

विषय सूची (INDEX)

कार्य का नाम:- **Structural Repair & Rehabilitation work in various type of Qtrs. at Sector-7, R.K. Puram, New Delhi during 2026-27.**
(Tender Id:- 170047)

NIT No.:- 37/CE/NDZ-3/2026-27 and 72/EE/M-Div./2026-27 (2nd Call)

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प्रमाणित किया जाता है कि इस निविदा में कुल 1 से 66 पृष्ठ हैं। (इस पृष्ठ सहित)

Certified that this N.I.T. contains 1 to 66 pages (including this page)

“NIT approved for Rs. 7,69,67,489/- (Rupees Seven Crore Sixty-Nine Lakh Sixty-Seven Thousand Four Hundred Eighty-Nine only)”

**INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING FORMING
PART OF BID DOCUMENT**

The Executive Engineer, “M” Division, CPWD, 8th & 9th Floor, Sewa Bhawan, R.K. Puram, New Delhi-110066 on behalf of President of India invites online **Percentage rate bids** from CPWD enlisted contractors of appropriate class in Buildings & Roads (erstwhile composite /Building/Infrastructure) category and Specialized firms/contractors of repute in **Two Bid System** for the following work:-

S. No.	NIT No.	Name of work & location	Estimated cost put to bid	Earnest Money	Period of Completion	Last date & time of submission of bid, EMD,e-tender processing fee and other documents as specified in notice inviting tender	Time & date of opening of technical bid
1	2	3	4	5	6	7	8
1	37/CE/NDZ-3/2026-27 and 72/EE/M-Div./2026-27 (2nd Call)	Structural Repair & Rehabilitation work in various type of Qtrs. at Sector-7, R.K. Puram, New Delhi during 2026-27. (Tender Id:- 170047)	Rs. 7,69,67,489/-	Rs. 15,39,350/-	08 (Eight) Months	Upto 3:00 PM on 23.10.2026	At 3:30 PM on 23.10.2026

(-*- to be filled by EE)

- Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted. [1(b), 1(c) & 1(d) are not applicable for CPWD enlisted contractors of appropriate class.

(a) Should have satisfactorily completed the works as mentioned below during the last Seven years ending last day of the month previous to the one in which tenders are invited.

Three similar works each costing not less than **Rs. 3,07,86,996/-**

or

Two similar works each costing not less than **Rs. 4,61,80,493/-**

or

One similar work costing not less than **Rs. 6,15,73,991/-**

Similar work shall mean works of **“STRUCTURAL REPAIR & REHABILITATION WORK”**

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to previous day of last day of submission of tenders.

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

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

(b) Should have had **Average Annual Financial Turnover of Rs. 2,30,90,247/-** on construction works during the last three years **ending 31st March 2025** [Scanned copy of Certificate from CA with Unique Document Identification Number (UDIN) to be uploaded]. The value of annual turnover figures shall be brought to the current value by enhancing the actual turnover figures at simple rate of 7% per annum. (OM No. DG/SOP 2022/07 dated 09.11.2022)

(c) Should not have incurred any loss (profit after tax should be positive) in more than two years during the last five years ending **31st March 2025**.

(d) Should have a Banker's Certificate from a commercial Bank for **Rs. 3,07,86,996/-**
or

Net Worth certificate from CA with Unique Document Identification Number (UDIN) of minimum 10 % amount of ECPT (Scanned copy of original to be uploaded).

(e) The bidder should not be currently debarred or blacklisted by any Central or State Government agency.

2. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
3. Information and Instructions for bidders posted on website shall form part of bid document.
4. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website **<https://etender.cpwd.gov.in> or www.cpwd.gov.in** free of cost.
5. But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD, within the period of bid submission and upload the mandatory scanned documents such as Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks, towards EMD in favour of **EXECUTIVE ENGINEER, "M" Division, CPWD, 8th & 9th Floor, Sewa Bhawan, R.K. Puram, New Delhi** as mentioned in NIT, receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE/AE), CPWD and other documents as specified.
6. Those contractors who have 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 <http://etender.cpwd.gov.in>.

7. The intending bidder must have valid class-III digital signature certificate with encryption key (combo type) to perform any operations/transactions on the e-tendering portal/website and the bidder should download and install the eMsigner on their system as per instructions available on download section of <https://etender.cpwd.gov.in>.
8. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
9. Contractor can upload documents in the form of JPG format and PDF format.
10. Certificate of Financial Turn Over: At the time of submission of bid contractor may upload Affidavit/Certificate from CA mentioning Financial Turnover of last 7 years or for the period as specified in the bid document and further details if required may be asked from the contractor after opening of technical bids. There is no need to upload entire voluminous balance sheet.
11. Contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appears in yellow colour and the moment rate is entered, it turns sky blue. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO). However, If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
12. The Technical Bid shall be opened first on due date and time as mentioned above. The time and date of opening of financial bid of contractors qualifying the technical bid shall be communicated to them at a later date.
13. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
14. ~~SC/ST contractors enlisted under class V category are exempted from processing fee payable to ITI.~~
15. ~~Pre Bid conference shall be held in the chamber of Chief Engineer, NDZ III, Sewa Bhawan, CPWD, R.K. Puram, New Delhi - 110066 at*.....on to clear the doubt of intending bidders, if any.~~

