



**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

**(Short Notice)
Notice Inviting e-Tenders**

The Executive Engineer E-Division, CPWD, Gate No.11, South Block, New Delhi on behalf of President of India invites online percentage rate bids from approved and eligible contractors of CPWD for the following work:

NIT No.	29/EE/E-Div./2026-27
Name of work & Location	Up-gradation to Various Bungalows under 1/E Sub Division CPWD, New Delhi during 2026-27(SH: Various External Development Works).
Estimated Cost Put to Bid	Rs.40,11,364/-
Earnest Money	Rs.80,227/-
Stipulated Period of Completion of Work	01 (One) Month
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 11:00 AM on 21.09.2026
Date & time of opening of bid	21.09.2026 at 11:30 AM

The tender forms and other details can be obtained from the website www.etender.cpwd.gov.in or www.cpwd.gov.in / www.eprocure.gov.in

Office Inviting Tender

**-Sd/
O/o Executive Engineer
E-Division, CPWD
South Block, New Delhi**

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Name of Work: Up-gradation to Various Bungalows under 1/E Sub Division CPWD, New Delhi during 2026-27(SH: Various External Development Works).

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*Certified that this NIT contains **01 to 46 (Forty Six)** Pages.

***NIT No.29/EE/E-Div./2026-27** for **Rs.40,11,364/-** is approved.

Assistant Engineer (P)
E-Division, CPWD
South Block, New Delhi

Executive Engineer
E-Division, CPWD
South Block, 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 Form7 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.
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. The decision about how many huts can be allowed for chowkidar and storekeepers at site shall rest with the Engineer-in-charge and the bidder shall have no claim on this account.

Executive Engineer
E-Division, CPWD
South Block, New Delhi

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
NOTICE INVITING e-TENDER**

The Executive Engineer E-Division, CPWD, Gate No.11, South Block, New Delhi on behalf of President of India invites **online percentage rate bids** from approved and eligible contractors of CPWD for the following work: **"Up-gradation to Various Bungalows under 1/E Sub Division CPWD, New Delhi during 2026-27(SH: Various External Development Works)."**

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

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

- 1.1 The work is estimated to cost **Rs.40,11,364/-**This estimate, however, is given merely as a rough guide.
2. Agreement shall be drawn with the successful bidders on prescribed Form No. **CPWD 7** (or other Standard Form as mentioned) which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in / www.etender.cpwd.gov.in Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **01 (One) Month** 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-
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website www.etender.cpwd.gov.in / www.cpwd.gov.in free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times or withdraw it before last date and time of submission of bid as notified. **No post-tender modification is allowed by the tenderers except through negotiations, if required. In case, any tenderer does so, the tender will be rejected and the tenderer will be debarred for future tendering in CPWD for two years by the concerned enlisting authority (in case of CPWD enlisted contractor) and by the concerned CE/SE (in case of non-enlisted contractor).**
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
8. When bids are invited in three stage system and 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.
9. **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 money 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 bidders up to the specified bid submission date and time.

A part of earnest money is acceptable in the form of Bank Guarantee including e- Bank Guarantee also. In such case 50% of earnest money or Rs.20 lakhs, whichever is less, will have to be deposited through online payment mode and balance can be accepted in form of Bank Guarantee including e- Bank Guarantee issued by a commercial bank having validity for a period of 90 days for single bid work and 180 days for two bid system or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

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

Copy of Enlistment Order and certificate of work experience and other documents as specified in the bid document shall be scanned and uploaded to the e-Tendering website within the period of bid submission. Further, certified copy

of all the scanned and uploaded documents as specified in bid document 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.

The bid submitted shall be opened **at 11:30 AM on 21.09.2026.**

10. **The bid submitted shall become invalid and e-Tender processing fee (If applicable) shall not be refunded if:**
- (i) The bidder is found ineligible.
 - (ii) The bidder does not upload scanned copies of all the documents stipulated in the bid document.
 - (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.
 - (iv) If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / subhead in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
 - (v) 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 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 within the period specified in Schedule F.

12. The description of the work is as follows:

"Up-gradation to Various Bungalows under 1/E Sub Division CPWD, New Delhi during 2026-27(SH: Various External Development Works)."

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

- 13. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.
- 14. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
- 15. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
- 16. The contractor shall not be permitted to bid for works in the CPWD Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior

Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

17. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
18. No information/documents shall be entertained after submission of bid unless it is required to clarify the query raised by Employer. No fresh/revised mandatory document is permitted after submission of bid.
19. The bids for the work shall remain open for acceptance for a period of **01 (One) Month from the date of opening of bids in case of single bid system** and ~~75 (seventy five) days from the date of opening of technical bids in case bids are invited in 2 or 3 bid system.~~

Further

- (i) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within **07 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 **07 days** after last date and time (24 hours basis) of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
- (iii) Withdrawal of the tender, by the tenderer, shall only be made through e-tender portal. Any other method i.e. through letter / email etc. shall not be considered.
- (iv) In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.

In case of extension of agreement due to delay and / or reduction in scope of work due to foreclosure, no claim on account of reduction in value of work, loss of business, loss of profit, consequently overheads, any type of interest etc. shall be entertained.

20. This notice inviting bid shall form a part of the contract document. The successful bidder/contractor, on acceptance of his bid by the Accepting Authority shall within **15 Days** from the stipulated date of start of the work, sign the contract consisting of: -
 - (i) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
 - (ii) Standard C.P.W.D. Form 7- CPWD GCC Maintenance works 2023.
 - (iii) Corrigendum if any.
 - (iv) Letter of the contractor submitting the tender,
 - (v) Original letters of the Contractor and the Department officers that were exchanged before acceptance of tender.
 - (vi) Letter of the Engineer-in- Charge communicating acceptance of the tender, (Letter of Intent)
21. The intending bidders are required to update their profile in CPWD e- tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/uploading tender can be resolved through the concerned Executive Engineer/ (Phone no *. 011-23019299, e- mail Id *.deleece.cpwd@nic.in) or ERP helpline 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
E-Division, CPWD
South Block, New Delhi
For & on behalf of President of India

INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING FORMING PART OF NIT AND TO BE POSTED ON WEBSITE

(Applicable for inviting open bids)

The Executive Engineer E-Division, CPWD, Gate No.11, South Block, New Delhi on behalf of President of India invites **online percentage rate bids** from approved and eligible contractors of CPWD for the following work:

NIT No	29/EE/E-Div./2026-27
Name of work & location	Up-gradation to Various Bungalows under 1/E Sub Division CPWD, New Delhi during 2026-27(SH: Various External Development Works).
Estimated cost put to bid	Rs.40,11,364/-
Earnest Money	Rs.80,227/-
Stipulated Period of Completion of work	01 (One) Month
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 11:00 AM on 21.09.2026
Date & time of opening of bid	21.09.2026 at 11:30 AM

1. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he consider himself eligible and he is in possession of all the documents required.
2. Information and Instructions for bidders posted on website shall form of bid document.
3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and necessary documents can be seen and downloaded from website www.etender.cpwd.gov.in / www.cpwd.gov.in free of cost.
4. But the bid can be submitted after deposition of **EMD through online payment mode and Bank Guarantee including e- Bank Guarantee (for balance amount as prescribed) from a commercial bank, 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 or Bank Guarantee/e- Bank Guarantee (for balance amount as prescribed) from a commercial bank towards EMD in favour of "EXECUTIVE ENGINEER, E-DIVISION, CPWD, SOUTH BLOCK, NEW DELHI"** shall be scanned and uploaded to the e-tendering website within the period of bid submission. The balance EMD in the form of Bank Guarantee/e- Bank Guarantee should be deposited either in the Office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The balance EMD receiving Executive Engineer shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE/AE in the NIT.

This receipt shall also be uploaded to the e-tendering website by the intending bidder up to the specified bid submission date and time.

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

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

10. 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.
11. 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.
12. 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.
13. If the Contractor is found ineligible after opening of bids, his bid shall become invalid.
14. 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.

