWR grade Plywood of ISI marked of approved brand (Duro make or equivalent in cost & specification) and confirming to relevant IS code in back of kitchen Cabinet, including providing and fixing 0.80mm thick laminated sheet (Marino make or equivalent in cost & specification) of ISI marked in all inner side and 1.00 mm thick on front of shutters & exposed sides of cabinets including providing and fixing teak wood margin of size 19x 3mm with melamine polish or PVC edge band tape on all edges of cabinet including shutters and including the cost of all fitting, such as nails, screws , fevicol dowels, connecting screws, minifix, etc. required to complete this items as described above, and also the cost of auto closing hinges for fixing of shutters (Hettich make or equivalent in cost & specification) with necessary screws etc and fixing shutter with cabinets by making necessary rebate in shutter/cabinet etc. complete. Cabinet to be fixed in proper place/such as under counter of kitchen or over heads above the counter with required dash fasteners etc , all operation complete (Drawer channels to be paid separately) as per direction of Engineer-in-Charge.				
a	(Details Drawings shall be submitted by the contractor and got approved from the Engineer-in-Charge, before execution of work). Only Face area of shutter shall be measured for payment purpose.				
a.1	For all depth & height of cabinets	15.00	sqm	18669.35	280040.00
73	Providing and fixing of overall WPC wall panels (deand Sharper, D-space) 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)	80.00	sqm	3225.05	258004.00
74	Providing & Fixing decorative highpressure laminated sheet/ sunmica of 0.8mm thick of plain / wood grain in gloss /matt / suede finish with high density protective surface layer on existing shutter and reverse side of adhesive bonding including cost of adhesive and nails of approved quality etc. complete as per direction of Engineer-in-charge. (Marino lam (Flex-8 MR+) make or equivalent in cost & specification)	110.00	sqm	771.05	84816.00

75	Providing and fixing machine cut, mirror/ eggshell polished , Granite work for wall lining (veneer work) including dado, skirting, risers of steps etc., in required design and pattern wherever required, stones of different finished surface texture, on 12 mm (average) thick cement mortar 1:3 (1 cement : 3 coarse sand) laid and jointed with white cement slurry @ 3.3 kg/sqm including pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing, polishing etc. all complete as per Architectural drawings, and as directed by the Engineer-in-Charge.				
a	18 mm thik Granite cherry/rubby black colour and shade	10.00	sqm	8942.15	89422.00
76	Providing and fixing table top wash basin including 32 mm C.P. brass waste of standard pattern, cutting and making good the walls wherever required, complete as per direction of Engineer-in-charge.				
(a)	Rectangle shape of make Hindware (cat.no- 91041 (pastel)) or equivalent in cost & specifications of approved make)	2.00	Each	7127.30	14255.00
(b)	Oval shape of make Hindware (cat.no- 10049(pastel)) or equivalent in cost & specifications of approved make	1.00	Each	3908.25	3908.00
77	Providing and fixing C.P. brass bib cock with CP brass wall flange of approved make etc. all complete as per direction of Engineer-in-charge. (a) 15 mm nominal bore. (Make Jaquar (code-OPPCHR-15037PM) or equivalent in cost & specifications.	2.00	Each	2081.95	4164.00
78	Providing and fixing C.P. brass Two way bib cock with wall flange of approved make etc. all complete as per direction of Engineer-in-charge. (Make Jaquar (code-OPP-CHR-15041PM) or equivalent in cost & specifications. (a) 15 mm nominal bore.	4.00	Each	2331.25	9325.00
79	Providing and fixing C.P. brass angular stop cock / angle valve with wall flange of approved make etc. complete as per direction of Engineer-in-Charge. (a) 15 mm nominal bore. (Make Jaquar (code-OPP-CHR-15053 PM) or equivalent in cost & specifications.	2.00	Each	1208.60	2417.00
80	Providing and fixing C.P. brass pillar cock of Jaquar make or equivalent in cost & specification in cost of approved make etc. complete as per direction of Engineer-in-Charge. (a) 15 mm nominal bore. Make Jaquar (code-OPL-15001PM) or equivalent in cost & specifications.	2.00	Each	2149.70	4299.00
81	Providing and fixing C.P. brass single lever basin mixer without popup waste with 450mm long braided hoses of Jaquar make or equivalent in cost & specification in cost of approved make etc. complete as per direction of Engineer-in-Charge. (a) 15 mm nominal bore. Make Jaquar (code-OPP-15011BPM) or equivalent in cost & specifications.	2.00	Each	4674.55	9349.00
82	Providing and fixing C.P. brass single lever basin mixer 'Tall Body' with 150mm extension body fixed spout without popup waste system with 600mm long braided hoses of Jaquar make or equivalent in cost & specification in cost of approved make etc. complete as per direction of Engineer-in-Charge. a) 15 mm nominal bore. of Jaquar (code-OPP-15005BPM) or equivalent in cost & specification of approved make.	2.00	Each	6120.40	12241.00