(* to be filled by EE)

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

(if any agency failed to upload the scanned copies of the following documents then his/her/their tender shall be treated as rejected)

- I. PAN Card issued by Income Tax Department, GOVT OF INDIA.
- II. Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks against EMD.
- III. Copy of receipt for deposition of original EMD issued from division office of any Executive Engineer (including NIT issuing EE/AE), CPWD. (As per performa at Page No. 22)
- IV. Enlistment Order of Buildings & Roads category of CPWD Contractor (Applicable only for CPWD enlisted contractors).

- V. GST registration Certificate of State in which the work is to be taken up, if already obtained by the bidder. If the bidder has not obtained GST registration in the State in which the work is to be taken up, or as required by GST authorities, then in such a case the bidder shall scan and upload following under taking along with other bid documents. “If work is awarded to me, I/we shall obtain GST Registration Certificate of the State, in which work is to be taken up, 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 a/c of the work executed and /or for any action taken by CPWD or GST department in this regard.
- VI. Contractor’s contact Mobile number and E mail ID on a separate sheet.
- VII. FORM - ‘C’ showing the details of eligible similar nature of works completed during the last seven years as per eligibility criteria.
- VIII. Experience/Performance Certificate in Form-D format, issued by an authority not below the rank of Executive Engineer or equivalent, shall be submitted for the works mentioned in Form-C. If the Experience Certificate does not clearly indicate the name/nature of the similar work as per Eligibility Criteria and the amount/value of the civil work executed, the agency shall submit the Final Bill BOQ/Abstract of Final Bill for verification of the eligible similar work and its value. Failure to submit the required documents shall result in disqualification of the agency.
- IX. Certificate of average Annual Financial Turnover during the immediate last five consecutive financial years duly Certified by Chartered Accountant as per Form -A.
- X. Banker’s certificate issued by any Scheduled Bank on prescribed Form-B or Net Worth Certificate on prescribed Form-B1 issued by Certified Chartered Accountant.
- XI. Affidavit as per provisions of clause 1.2.2 & 1.2.3 of CPWD-6. (On stamp paper of value Rs. 100/-, duly notarized).
- XII. An undertaking that “I/We have currently not been debarred or blacklisted by any Central Government Agency” (On stamp paper of value Rs. 100/-, duly notarized).
- XIII. ERP training Certificate. (Note: The enlisted Contractor will not be allowed to participate in the tendering process without uploading the certificate of ERP training w.e.f. 01.07.2024)
- XIV. An undertaking that confirms I/We has/have read GENERAL CONDITIONS (S.No. 26 to 31 at Page-31 & 32) carefully and understand the financial implication on account of these and have quoted our rate accordingly.

(Note: - All the under taking shall be uploaded duly signed by the contractor/ their authorized representatives on the letter head of agency).

Note: - Mandatory documents at S. No. IX, X & XI are not applicable for CPWD enlisted contractors of appropriate class in Buildings & Roads category.

CPWD-6 FOR e-TENDERING

1. Percentage rate online bids are invited on behalf of President of India from CPWD enlisted contractors of appropriate class in Buildings & Roads (erstwhile composite /Building/Infrastructure) category and Specialized firms/contractors of repute in **Two Bid System** for the following work:- **Structural Repair & Rehabilitation work in various type of Qtrs. at Sector-7, R.K. Puram, New Delhi during 2026-27.**

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. 7,69,67,489/-**. This estimate, however, is given merely as a rough guide.
- 1.2 Intending bidders is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:-
 - 1.2.1 Criteria of eligibility for submission of bid documents
 - (a) Should have satisfactorily completed the works as mentioned below during the last Seven years ending last day of the month previous to the one in which tenders are invited.

Three similar works each costing not less than **Rs. 3,07,86,996/-**

or

Two similar works each costing not less than **Rs. 4,61,80,493/-**

or

One similar work costing not less than **Rs. 6,15,73,991/-**

Similar work shall mean works of **“STRUCTURAL REPAIR & REHABILITATION WORK”**

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to previous day of last day of submission of tenders.