LIST OF MANDATORY DOCUMENTS TO BE SCANNED AND UPLOADED WITHIN THE PERIOD OF TENDER 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, E-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) & Copy of receipt for deposition of original EMD (In case of Part EMD) In enclosed Form-'H'.
4.	GST Registration Certificate if already obtained by the bidder or Undertaking as Applicable. If the bidder has not obtained GST registration as applicable, then the bidder shall scan and upload the undertaking along with bid documents as per Form-G.
5.	Copy of Permanent Account Number (PAN) of bidder as issued by the Income Tax Department.
6.	Undertaking on structural stability and soundness as per prescribed format (Form 'F').
7.	ERP training certificate or Undertaking as per Form-I.
8.	Any other document as specified in the NIT.

Note:

1. All the above-mentioned documents shall be clearly legible and shall be verified by the Tender Opening Authority prior to the opening of the actual bid. In the event that the bidder fails to scan and upload any of the required documents, his/her/their tender shall be liable to be treated as rejected.
2. Authenticated copy of all the scanned and uploaded documents as specified in NIT shall have to be submitted by the lowest bidder within a week physically in the office of tender opening authority.
3. The Postal address of the Executive Engineer, E-Division, CPWD, New Delhi may be noted as below for correspondence and submission of Physical documents: -
O/o Executive Engineer, E-Division, CPWD, Gate No.11, South Block, New Delhi-110011 (email id: deleeece.cpwd@nic.in) .
4. If any discrepancy is noticed between the documents uploaded at the time of submission of the bid and the hard copies submitted physically by the lowest bidder in the office of the Bid Opening Authority, the bid shall be liable to be declared invalid. Further, without prejudice to any other rights or remedies available, the Government shall be at liberty to forfeit 100% of the Earnest Money and the Performance Guarantee, irrespective of whether the Letter of Acceptance for the work has been issued or not.

**Executive Engineer
E-Division, CPWD,
South Block, New Delhi**

FORM 'F'

(Undertaking to be furnished on a 'Non-Judicial' Stamp Paper of Rs. 200/-)

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

To,

Executive Engineer,
E-Division, CPWD,
South Block, New Delhi.

Name of Work:-Up-gradation to Various Bungalows under 1/E Sub Division CPWD, New Delhi during 2026-27(SH: Various External Development Works).

NIT No.:29/EE/E-Div./2026-27

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 reasons 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:

- a) 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).**

FORM 'G'**(Undertaking to be furnished on Letterhead of Bidder)****UNDERTAKING REGARDING GST REGISTRATION CERTIFICATE**

To,
Executive Engineer,
E-Division, CPWD,
South Block, New Delhi.

Name of Work:- Up-gradation to Various Bungalows under 1/E Sub Division CPWD, New Delhi during 2026-27(SH: Various External Development Works).

NIT No.:29/EE/E-Div./2026-27

Having examined the details given in the bid document for the above work, I/we hereby submit that we are not having GST registration, as applicable hence we here by under take the following:

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.

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

Date of Submission:

FORM "H"**RECEIPT OF DEPOSITION OF ONLINE PAYMENT / AND BANK GUARANTEE INCLUDING E-BANK GUARANTEE AS EMD.**

Receipt No	
Date	
Name of Work	Up-gradation to Various Bungalows under 1/E Sub Division CPWD, New Delhi during 2026-27(SH: Various External Development Works).
NIT NO	29/EE/E-Div./2026-27
Estimated Cost	Rs.40,11,364/-
Amount of Earnest Money Deposit	Rs.80,227/-
Last Date of Submission of Bid	21.09.2026 Upto 11:00 AM
Below Details to be filled by EMD Receiving EE/AAO	
Name of Contractor #	
Form of EMD #	
Amount of Earnest Money Deposit #	
Date of Submission of EMD #	

**Signature, Name and Designation
of EMD receiving officer
(EE/AE(P)/AAO) along with office
stamp**

To be filled by EMD receiving EE

FORM "I"**UNDERTAKING REGARDING ERP TRAINING CERTIFICATE
(on letterhead of bidder with stamp)**

To,
Executive Engineer,
E-Division, CPWD,
South Block, New Delhi.

Name of Work:- Up-gradation to Various Bungalows under 1/E Sub Division CPWD, New Delhi during 2026-27(SH: Various External Development Works).

NIT No.:29/EE/E-Div./2026-27

Having examined the details given in the bid document for the above work, I/we hereby submit that, if we become first lowest in tender, then either myself or our authorized representative will take compulsory ERP training through any of the CPWD Regional Training Institutes (RTIs) at Delhi, Mumbai, Chennai and Kolkata, National CPWD Academy (NCA) Ghaziabad, Training arranged by graduates of ERP "Train the Trainers Programme" conducted by NCA, Ghaziabad or through any other special training arranged by ERP Unit of CPWD within one month from the date of issue of Letter of Award or before release of any payment by CPWD, whichever is earlier, failing which I/we shall be responsible for any action towards me/us on account of the work executed and/or for any action taken by CPWD in this regard.

Date of submission:

Signature (s) of Bidder(s)

Seal of bidder

CPWD-7

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

STATE
BRANCH

**Delhi
B & R**

ZONE
DIVISION

**NDZ –I
E-Division**

SUB-DIVISION

1/E

PERCENTAGE RATE TENDER & CONTRACT FOR WORKS

1. Tender for the work of :-
Up-gradation to Various Bungalows under 1/E Sub Division CPWD, New Delhi during 2026-27(SH: Various External Development Works).
2. To be submitted online by **11:00 AM on 21.09.2026** at <https://etender.cpwd.gov.in>
3. To be opened in presence of tenderers who may be present at **11:30 AM on 21.09.2026** in the office of **Executive Engineer, E-Division, CPWD, South Block, 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.

I/We agree to keep the tender open for **Thirty (30) days** from the due date of opening **in case single bid system**, and not to make any modifications in its terms & conditions.

I/We have deposited EMD **through online payment mode** for the prescribed amount 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 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 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 take action as per declaration given by us in the prescribed proforma for EMD. 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 Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

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

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

Dated

Signature of the Contractor

Postal Address

Telephone No.

Witness:

FAX

Address:

E-MAIL

Occupation:

ACCEPTANCE

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

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

(a)

(b)

For & on behalf of the President of India

Signature.....

Dated

Designation.....

PROFORMA OF SCHEDULES**SCHEDULE 'A'**

Schedule of quantities, enclosed on separate sheets from page : **From Pg No. 40 to 45.**

SCHEDULE 'B'

Schedule of materials to be issued to the contractor:

S.No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor.	Place of issue
1	2	3	4	5
----- NIL -----				

SCHEDULE 'C'

Tools and plants to be hired to the contractor:

Sl. No.	Description	Hire charges per day	Place of issue
1	2	3	4
----- NIL -----			

SCHEDULE 'D'

Extra schedule for specific requirements/document for the work, if any : As per Particular Specifications, Additional Specifications, General Conditions, Additional Conditions & Special Conditions, Environment Management etc. attached & work shall be executed according to **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** for CPWD work which are available separately at printer's outlets. The bidder may obtain the address of the outlets from the **Executive Engineer, E-Division, CPWD, South Block, New Delhi.**

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:-	Up-gradation to Various Bungalows under 1/E Sub Division CPWD, New Delhi during 2026-27(SH: Various External Development Works).
Estimated cost of work:-	Rs.40,11,364/-
(i) Earnest money:-	Rs.80,227/-
(ii) Performance Guarantee:-	(a) 05% of the tendered value or the 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 :-	2.50% of tendered Value Or 2.50% of tendered Value plus 50% PG for contracts involving maintenance of the building & services / any other work also.