83	Providing and fixing C.P. Brass wall mounted sink mixer with swinging spout with connecting legs and wall flanges of approved make etc. complete as per direction of Engineer-in-charge. Make Jaquar Cat no. LYR - 38165) or equivalent in cost & specifications.	2.00	Each	4848.20	9696.00
84	Providing and fixing C.P. brass towel ring square or round shape with CP brass flange of approved make including fixing with PVC rawl plugs & screws etc. all complete as per direction of Engineer-in-charge. (Make jaquar Cat.-ACN-1121BN / 1121N or equivalent in cost & specifications.)	2.00	Each	1113.25	2227.00
85	Providing and fixing C.P. brass tumbler holder with CP brass flange of approved make including fixing with PVC rawl plugs & screws etc. all complete as per direction of Engineer-in-charge. (Make Jaquar Cat.-ACN-1141N or equivalent in cost & specifications.)	2.00	Each	794.85	1590.00
86	Providing and fixing C.P. brass toilet paper roll holder with flap with CP brass flange of approved make including fixing with PVC rawl plugs & screws etc. complete as per direction of Engineer-in-Charge. Make of Jaquar Cat.-ACN-1153S or equivalent in cost & specifications.	2.00	Each	1561.25	3123.00
87	Providing and fixing C.P. brass soap dish holder with CP brass flange of approved make including fixing with PVC rawl plugs & screws etc. all complete as per direction of Engineer-in-charge. (Make Jaquar (Cat.-ACN-1131N) or equivalent in cost & specifications.	2.00	Each	819.80	1640.00
88	Providing and fixing C.P. brass towel rack 600 mm long of approved make including fixing with PVC rawl plugs & screws etc. all complete as per direction of Engineer-in-charge. (Make jaquar Cat.-ACN-1181FHS / 1181S or equivalent in cost & specifications.	2.00	Each	3501.80	7004.00
89	Providing and fixing S.S. grab bar 600 mm long of approved make including fixing with PVC rawl plugs & screws etc. all complete as per direction of Engineer-in-Charge. Make jaquar code no. (AHS-1507) or equivalent in cost & specifications.	2.00	Each	2255.35	4511.00
90	Providing and fixing C.P. brass towel rail 600 mm long with brackets fixed to wooden clats / rawl plugs with CP brass screws of approved make etc. complete as per direction of Engineer-in-Charge. Make Jaquar Cat.-ACN-1111SM or equivalent in cost & specification.	2.00	Each	1831.60	3663.00
91	Providing and fixing single flow overhead shower of round shape with air effect with arm of required length & wall flange of approved make etc. all complete as per direction of Engineer-in-charge. (Make Jaquar (Cat. - OHS 1755 + SHA 49483) or equivalent in cost & specification.	2.00	Each	5730.75	11462.00
92	Providing and fixing C.P. brass shower arm 600mm long with wall flange of approved make etc. all complete as per direction of Engineer-in-charge. Make Jaquar cat.-SHA- 455L600 or Johnson (code-S1023C) or Parko (code SA-074) or equivalent in cost & specifications	2.00	Each	2714.40	5429.00
93	Providing and fixing C.P. brass Hand shower (Health Faucet) having flexible tube of required length and wall hook of approved make etc. all complete as per direction of Engineer-in-charge. (Make Jaquar Cat-ALD-573 or equivalent in cost & specifications.	2.00	Each	1642.45	3285.00