- (b) Should have had **Average Annual Financial Turnover of Rs. 2,30,90,247/-** on construction works during the last three years **ending 31st March 2025** (Scanned copy of Certificate from CA with Unique Document Identification Number (UDIN) to be uploaded). The value of annual turnover figures shall be brought to the current value by enhancing the actual turnover figures at simple rate of 7% per annum. (OM No. DG/SOP 2022/07 dated 09.11.2022)
- (c) Should not have incurred any loss (profit after tax should be positive) in more than two years during the last five years ending **31st March 2025**.
- (d) Should have a Banker's Certificate from a commercial Bank for **Rs. 3,07,86,996/-** or Net Worth certificate from CA with Unique Document Identification Number (UDIN) of minimum 10 % amount of ECPT (Scanned copy of original to be uploaded).
- (e) The bidder should not be currently debarred or blacklisted by any Central or State Government Agency.

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

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

1.2.3 it is mandatory for non CPWD contractors and CPWD contractors to upload the work experience certificate(s) and the affidavitas per the provisions of **clause 1.2.2.**

2. Agreement shall be drawn with the successful bidder 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 <https://etender.cpwd.gov.in> or www.cpwd.gov.in. Bidder shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be 08 (Eight) Months from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. The site for the work shall be available in parts block wise.
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 from website <https://etender.cpwd.gov.in> or www.cpwd.gov.in free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
8. When bid 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 in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks (drawn in favour of **Executive Engineer, "M" Division, CPWD, R.K. Puram, New Delhi**) shall be scanned and uploaded to the e-Tendering website within the period of bid submission. **The original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.**

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

A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee including e- Bank Guarantee of any Commercial bank having validity for a period of 90 days for single bid works

and 180 days for two bid system or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders. The earnest money given by all the tenderers except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier. However, in case of two/ three bid system, earnest money deposit of bidders unsuccessful during technical bid evaluation etc. should be returned within 30 days of declaration of result of technical bid evaluation.

Interested contractor who wish to participate in the bid has also to make following payments within the period of bid submission:

- (i) **e-tender Processing Fee** – One time payment for new registration or renewal <https://etender.cpwd.gov.in> validity One year

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

Online bid documents submitted by intending bidders shall be opened only of those bidders, **whose EMD deposited with any division office of CPWD and other documents scanned and uploaded are found in order.**

The technical bid submitted shall be opened at **3:30 PM**. On **23.10.2026**.

10. The bid submitted shall become invalid and cost of e-tender processing fee shall not be refunded if:

- (i) The bidder is found ineligible.
- (ii) The bidder does not deposit original EMD with division office of any Executive Engineer, CPWD.
- (iii) The bidder does not upload all the documents, as mentioned in information for bidders at **S.No. 16 (Page-5 & 6)**, including GST registration Certificate of State in which the work is to be taken up, if already obtained by the bidder. If the bidder has not obtained GST registration in the State in which the work is to be taken up, or as required by GST authorities, then in such a case the bidder shall scan and upload following undertaking along with other bid documents. “If work is awarded to me, I/we shall obtain GST Registration Certificate of the State, in which work is to be taken up, 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 a/c of the work executed and /or for any action taken by CPWD or GST department in this regard.
- (iv) 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 tender opening authority.
- (v) 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.

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

11. The contractor whose bid is accepted, will be required to furnish **performance guarantee as mentioned in Schedule ‘E’ (a) 5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher). (b) As per GCC OM No. DG/CON/Maintenance 2023/18 dated 27.02.2026 along with amendments issued up to previous day of the last date of submission of the tender from the office of DG, CPWD** within the period as indicated in Schedule ‘F’, including the extended period if any, then EMD submitted shall be forfeited automatically without any notice to the contractor. The Earnest Money deposited alongwith the bid shall be returned after receiving the aforesaid Performance Guarantee.

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

12. The letter of award shall be issued to the lowest contractor only on receipt of applicable labour licenses, registration with EPFO, ESIC and BOCW welfare board or on submitting the proof of applying thereof.
13. No running account bill shall be paid for the work till the applicable labour licenses, registration with EPFO, ESIC and BOCW welfare board, whatever application are received from the contractor by the Engineer in Charge.
14. The contractor shall submit programme chart (time and progress) for each mile stone along with performance guarantee and get it approved from the department. The chart shall be prepared in direct relation to the time stated in the contract documents for completion of the items of the work. It shall indicate the forecast of the dates of commencement and completion of various trades of sections of the work and may be amended as necessary by agreement between the Engineer in Charge and the contractor within the limitations of time imposed in the contract documents, and further to ensure good progress during the execution of the work. The contractor shall in all cases in which time allowed for any work exceeds one month (save for special job for which a separate program has been agreed upon) complete the work as per milestone given in Schedule “F”.
15. 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 bids. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The Bidder shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done

and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

16. 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 bidder shall be summarily rejected.
17. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable to rejection.
18. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the tender and the bidder shall be bound to perform the same at the rate quoted.
19. 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.
20. No Engineer of gazetted rank or other gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.
21. The bids for the work shall remain open for acceptance for a period of **30 (thirty) days** 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 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - (ii) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department after expiry of 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - (iii) In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.