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

Sl. No.	Description of Milestone (Physical)	Time allowed in days (from date of start)	% Amount of tendered cost to be with-held in case of non achievement of milestone
Not Applicable			

Time allowed for execution of work**01 (One) Month****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	The site is available for work.	The handing over is effective from issuance of Letter of Commencement of Work.
Part B	Portions with encumbrances	NIL	NA
Part C	Portions dependent on work of other agencies	NIL	NA

Clause applicable – (5 or 5A) : Clause-5

Authority to decide:	
1. Authority to convey the decision of shifting of milestone and extension of time.	Executive Engineer, E-Division, CPWD, South Block, New Delhi or his successor
2. Rescheduling of mile stones and extension of time	CE (NDZ-I), CPWD, New Delhi. or his successor
3. Shifting of date of start in case of delay in handing over of site	CE (NDZ-I), CPWD, New Delhi. or his successor

Clause 6 Computerised Measure Book (CMB) / Electronic Measurement Book (EMB)	Mode of measurement : EMB
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Clause 7 Gross work to be done together with net payment / adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment.	Rs.5.00 Lakh or as decided by the Engineer-in-Charge on the request of the contractor.
Clause 7A Whether clause 7A shall be applicable	Applicable

Clause 8 The competent authority to inspect and issue of completion certificate	Executive Engineer, E-Division, CPWD or his successor or as notified from time to time by CPWD Directorate.
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Clause 10A List of testing equipment to be provided by the contractor at site lab.	As per Updated CPWD Specification 2019, Volume –I & II
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Clause 10 – B(ii)

Whether clause 10-B(ii) shall be applicable

Not Applicable

Clause10C			
Whether Clause 10C shall be applicable	Applicable		
Schedule of component of Labour etc. for price escalation	Day to day maintenance/ Cleaning work	Supply of material	Minor work / Special Repair work
Component of Labour - expressed as percent of total value of work-Y.....%	N.A	N.A	25%
Component of labour expressed as percent of value of work = 25%			

Clause 10CC–Not Applicable

Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column.

Not Applicable

Schedule of component of other Materials, Labour, POL etc. for price escalation.	
Component of Civil (Except materials covered under clause 10 CA)/ Electrical construction materials expressed as percent of total value of work. Xm	Not Applicable
Component of Labour expressed as percent of total value of work. Y	Not Applicable
Component of POL expressed as percent of total value of work. Z	Not Applicable

Clause 11 Specifications to be followed for execution of work	CPWD Specifications for works-2019 Vol I & II with up-to-date correction slips and direction of Engineer-in Charge.
Clause 12 Type of work	Maintenance work The completion cost for maintenance work shall in no case exceed 1.50 times of the Contract amount.
Clause 12.2.& 12.3 Deviation limit beyond which clauses 12.2 & 12.3 shall apply for building work.	Applicable as per CPWD GCC 2023 with upto date correction slip.
Authority to Decide Deviation of Contract Amount	
Upto 1.25 times the contract amount : Executive Engineer-Division, CPWD or his successor	
Beyond 1.25 times upto 1.50 times of contract amount : Chief Engineer, NDZ-1,CPWD or his successor	
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.
Clause 16 Competent Authority for deciding reduced rates.	CE (NDZ-I) 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.
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Clause 19	
Authority to decide penalty for each default	
Clause 19C	Executive Engineer, E-Division, CPWD, New Delhi or his successor (Penalty of Rs. 200/- for each default)
Clause 19D	Executive Engineer, E-Division, CPWD, New Delhi or his successor (Penalty of Rs. 200/- for each default)
Clause 19G	Executive Engineer, E-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, E-Division, CPWD, New Delhi or his successor (Penalty of Rs. 1000 /- 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							
Requirement of Technical Representative (s) and Recovery Rates							
Sl. No.	Minimum qualification of Technical Representative	Discipline for (Major + Minor component)	Designation (Principal Technical /Technical Representative	Minimum Experience (years)	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 32(i) (Rs per month per person)	
						Figures	words
1	Graduate in any stream Or Diploma Engineer in any stream	Civil (1)	Project manager cum planning / quality /site billing Engineer	2 or 5 respectively	1	25,000/-	Rupees Twenty Five Thousand only

Note:

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

Clause 38		
(i)	(a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2023 by CPWD with upto date correction slips	
(ii)	Variations permissible on theoretical quantities:	
a)	Cement for works with estimated cost put to tender not more than Rs. 25 lakhs	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

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

S.No.	Description of Item	Rates in figures and words at which recovery shall be made from the Contractor	
		Excess beyond permissible variation	Less use beyond permissible variation
1.	Cement	-----Nil-----	-----Not Allowed-----
2.	Steel Reinforcement	-----Nil-----	-----Not Allowed-----
3.	Structural Sections	-----Nil-----	-----Not Allowed-----
4.	Bitumen issued free	-----Nil-----	-----Not Allowed-----
5.	Bitumen issued at stipulated fixed price	-----Nil-----	-----Not Allowed-----

Executive Engineer
E-Division, CPWD,
South Block, New Delhi

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, E-Division, CPWD, New Delhi** 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, E-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 anything mentioned above, our liability against this guarantee is restricted to Rs..... (Rupees.....only) and unless a claim in writing is lodged with us within 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.
Bank seal

2. Signature.....
Name and address

- * **Date to be worked out on the basis of validity period of 90 days where only financial bids are invited and 180 days for two / three bid system from the date of submission of tender / bid.**
- ** **In paragraph 1, strike out the portion not applicable Bank Guarantee includes e-Bank Guarantee will be made either for earnest money or for performance guarantee / security deposit as the case may be.**

GENERAL TERMS AND CONDITIONS

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. The work shall be carried out as per CPWD specifications 2019 (Vol. I & II) with up-to-date correction slips. 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 of 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 got 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 prejudiced 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 is 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, equipment 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 liveable 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 as per Clause 32 of Schedule F who shall remain present at CPWD Service Centre 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. However, the measurement shall be compiled by the Nodal Assistant Engineer 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, at least once in a month, failing which a recovery of **Rupees Fifty Thousand (Rs.50,000) 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 Work may be required to be done into night hours also.
 59. At least 50% quantity of interior / exterior, paints shall be deposited to the representative of Engineer-in Charge at the time of handing over of the site, along with copy of GST/Tax invoices.
 60. The bidder shall make arrangement for stay of labourers outside the work site at the own cost. No labourer will be allowed to stay at work site.
 61. The rates quoted by the bidder shall include all levies, taxes, cess etc. Nothing extra will be payable beyond the quoted & accepted rates.

SPECIAL CONDITIONS

1. **The work is to be executed in a highly secured and sensitive area, the contractor shall submit Police Clearance Certificates (PCC) of all workers proposed to be deployed, within 03 (Three) days from the date of issue of the Letter of Acceptance. Only workers possessing valid PCCs shall be permitted to enter the site.**
2. All materials, labour and vehicles shall be subject to security checks by the concerned security agencies. Any labour or material rejected during such checks shall be replaced immediately by the contractor at his own cost, without any claim for compensation or extension of time.
3. The contractor shall be solely responsible for obtaining Police Clearance Certificates (PCC) of all labour and for securing necessary permissions for all vehicles deployed for execution of the work. The contractor shall strictly comply with all security norms and guidelines issued by the concerned Ministries / Departments. A complete list of workers proposed to be deployed shall be submitted to the Engineer-in-Charge well in advance to facilitate issue of security passes and other clearances before commencement of the work.
4. The contractor shall arrange all materials in advance. The locations and premises where the work is to be executed will be intimated only three (03) days in advance. Only PCC-cleared workers shall be allowed to carry out the work, and no delay or hindrance on account of non-availability of cleared manpower shall be entertained by the Department. Any delay on this account shall be treated as attributable solely to the contractor.
5. Failure to submit the PCCs within the stipulated period shall be treated as a breach of contract, and no extension of time shall be granted on this account. The Engineer-in-Charge shall be at liberty to take action, including determination of the contract, in accordance with the terms and conditions of the agreement.
6. The bidder is requested to acquaint himself about site conditions, labour restrictions, traffic, restriction, working hours and occupied house/premises before quoting their rates. He should take into consideration all such factors and contingencies, while quoting his rates. Nothing extra shall be considered beyond the quoted and accepted rates.
7. The work is required to be executed in restricted site, odd hours and the bidder shall plan the work to be carried out accordingly.
8. There may be some restrictions on free movement of labourers at site and restriction of working hours and bidder shall consider this fact while quoting the rates and executing the work.
9. The contractor through his Engineer shall ensure quality construction in a planned and time bound manner. Any sub-standard material/work beyond set out tolerance limits shall be summarily rejected by the Engineer in charge.
10. The contractor or his authorized representative shall always be available at the site of work to take instruction from department officers and ensure proper execution of work. Any instruction by Engineer-in-charge during execution of work shall be strictly adhered to.
11. The bidder shall maintain a proper dress code with deptt. Logo (front side) and bidder name (back side) of a single suit of orange colour along with designated yellow helmet for labour (skilled & unskilled) & blue for electrician and green for safety environment in-charge along with leather safety shoes and other relatively safety equipments etc. complete for each and every workers during their work hours. The bidder is liable to pay a penalty charge of Rs.1000/- per day per person in case non-implementation of this dress code, failure of such dress code more than a twice on basis of proper record entries i.e. Site order book / Inspection register by any concerned official of CPWD then department have right to dismiss foreclosure of this agreement before time. A selective list of dress code is also attached with agmt. documents for ready reference. (Image enclosed in next page).
12. The work shall be executed in most professional manner with least possible inconveniences to the allottees /surroundings. 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 same or adjoining buildings.
13. The contractor shall be responsible to arrange at his own cost all necessary tools and plants required for execution of this work, Tools, plants and machinery required shall be brought to the site as and when required by the Engineer in charge & same shall not be removed without the consent of the Engineer-in-charge.
14. Existing drains, pipes, cables, overheads, wires, sewer lines and water lines and similar service encountered in the course of the execution of the work shall be protected against the damage by the contractor at his expenses. The

contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services.

Color	Image	For
White		Managers, Engineers, Supervisors and Foremen
Blue		Electricians, Carpenters and other technical operators apart from civil workers
Green		Safety Officers
Yellow		Labourers
Red		Fire Fighters



**WORKERS UNIFORM
(ORANGE)**



SAFETY SHOES

15. The recovery as per applicable Acts like Income Tax Act and Workers Welfare Cess Act etc. shall be made from running bill/final bill of the contractor.
16. The Architectural, Structural and other services drawings if any for the work shall at all time properly correlated before executing any work and no claim whatsoever shall be entertained in this respect.
17. The contractor shall provide details viz, name, father's name, residential address and any other details required i/c photo as may be required by the security bidder for issue of photo pass to the labour engaged on work at his own cost. However, the department will provide assistance for obtaining entry passes as required.
18. The contractor shall issue identity card & badges to his workers and ensure that the workers wear it all the time while working.
19. All the serviceable materials obtained from dismantling will be property of the departments and will be deposited to enquiry office stores as directed by the Engineer in charge for which no extra payment shall be made.
20. Nothing extra shall be paid to the contractor for excess consumption of material in case of material arranged by him & recovery shall be made if it is issued by the department.
21. The item of water proofing treatment shall be got executed by the authorized applicator; the firm shall be got approved by the Engineer-in-charge before the start of work and an **additional security in shape of Bank Guarantee/ Fixed Deposit equal to 10% of the amount of Waterproofing works** for its satisfactory performance shall be submitted by the bidder for a period of **10 (Ten) years** in the prescribed Performa in CPWD Work Manual/SOP. The Bank Guarantee/ Fixed Deposit shall be in favour of **"Executive Engineer, E-Division, CPWD, New Delhi"**.
22. The other items of specialized nature shall be got executed by the authorized firm, the firm shall be got approved by the Engineer-in-charge before the start of work and an **additional security in shape of Bank Guarantee/ Fixed Deposit equal to 10% of the amount of specialized works** for its satisfactory performance shall be submitted by the bidder for a period of **02 (Two) years** in the prescribed Performa in CPWD Work Manual/SOP. The Bank Guarantee/ Fixed Deposit shall be in favour of **"Executive Engineer, E-Division, CPWD, New Delhi"**.
23. **For some of the specific nature of work such as anti-termite treatment and waterproofing work the specialized agencies to be associated by the contractors. The associated specialized agencies / specialized firm executing the work shall 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 anti-termite treatment and waterproofing work as security deducted 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.

24. EPF and ESI contribution paid to the contract workers shall be reimbursed on actual basis. To be eligible to claim the reimbursement of any of the payments made by the bidder towards the statutory provisions at end of contract, the contractor/bidder shall have to produce the duly attested photocopies of the passbook entries in respect of all the workers individually which shall be treated as the only proof for such claims and all originals shall have to produced if Engineer-in-Charge so desire.
25. Minimum Current Labour Wages as notified by the Govt. shall be paid to the workers engaged on the work.
26. The payment to the workers by the contractor through Bank (RTGS / NEFT / By Cheque / ECS or online transfer).
27. If, it is found that workers is absent, then the a recovery @ rate of 1.50 times the minimum rate of wages per day specified by the Govt. on the date of absence for respective category of workers shall be made from the contractor bill.
28. Material supplied by the contractor like paint / OBD etc. shall be of approved brand manufacturer as per list enclosed in the NIT.
29. Before execution finishing item like painting etc., contractor is bound to supply the full quantity of material to the department.
30. Paint / OBD etc. issued by the department for execution of items shall be used as per CPWD Specification and permissible variation / wastage as per DAR, otherwise excess use of material shall be recovered from bidder.
31. During execution of work contractor shall make arrangement for cleaning of site daily after the work. Nothing extra shall be payable on this account.
32. Full quantity or quantity as decided by Engineer-in- Charge of the materials such as paint, acrylic emulsion paint, acrylic distemper or any other material required as per schedule of quantity etc. shall be deposited at the inquiry of concerned sub division within 07 days of start of work.
33. The contractor shall have to get approved the brands / shades of Acrylic Distemper, Synthetic Enamel Paint, Acrylic Emulsion Paint, Exterior Paint or any other material required as per schedule of quantity etc. from the Engineer-in-Charge within 5 days of start of work 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.
35. 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.
36. 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.
37. 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.
38. 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.
39. Scrapping shall be shown to the Assistant Engineer and got approved and test checked by him prior to painting or other finishing work.
40. 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.
41. 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.

42. The material such as Sanitary items / Water supply items / Aluminium fittings etc. as required shall be of approved brand and manufacturer as given in the list of approved makes of materials or as approved by the Engineer-in-Charge.
43. The sample of all the items shall have to be got approved by the Contractor from the Engineer-in-charge before the commencement of supply and shall be without prejudice to the right of Engineer-in-Charge to get random samples tested out of the actual lot received.
44. Royalty, Octroi, Terminal-tax etc. at prevalent rates shall have to be paid by the Contractor himself and the rates quoted by him shall include these duties and nothing extra on, this account shall be payable.
45. The material is to be provided as per the preferred make list available in the tender document or as per direction of engineer-in –charge.
46. 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).
47. 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.
48. 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.
49. **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.**
50. The contractor **should take extra precaution for protection of existing floor, wall, fittings, fixtures etc. Nothing extra shall be paid on this account.**
51. The contractor shall submit authenticated copies of itemised GST paid bills of the materials which has to be entered in the MAS Register like steel, cement, bitumen, paint etc. or any other item as directed by the Engineer-in-Charge. No payment will be made without submission of itemised GST paid bills of materials. This condition will supersede all other conditions regarding submission of bills of material specified elsewhere in the NIT.
52. **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/G. I Pipes & fittings/TMT Bars	30.00 per kg.
(b)	CP Fittings	550.00 per kg.
(c)	Aluminum Sections, grills, sheets etc.	180.00 per kg.
(d)	Wooden doors & windows	
(i)	Of area upto 3 sqmt.	1000/- each
(ii)	Of area beyond 3 sqmt.	1500/- each
(e)	Old Bricks	2.30 each
(f)	Interlocking Paver Block	50/- sqm

SPECIMEN FORMAT OF WORKERS IDENTITY CARD**PAGE-I**

Name of worker: -

Present Address:-

Permanent Address:-

Identification Mark:-

Place of Duty:-

Signature of Worker:-

Signature of Contractor:-

PAGE-II

SL.NO.....

WORKERIDENTITYCARD**NOTE:-**

1. This Contractor is valid only for specified working place / place of duty.
2. This Contractor is fully responsible for any misuse of this card beyond duty hours /days.
3. The contractor bears responsibility for the character card holder worker.

Name of Bidder
With Address:-

Telephone No./Mobile:-

Registration No:-

VALID UP TO:-.....