94	Providing and fixing C.P. brass multi flow hand shower with easy flex tube chrome finish in required length and wall bracket of approved make etc. all complete as per direction of Engineer-in-charge. (Make Jaquar (Cat.-HSH- 1721 + SHA-571 + SHA -555) or equivalent in cost & specifications.	2.00	Each	5257.10	10514.00
95	Providing and fixing CP brass single lever exposed part kit of diverter consisting of operating lever with flange & button assembly of approved make etc. all complete as per direction of Engineer-in-charge. Make Jaquar Cat.-OPP-15065NKPM or equivalent in cost & specifications.	2.00	Each	1524.10	3048.00
96	Providing and fixing brass concealed body for single lever diverter 40 mm cartridge with button assembly of approved make etc. all complete as per direction of Engineer-in-charge. Make Jaquar Cat.-ALD-065N or equivalent in cost & specifications	2.00	Each	2755.85	5512.00
97	Providing and fixing C.P. Stainless Steel round cockroach trap (jali) of approved make etc. complete as per direction of Engineer-in-Charge. Make Kingston Code No. KRI-22A or equivalent in cost and specifications.	2.00	Each	381.55	763.00
98	Providing and fixing GI tank nipple for tank connection of approved quality etc. complete as per direction of Engineer-in-Charge. (a) 20 mm nominal bore	2.00	Each	127.80	256.00
99	Providing and fixing glass shelf 600mm long /corner glass shelf of Jaquar make code no. ACN-1171N or CAN-1173 or equivalent of approved make etc. complete as per direction of Engineer-in-Charge	2.00	Each	1981.20	3962.00
100	Providing and fixing 5mm thick looking mirror of superior quality (Modiguard or Atul or equivalent make) with 12mm thick commercial plywood in back of looking mirror & fixed to wooden cleats with C.P. brass screws & washers complete with 50mm wide 2nd class teakwood ornamental beading all around the mirror including polishing and fixing with teakwood plug etc. complete as per direction of Engineer-in -charge.	2.00	Sqm	3683.05	7366.00
101	Kattappa rough stone slab flooring 40mm (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) in approved Colour/design and pattern as per direction of Engineer-in-charge.	60.00	sqm	3339.90	200394.00
102	Removing existing old damaged broken tiles and / or APP sheets and / or Tar felt from terrace slab or similar locations including cleaning of surface etc to obtain clean surface, stacking and dumping dismenteled material upto all leads and lifts etc. complete as per direction of engineer-in-charge.	40.00	sqm	80.20	3208.00
103	Providing and laying broken glazed tiles on top of hot blown type bitumen applied @ 1.70 kg/sqm (1.40 kg/sqm of bitumen grade 85/25 & 0.30 kg / sqm of bitumen grade 80/100) and joints filled with cement mortar 1 : 2 (1 cement : 2 marble dust) mixed with water proofing cement compound all complete as per the direction of the Engineerin- Charge.	40.00	sqm	378.45	15138.00
104	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 groove 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 item includes cost of all material & labour component, 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 aluminum/Steel items. However, for the purpose of payment of this item, only the actual area of cladding with Aluminium composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places.	15.00	Sqm	3146.80	47202.00
105	Providing & fixing factory made 25 mm thick PVC solid plain white colour board Jali or any colour with CNC (Computer numeric control) routed of approved design by Engineer-in - charge, which are machine cut for duct/shaft covering, partitions and facades with properties of being termite/borer proof, water/moisture proof and fire retardant as per requirement at site all complete as per direction of Engineer-In- Charge	10.00	sqm	2441.65	24417.00
	Total of DSR Items 01 to 59				2231848.00
	Modified Cost after GST correction factor @0.973 on DSR items				2171588.00
	Add Cost index on DSR Items @ 4.03%				87515.00
	Total of DSR Items				2259103.00
	Grand Total (DSR & Non Schedule Items)			2152258.00	4411361.00

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

Executive Engineer,
I-Division, CPWD
New Delhi.