PERFORMA OF VERIFICATION OF CPWD CONTRACTOR WORKERS

Name of work:-

Photo

Agreement No.: -

Bidder Name of Worker:- Father's
/ Husband Name: -

Age: -

Present Address: -

Permanent Address: -

Period of Duty in Delhi: -

Two references in Delhi
With Present & Permanent
Address (with one other
than Contractor with
telephone Nos.)

(Signature of Worker)

(Signature of Contractor)

***Note:-** Worker/Contractor to submit attested photocopy of the Identification of the reference persons.

CONDITION RELATED TO PREVENTION OF POLLUTION AS PER PRINCIPAL BENCH OF NATIONAL GREEN TRIBUNAL (MODIFIED)

1. The contractor shall not store/dump construction material or debris on metalled road.
2. The contractor shall get prior approval from Engineer-in-Charge for the area where the construction material or debris can be stored beyond the metalled road. This area shall not cause any obstruction to the free flow of traffic/inconvenience to the pedestrians. It should be ensured by the contractor that no accidents occur on account of such permissible storage.
3. The contractor shall take appropriate measures for protection are to be taken by raising of wind breakers of the appropriate height on all side of plot/ area using plastic and / or other similar material, to ensure that no construction material dust fly outside the plot area.
4. The contractor shall ensure that all the trucks or vehicles of any kind which are used for construction purposes/or are carrying construction material like cement, sand and other allied material are fully covered. The contractor shall take every necessary precautions that the vehicles are properly cleaned and dust free to ensure that enroute their destination, the dust, sand or any other particles are not released in air/contaminate air.
5. The contractor shall provide mask to every worker working on the construction site and involved in loading, unloading and carriage of construction material and construction debris to prevent inhalation of dust particles.
6. The contractor shall provide all medical help, investigation and treatment to the workers involved in the construction of building and carry of construction material and debris relatable to dust emission.
7. The contractor shall ensure that C&D waste is transported to the C & D Waste site only and due record shall be maintained by the contractor.
8. The contractor shall compulsory use of wet jet in grinding and stone cutting.
9. The contractor shall comply all the preventive and protective environmental steps as stated in the MoEF guidelines, 2010.
10. The contractor shall carry out on-road-Inspection for black smoke generating machinery. The contractor shall use cleaner fuel.
11. The contractor shall ensure that all DG sets comply emission norms notified by MoEF.
12. The contractor shall use vehicles having pollution under control certificate. The emissions can be reduced by a large extent by reducing the speed of a vehicle to 20 kmph. Speed bumps shall be used to ensure speed reduction. In cases where speed reduction cannot effectively reduce fugitive dust, the contractor shall divert traffic to nearby paved areas.
13. The contractor shall ensure that the construction material is covered by tarpaulin. The contractor shall take all other precaution to ensure that no dust particles are permitted to pollute air quality as a result of such storage. All other precautions should be taken to ensure that no dust particles are permitted to pollute the air quality.
14. The Bidder would be personally responsible for effective compliance of these directions as per court orders.
15. Material storages/ warehouses- Care should be taken to keep all material storages adequately covered and contained so that they are not exposed to situations where winds on site could lead to dust/particulate emissions. Fabrics and plastics for covering piles of soils and debris is an effective means to reduce fugitive dust."

By way of these orders/notice you are hereby notified for mandatory strictly adherence to and compliance of the directions contained in the order of Hon'ble Tribunal as well as MoEF guidelines, 2010 in relation to precautions required to be taken while carrying on construction activities.

Copy of NGT orders dated 04.12.2014, 10.04.2015 copy of MoEF guidelines 2010 and copy of notice issued are available at the DPCC website also i.e. "<http://dpcc.delhigovt.nic.in>."

Please note that the non-compliance of Hon'ble NGT order will make you liable for action as per law including the directions for stoppage of work.

GUIDELINES FOR MULTISTAGE CENTERING

1. The guidelines for proper handling the situation of multistage centering in buildings or where height of casting of concrete is higher than normal height of 3.5 M or where higher loading are coming during casting of concrete or large span structure and in situations of casting of some special structures like domes, vaults etc., are as follows:-
2. In all situations, centering / scaffolding / staging for casting of these structures should be properly designed by a qualified and experienced person / bidder have post experience in design of false work (centering) for concrete structures and should be proof checked by similar experienced person / bidder and it should be properly approved and issued to contractor by Engineer-in-charge. The provisions of IS:14687 may be referred for design of false work (centering).
3. A method statement for erection and dismantling of the centering / scaffolding / staging and process of concreting shall be prepared by contractor and submitted to Engineer-in-charge for approval and the work shall be commenced only after approval of method statement by Engineer-in-charge. The provisions of clause 9 of IS:14687 may be referred for erection of false work (centering), safety precautions and other site operations, pertaining to false work (centering).
4. Experienced form watcher shall be engaged during erection, concreting and dismantling for early detection of any movement or instability in the system. The field engineers shall ensure that CPWD specifications and provisions of BIS codes are strictly followed.
5. A detailed programmed of field safety inspection of centering / scaffolding / form work of such structures during different stages should be chalked out and strictly followed.
6. Provision of safety net, fall arresting system including other safety gears, for workers, working over these structures shall be made in contract and should be followed strictly.

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 tonnes 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. **Such recovery shall be made at the rate prevailing as per DG, CPWD 10CA circulars or ₹6,000/- (Rupees Six Thousand only) per metric ton, whichever is higher.** 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-500D or more 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.
- 2.10 Guide lines for use of TMT steel /Low Alloy steel/ reinforcement Bars in CPWD works and enlistment of the steel manufactures in respect of TMT steel/Low Alloy steel/reinforcement Bars in CPWD shall be governed vide OM No. CSQ/SE(TAS)/Steel/2024/262-H Dated: 14.08.2024. As per this OM, the reinforcement steel bars produced by plants of **SAIL, RINL, TATA, JSW & JSPL** which are in wider use in CPWD may be continued to be used as preferred make in the NIT in respect of Bar Set-I
- 2.11 In compliance of the directions of the Hon'ble High Court at Calcutta, an Expert Committee was constituted by DG CPWD vide OM No. CSO/SE(TAS)/EE(TAD)/Steel/2024/190H dated 10.06.2024 for deciding the criteria for the selection of steel manufacturers for CPWD works. The expert committee has conveyed their final recommendation {enclosed as annexure I(d)} vide Minutes of Meeting dated 24th July 2024 and the same has been accepted by DG, CPWD. The brief of these recommendations are as follows: Steel Bars shall be classified as:
- Bar Set I, if it complies with the requirements given in the Latest version of IS 1786, and additional requirement (e.9. Chemical Composition Requirement for Manganese and Copper, Tempered Martensite (TM) Ring Requirement, Marking Requirement and compliance of the provisions of ISO 9001:2015 and ISO 14001 :2004) mentioned in the recommendations. And
 - Bar Set II, if it complies with the requirements given in the latest version of IS 1786. The committee has also recommended use of above mentioned Steel Bar sets considering the importance of quality in construction of public structures in different projects of CPWD, on the basis of (a) earth quake zones, (b) environment conditions (coastline and exposure condition), (c) Structure category, and (d) heights of buildings and structures.

MINIMUM QUALITY ASSURANCE PLAN

1. Maintenance of Register of Tests

- (i) All the registers of tests to be carried out at Construction Sites or in outside laboratories are maintained by the contractor, which are issued to the contractor by Engineer-in-Charge.
- (ii) All Samples of materials including Cement Concrete Cubes are taken jointly with Contractor by JE, AE and EE, as per percentage stipulated in the NIT or as prescribed in the CPWD Works Manual. All the necessary assistance is to be provided by the contractor. Cost of sample of materials including testing charges is to be borne by the contractor and he/she is responsible for safe custody of samples to be tested at site.
- (iii) All the test in field lab setup at Construction Site are carried out by the Engineering Staff deployed by the contractor preferably. The percentages of tests to be witnessed by the field officers are to be decided by the NIT approving authority and stipulated in the NIT keeping in view the nature of work and should form part of QA Plan. In case, no such provision is made in NIT, provisions of CPWD Works Manual shall be applicable.
- (iv) All the entries in the registers are made by the designated Engineering Staff of the contractor and same is regularly reviewed by the field officers as well as the Engineer-in-Charge. Contractor is responsible for safe custody of all the test registers.
- (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 MAS Registers including Cement and Steel Registers are maintained by Contractor which are issued to the contractor by Engineer-in-Charge.
- ii) Each entry of receipt of material at site is 100% test checked by JE or by AE if there is no JE. If both JE & AE are available AE should test check at least 50% of the entries.
- iii) Each MAS Register is checked by JE & AE at least once a week.
- iv) Cement Register is reviewed by EE at least once in a month for work at same station and alternatemonths for work at outstation.
- v) It shall be mandatory for the field staff to retain the self-attested (by agencies / contractors) copies of Tax paid bills of the material entered in the MAS register viz, steel, cement, bitumen, paint, prime, distemper, varnishes, Tile adhesive, admixture, anti-termite chemical, water proofing compound material and any other item as decided by the NIT approving authority.
- vi) Self-attested copies of Tax paid bills of material taken in MAS register shall be obtained by the field staff from the agencies/ contactors before settling the payment. In case of any doubt the same can be verified by the filed staff. However, onus of genuineness of Tax paid bills rests with the agencies/ contactors.
- vii) 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.

Appendix-XX – Register of Material at Site (MAS)

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

S. No.	Date of Receipts (Details of Challans/Bills, Specific location, Vehicle No.)	Received from / Issued to	Quantity Received	Date of Issue	Specific location where Plants & Materials Displayed / Delivered / Issued	Quantity Issued	Balance Quantity	Signature of authorized representative of Contractor	Signature of authorized representative of Engineer-in-Charge / AE / EE & Remarks	Remarks

3. Testing of Material at Site or in Lab-

- i) The contractor shall supply free of charge the sample materials required for testing and shall also bear the packing, sealing, transportation & other incidental charges. The material and its frequency to be tested shall be as per CPWD specifications or its relevant codes or as decided by Engineer-in-charge. **The testing charges for all samples shall be borne by the contractor.**
- ii) **Field Laboratory:** The contractor shall at his own expense, setup a material testing lab equipped with the testing equipment as specified in schedule F at site for conducting routine field test.
- iii) **External Laboratory:** Letter for submitting sample(s) for testing of material shall be sent through e-mail to the Lab by authorized representative of Engineer-in-Charge or Engineer-in Charge of the work along with name(s) of test(s) to be done on the material.
- iv) The contractor shall collect the sample(s) from the site and submit it to the lab; make necessary Payment for the testing charges. He will inform on the same day through email to authorized representative of Engineer in-Charge and Engineer-in-charge regarding submission of sample (s) and payment made to the lab. If he either fails to collect or submit the sample(s) to the lab within 03 days or in time as prescribed in the specifications, whichever is earlier, the Engineer-in Charge shall collect and submit the sample(s) and make necessary payment for testing charges to the lab, In such case, Engineer-in-Charge shall make recovery on account of collection and submission of sample(s) to the lab and paid testing charges etc. from the next R/A bill / Final bill of the contractor. This action of Engineer-in-Charge shall be final and binding.
- v) If the contractor fails three times in collection and/or submitting sample(s) and/or fails to make payment for testing charges, the contractor shall be debarred from tendering in CPWD for a period of two years.

4. Site Infrastructure

(For Works have estimated value of Work above Rs. 50.00 Lakhs and stipulated date of completion equal or more than six months)

The Contractor shall provide and maintain one new desktop computer of a reputed brand with latest-generation processor, licensed operating system, and latest MS Office, along with a multifunction printer, at the site of work for use by the Engineer-in-Charge and his authorized representatives, as per direction of Engineer-in-Charge. The equipment shall be provided within fifteen days of the Letter of Award and maintained till actual completion of the work. The quoted rates are deemed inclusive of this cost and no extra payment shall be made on this account. Recovery at the rate Rupees Two Hundred per day per desktop / printer shall be made for failure to provide the equipment within the stipulated period.

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).

S.No.	Sub-Category / Item	Preferred Makes
A	Civil & Structural Materials	
1	Cement (OPC/ PPC)	ACC, JK Cement, Ultratech, Shree Cement
2	TMT Bars (ISI Marked)	TATA, RINL, SAIL, JSW, JSPL
3	Structural Steel Sections	TATA, RINL, SAIL, JSW, JSPL
4	Steel Tubes (Hot Finished Welded)	SAIL, TATA (TISCO), RINL, Jindal steel & Power (JSPL), JSW, APL Apollo Tubes Ltd., Jindal Hisar
5	G.I. Sheets	SAIL, Tata Shakti, Jindal, Swastik, LLOYDS, Everest, JSW, MULTICOLOR, INTERARCH, Lloyd, Bhushan Essar
6	Ready mix Cement Concrete	ACC, Ultratech, Nuvoco, Anrittech Pvt. Ltd., NDCON Constructions and / or the batch mixing plant to be set up by contractor away from the site, and/or any other manufacturer as approved by Engineer-in-Charge.
7	Concrete Curing Compound	Fosroc, Sika, BASF, Pidilite, Apple Chemie, CICO, Mapei, MC Bauchemie
8	Anchor Fastener, Rebar, Chemical/Mechanical fastener, Expandable fasteners	Hilti, Fisher, Wuerth, Mungo, Bosch
B	Interior/Exterior Finishes & Decorative Works	
1	Acrylic Washable Distemper	Asian Paints (Tractor Uno), Dulux (Magic), Nerolac (Beauty Little Master), Shalimar (No.1 PAD)
2	Acrylic Emulsion Paint (Interior)	Asian Paints (Royale Series/ Royale Aspira), Dulux (Velvet Touch Series/ Diamond Glo), Nerolac (Impressions Ultra HD), Shalimar (Signature super luxury interior enamel)
3	Acrylic Emulsion Paint (Exterior)	Asian Paints (Ultima Protek Duralife), Dulux (Weather shield Power flexx), Nerolac (Excel Everlast 12), Shalimar (weatherport)
4	Primer	(Asian Paints, ICI Dulux Nerolac) Compatible primer of approved brand and manufacture as per the respective finish paint manufacturer's specifications.
5	Synthetic Emulsion paint: Wood Finishes	Asian Paints (Apolite Advanced PU Enamel), Dulux (Gloss Stay Bright Enamel), Nerolac (PU Enamel 10 in 1), Shalimar (Superlac-Hi-Gloss Enamel)
6	Synthetic Emulsion paint Metal Finishes (Anti-Rust/High-Gloss Enamels):	Asian Paints (Apolite Rust shield PU Enamel), Dulux (Super gloss 5-in-1), Nerolac (Excel Everlast 12 (Enamel Edition), Shalimar (Superlac Hi-Gloss Enamel)
7	Decorative Paints/ Textured Finishes	Armourcoat, Ultratech Paints, Oikos, SKK(Decorative finish to be applied by manufacturer-approved applicator as per system specification, and approval of sample by Engineer-in-charge)
8	P.O.P. (Plaster of Paris)	J.K., Laxmi, Birla, Asian Paint, Sakarni
9	White Cement Based Putty	Birla Wall Care, J.K. Wall Care
10	Wood Polish	Asian Paints, Pidilite Industries, ICI Dulux, Wembley
11	Aluminum Composite Panels (ACP)	Aludecore, Alstone, Alstrong, Alucobond, Aluco Pan, Virgo, Alutech
12	Gypsum lightweight Plaster	Saint Gobain Gyproc (Elite-90), Ferrous Crete, USG Boral, Birla White, JK Lakshmi Plast
13	Ready mix plaster	UltraTech, Saint Gobain – Weber, Birla White, SIKA, Fosroc, Ferrouscrete
C	Doors, Windows & Hardware	
1	Block Board, Plywood, MDF Board	Century, Duro, Greenply, Merino, Action Tesa, Bhutan Tuff, Archid Ply
2	Lamination Sheet / Veneer	Century, Duro, Merino, Greenlam, Bhutan Tuff, Archid Ply
3	Flush Doors	Century / Greenply / Action Tesa / Sumai (Spacewood) / Orion / Duro / Jayna Doors of Jain wood Industries / Jain Doors Pvt. Ltd. / Bhutan tuff / Archid Ply

S.No.	Sub-Category / Item	Preferred Makes
4	UPVC Profiles	Saint Gobain, Koemmerling, Encraft, NCL VEKA, DUROPLAST, LG-HAUSYS, Aluplast, Fenesta, Pabros
5	Aluminum Sections	Jindal, Hindalco, Indalco, Indo-Alusys
6	Locks & Latches	Godrej, Dorset, Hafele, Geze, Dorma, Hardwyn
7	Hydraulic Door Closer	Hardwyn, Godrej, Dorma, Dorset, Hafele
8	UPVC Door/Windows Hardware	HIVIK, GU, HOPPE, YALE
9	Door windows fitting including Butt Hinges, Gravity Coordinator, Mortice Lock, Flush Bolt, Floor Socket, Door Bottom Seal, Delta Seal, PA Bracket, Armor Plate, Push Plate, Sign Plates, Mop Plate, KickPlate, D- TYPE PULL HANDLE, Flush Pullhandle, Door Stoppers: Stainless Steel (grade 304/316), Door Closer, Sliding Door Bolt, Mortice Sash Lock, Tower Bolt, Steel Strip etc.	Sigma, Bush, Dorset, Hettich, Dorma, Hardwyn Dormakaba, GEZE, Hafele, Kich
10	Glass, Tinted Glass, High Performance Glass, Reflective Glass, Lacquered/ Back painted glass	Saint Gobain, AIS, Modiguard (Gujarat Guardian), Sisecam, Pilkington
11	Frosted film	3M, Garware, Dupont, Saint Gobain
12	High Pressure Compact Laminate	Mikasa (Greenlam), Merino, Fundermax, Century
D	FLOORING	
1	Vitrified Tiles other than full body	RAK, Kajaria (Eternity), Restile, Somany
2	Full body Vitrified Tile	RAK, Kajaria, Somany, Restile
3	Tiles/ Stonefixing Adhesive (Only High performance, polymer modified, non-slip adhesive)	Ardex Endura, Kerakoll, STP, Saint Gobain - Weber, Ferrouscrete, Mapei,
4	Epoxy Grout/ Cementitious Grout for Flooring	Ardex Endura, Kerakoll, Saint Gobain - Weber, Pidilite, Ferrouscrete, Mapei, STP,
5	Polyurethane Concrete Flooring, Epoxy flooring, Self Levelling Flooring	BASF, Fosroc, Ardex Endura, Sika, Mapei, MC- bauchemie, Saint Gobain – Weber, STP
6	Wooden flooring - Engineered	Mikasa (Greenlam), Junckers, Havwoods, Parador (HIL), Pergo
7	Bamboo Wood Flooring	Epitome, Floor India & Eco green, Tim pack
8	Bamboo Wood Baffle false ceiling	Epitome, Armstrong, SAS
E	Furnishings & Accessories	
1	Curtain Fabric	G.M. Fabric, Neptune Furnishing, Shri Radhika Furnishing, New Castle, Bombay Dyeing
2	Sofa Fabric	Eden, Kundan, Bealene, GM, Velvolene, Nimoco
3	Foam / Cushion	Sleepwell, Kurl-on, MM Foam
4	Drapery Rod	Vista, MAC, Magnum
5	Modular Kitchen Accessories	Stallion, Sparkle Top, Hettich, Godrej, Hafele, Dorset, Blum, Kich, Hardwyn
6	Stainless Steel Railing	Kich, Dorma, Q Railing, Fitwell
F	Sanitary Systems	
1	Sanitary Wares	Jaquar, Kohler, Johnson, Cera, Parryware, Hindware (Italian), Roca, American Standard, Kohler, Grohe, TOTO, Geberit
2	Bathroom CP Fittings	Jaquar, Johnson, Marc, Cera, Kohler, Xen of Flora Steels Roca, Jaquar, Grohe, American Standard, TOTO
3	Kitchen Sink	Neelkanth, Jayna, Anupam, Nirali, Cera
G	Plumbing, Flow Control Systems	
1	M.S. Pipe	Jindal, Tata, APL Apollo
2	PVC/CPVC Pipe	Supreme, Astral, Ashirvad, Prakash, Finolex
3	G.I. Pipe	Jindal Hissar, Tata, Prakash Surya, Zenith

S.No.	Sub-Category / Item	Preferred Makes
4	G.I. Fittings	Unik, UK, Surya, Prakash
5	PVC Storage Tank	Sintex, Storex, Unitank, Sheetal, SPL Sintex, Supreme, Polyplast
6	PVC Cistern	Command, SteelBird, Duralite, Hindware, Coral
7	PTMT Fittings	Prayag, Wilson, Polytuf
8	Centrifugally Cast Iron Pipes	Neco, Truform, Techno Sales Corp., BIC, RPMF, SKF
9	AC Pipes (Mazza)	A Infrastructure Ltd., Apurva Vinimay Pvt. Ltd., Kanoria Sugar
10	Butterfly Valve	Intervalve, Audco, Zoloto, Sant, Kirloskar, Leader
11	NRV (Non-Return Valve)	Intervalve, Audco, Zoloto, Sant, Kirloskar, Leader
12	Sluice Valve	NewAge, Minimax, Sant, Zoloto
13	Sprinkler	NewAge, Minimax, SANT, HD.Viking, Victaulic
14	Sprinkler Bell	Agni, HD, Viking / Victaulic
15	Flow Switch	Agni, HD
16	Flexible Pipe	Agni, Padmini, Minimax, Tyco, Victaulic
17	Pressure Switch	NewAge, Minimax, Padmini
18	Pressure Gauge	NewAge, Omex, Minimax, Fiebig
H	Ceiling & Acoustical Systems	
1	Gypsum Board	St. Gobain, Gyproc, Boral, Everest, Gyptech
2	Calcium Silicate False Ceiling	Aerolite, Everest, NCL, Hilux, GYPTECH
3	GRG False Ceiling	Diamond Ceilings, Gyproc, USG Boral, Gyptech
4	Acoustical Wall Panelling	Armstrong, Gyptech, Hunter Douglas
I	Waterproofing & Chemical Treatments	
1	Waterproofing Compounds	Grace, Fosroc, BASF, Pidilite, CICO, SIKKA, MC Bauchemie, STP Ltd., Makphalt
2	Polymer Modified Cementitious Grout	Bal Endura, Laticrete, Ferrous Crete, Makphalt
3	Non-Shrink Cementitious Grout	Xypex, Fosroc, Krytone, Ferocrete, Makphalt
4	Adhesive / Epoxy Grout (for Floor/Stone)	Ferrous Crete, Ardex Endure (Goldstar), Pidilite (FevimateXI), MYK Laticrete, Weber, CICO
J	External Development & Site Works	
1	Chequered CC Tiles	Nitco, KK, Unistone, Dalal, Advent, ABC, Krishna, Kirti Spun Pipes
2	Interlocking Paver Blocks & Kerb Stones	NITCO, KK, Konkrete, Terra Firma, Dalal, Advent, Kirti Spun Pipes
3	Precast Cement Concrete Slab	Nitco, KK, Konkrete Products Co., Dalal, Kirti Spun Pipes
4	Precast RCC Manhole & Gully Trap Covers	KK, Konkrete, Pragati
5	Fibre Glass Sheet and Chajjas	Rooffit, Fibreways Technology, Simba

1. The contractor shall submit samples of three (03) different brands and designs from the preferred make list. The Engineer-in-Charge/Accepting Authority shall approve one of the submitted samples, and the contractor shall use the approved make and design for execution of the work
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 materials 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. 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

Name of Work:- Up-gradation to Various Bungalows under 1/E Sub Division CPWD, New Delhi during 2026-27(SH: Various External Development Works).

S.No.	Description of items	Qty	Unit	Rate	Amount
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
1.1	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	10	Cum	7878.50	78785.00
1.2	1:5:10 (1 Cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	30	Cum	6518.60	195558.00
2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :				
2.1	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	0.5	Cum	10852.95	5426.00
3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	5	Cum	11505.50	57528.00
4	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
4.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.	100	Kg	107.85	10785.00
5	Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in:				
5.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	28	Cum	6504.90	182137.00
6	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 :				
6.1	Float glass panes				
6.1.1	5.0 mm thick glass panes (weight not less than 12.50 kg/sqm).	25	Sqm	2600.45	65011.00
7	Providing and fixing Bamboo jaffery/ fencing consisting of superior quality 25mm dia (Average) half cut bamboo placed vertically and fixed together with three numbers horizontal running members of hollock wood in scantling of section 50X25 mm, fixed with nails and G.I wire on existing support complete as per direction of Engineer-in-charge.	70	Sqm	689.40	48258.00
8	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.				

S.No.	Description of items	Qty	Unit	Rate	Amount
8.1	Hot finished welded type tubes	900	Kg	194.40	174960.00
9	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.				
9.1	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	800	Kg	172.60	138080.00
10	Providing and laying full body vitrified tile in floor of minimum thickness 15mm with water absorption less than 0.06% and conforming to IS:15622 of approved make, brand and manufacturer, laid on 20 mm thick base cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @ 3.30 kg / sqm including grouting the joints with white cement and matching pigments etc. The slab must be cut with the zero chipping diamond cutter only. Laying of slab will be done with the help of notch trowel, wedge, clips of required thickness, vacuum cups for lifting, leveling system and rubber mallet for placing the slab gently and easily. Size of tile 800 x 2400 mm of all colours and shades.	200	Sqm	3623.95	724790.00
11	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.				
11.1	Single tee with door				
11.1.1	110x110x110 mm	10	Each	234.15	2342.00
11.2	Single tee without door				
11.2.1	110x110x110 mm	10	Each	221.35	2214.00
11.3	Bend 87.5°				
11.3.1	110 mm bend	20	Each	150.35	3007.00
12	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all				

S.No.	Description of items	Qty	Unit	Rate	Amount
	heights as per specifications, drawings and as directed by Engineer-in-charge.				
12.1	GI Metal Ceiling Lay in perforated Tegular edge global white color tiles of size 595x595 mm and 0.5 mm thick with 8 mm drop; made of GI sheet having galvanizing of 100 gms/sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC (Noise Reduction Coefficient) of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation, and backed with a black Glass fiber acoustical fleece.	50	Sqm	2068.75	103438.00
13	15 mm cement plaster on rough side of single or half brick wall of mix:				
13.1	1:4 (1 cement: 4 coarse sand)	700	Sqm	411.75	288225.00
14	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:				
14.1	New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre /10 sqm)	800	Sqm	171.10	136880.00
15	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
15.1	Two or more coats on new work	200	Sqm	155.90	31180.00
16	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.	800	Sqm	156.05	124840.00
17	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
17.1	One or more coats on old work	100	Sqm	102.80	10280.00
18	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.				
18.1	With cement mortar 1:4 (1cement: 4 coarse sand)	100	Sqm	560.50	56050.00
19	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
19.1	For thickness of tiles 10 mm to 25 mm	200	Sqm	73.40	14680.00
20	Demolishing thatch roofing including mats, bamboo, jaffari etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	70	Sqm	57.70	4039.00
21	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.	700	Sqm	54.65	38255.00
22	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	30	Sqm	972.00	29160.00

S.No.	Description of items	Qty	Unit	Rate	Amount
23	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	2	Cum	10117.60	20235.00
24	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall				
24.1	25 mm nominal dia Pipes	100	Metre	401.55	40155.00
24.2	40 mm nominal dia Pipes	20	Metre	702.95	14059.00
25	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.				
25.1	20 mm nominal dia Pipes	10	Metre	537.60	5376.00
26	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
26.1	25 mm nominal bore	5	Each	622.40	3112.00
26.2	40 mm nominal bore	5	Each	826.10	4131.00
27	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:				
27.1	100x100 mm size P type				
27.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	5	Each	2707.65	13538.00
28	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (Zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :				

S.No.	Description of items	Qty	Unit	Rate	Amount
28.1	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :				
28.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	5	Each	12770.55	63853.00
29	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 :				
29.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	5	Each	5957.90	29790.00
30	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
30.1	For fixed portion				
30.1.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	200	Kg	530.90	106180.00
30.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
30.2.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	50	Kg	634.45	31723.00
31	Providing and fixing hard drawn steel wire fabric 75 x 25mm mesh of weight not less than 7.75 kg per sqm to window frames, etc. including i/c welding, priming coat of approved steel primer all complete.				
31.1	With new hard drawn steel wire fabric.	100	Sqm	1489.85	148985.00
32	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :				
32.1	110 mm inlet and 110 mm outlet				
32.1.1	PVC 110mm	10	Each	1857.45	18575.00
33	Providing and fixing unplastic PVC seal fit pipes (Supreme Make or equivalent) of confirming to IS 4985:2000 6kg/Cm2 working pressure class 3 including jointed with seal rings confirming to IS 5382 leaving 10 mm gap for thermal expansion(a) single socket pipes				
33.1	110mm dia	60	Metre	795.60	47736.00

S.No.	Description of items	Qty	Unit	Rate	Amount
34	Providing and fixing waterproof window canopy awning of "Mac/ Vista" or equivalent make having waterproof fabric of waterproof serge "ferrari/dickson" or equivalent make and having foldable/retractable powder coated aluminum bracket and channel awning mechanism, and overlap of the same fabric at the edges so as to cover the side gaps i/c fabric for awning, aluminum structure and mechanism, fabric for overlap, fixing charges etc all complete as per the directions of engineer in charge(Total front and top overlap plan shall be measured for measurement purpose)	50	Sqm	12666.10	633305.00
35	Disposal of building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical means including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge., beyond 50m lead for lead upto 20km.	50	Cum	525.15	26258.00
36	Providing and fixing sandwich panels, total thickness 40 (40/50) mm,with rigid PUF Injected CFC free polyurethane foam as insulation cladded with Corrugated sheet on TOP side off white colour 0.5 MM & 0.5 MM PPGI sheet on other side having approved colour with RMP Coating and Protective Guard Film and Puf Density 40±2kg/m3 excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. The top and bottom skin shall be of JSW/TATA/Bhushan/LLoyd's make and polyurethane foam shall be BASF/Bayer. The Sandwich panel shall conform to DIN 4162 Standards and flame rate as per ASTM E 084 of Class B3 as minimum with necessary self tapping screws.	50	Sqm	4870.85	243543.00
	GST correction @ 0.973 (Ref. DG OM No.158/SE (TAS)/GST/2024/02-E dated 08/08/2024 for DSR Item No.01 to 30			2858060.00	2780892.00
	Add Cost index on DSR Items 01 to 30 @ 4.03%				112070.00
	Total (A) DSR Items				2892962.00
	Total (B) Non-DSR Item No.31 to 36			1118402.00	1118402.00
	Total (A+B)				4011364.00

PROFORMA FOR QUOTING TENDER PERCENTAGE

Central Public Works Department					
N.I.T. No: 29/EE/E-Div./ 2026-27					
Name of work:-- Up-gradation to Various Bungalows under 1/E Sub Division CPWD, New Delhi during 2026-27(SH: Various External Development Works).					
SCHEDULE OF QUANTITY					
Name of the Contractor					
Sl.No.	Name of component	Estimated cost	Percentage above or below the estimated cost	% in Figures	Total Cost
1	Civil Works	4011364.00			
	Grand Total	4011364.00			

Note:

1. The Column Nos 4 & 5 are mandatory to be filled by the bidders/ tenderers. If all these columns are left blank, the tender become invalid.
2. The amount in figures in column No.6 shall appear automatically corresponding to the percentage quoted in column No.4 & 5.
3. The tenderer is required to quote the percentage only above or below or at par with the estimated cost to cover all the rates of item covered under the respective packages.
4. The percentage shall be written in 2 (two) place of decimal.
5. If the percentage selection in column No 4 is "At Par", by default the percentage will be considered as "Zero" only. In other words if "At par" is selected in column No.4, then no need to fill column No.5
6. The rate quoted is inclusive of all applicable taxes, royalty, levy or cess such as Income Tax, GST, Labour Cess etc.

-Sd/-**Executive Engineer**E-Division, CPWD
South Block, New Delhi