- (iv) Withdrawal of the tender, by the tenderer, shall only be made through e-tender portal. Any other method i.e. through letter / e-mail etc. shall not be considered.
22. 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 **Fifteen Days (15 days)** from the stipulated date of start of the work, sign the contract consisting of:
- 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.
 - Standard C.P.W.D. Form- 7 or other Standard C.P.W.D. Form as mentioned.

23. ~~Composite Bids~~

~~23.1 The Executive Engineer “M” Division, CPWD, East Block IV, Level VII, R.K. Puram, New Delhi 110066 will call bids for the composite work. The cost of bid document and Earnest Money will be fixed with respect to the combined estimated cost put to tender for the composite bid.~~

~~23.2 The bid document includes following three components:~~

~~**Part A:** CPWD 6, CPWD 7/8 including schedule A to F for the major component of the work, Standard General Conditions of Contract for CPWD 2020 (For Construction Work) as amended/modified up to date correction slip issued up to the date of online submission of tender~~

~~**Part B:** General / specific conditions, specifications and schedule of quantities applicable to major component of the work.~~

~~**Part C:** Schedule A to F for minor component of the work (competent authority under clause 2 and clause 5 shall be same authority as mentioned in schedule A to F for major components), General/specific conditions, specifications and schedule of quantities applicable to minor component(s) of the work.~~

~~23.3 The bidders must associate himself, with agencies as per NIT conditions.~~

~~23.4 The eligible bidders shall quote rates for all items of major component as well as for all items of minor components of work.~~

~~23.5 After acceptance of the bid by competent authority, the EE in charge of major component of the work shall issue letter of award on behalf of the President of India. After the work is awarded, the main contractor will have to enter into one agreement with EE incharge of major component and has also to sign two or more copies of agreement depending upon number of EE's/DDH incharge of minor components. One such signed set of agreement shall be handed over to EE/DDH incharge of minor component(s). EE of major component will operate Part A and Part B of the agreement. EE/DDH incharge of minor component(s) shall operate Part C alongwith Part A of the agreement.~~

~~23.6 Entire work under the scope of composite bid including major and all minor components shall be executed under one agreement.~~

~~23.7 Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works.~~

~~23.8 The main contractor has to associate agencies for specialized component(s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such agency(s) to Engineer in Charge of relevant component(s) within prescribed time. Name of the agency(s) to be associated shall be approved by Engineer in Charge of relevant component(s).~~

- ~~23.9 In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer in Charge of relevant specialized component(s).
The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer in Charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.~~
- ~~23.10 The main contractor has to enter into MoU with agency(s) associated by him. Copy of such MoU shall be submitted to EE/DDH in charge of each relevant component as well as to EE in charge of major component. In case of change of associate contractor, the main agency(s) has to enter into MoU/agreement with the new contractor associated by him.~~
- ~~23.11 Running payment for the major component shall be made by EE of major discipline to the main contractor. Running payment for minor components shall be made by the Engineer in Charge of the discipline of minor component directly to the main contractor. The CMB shall be maintained independently by Engineer in Charge of major and minor components.~~
- ~~23.12(a) The composite work shall be treated as complete when all the components of the work are complete. The completion certificate of the composite work shall be recorded by Engineer in Charge of major component after record of completion certificate of all other components.~~
- ~~23.12(b) Final bill of whole work shall be finalized and paid by the EE of major component. Engineer(s) in charge of minor component(s) will prepare and pass the final bill for their component of work and pass on the same to the EE of major component for including in the final bill for composite contract.~~
24. GST or any other tax applicable in respect of inputs procured by the contractor for this contract shall be payable by the Contractor and Government will not entertain any claim whatsoever in respect of the same. However, component of GST at time of supply of services (as provided in CGST Act 2017) provided by the contract shall be varied if different from that applicable on the last date of receipt of tender including extension if any.
25. The intending bidders are required to update their profile in CPWD e- tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile / uploading tender can be resolved through the concerned Executive Engineer/ Assistant Engineer (Phone no....., e- mail Id *.....) or ERP help line no. 18001803286 or e-mail Id cpwd.support@techmahindra.com. The e- tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.

**Signature of the Divisional Officer,
For and on behalf of the President of India**

(-*- to be filled by EE)

CPWD-7
GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE : Delhi
BRANCH : B&R

DIVISION : "M" Division
ZONE : NDZ-III

Percentage Rate Bid & Contract for Works

Bid for the work of: Structural Repair & Rehabilitation work in various type of Qtrs. at Sector-7, R.K. Puram, New Delhi during 2026-27.

(i) To be submitted online by 3:00 P.M. on 23.10.2026 to The Executive Engineer, "M" Division, CPWD, 8th & 9th Floor, Sewa Bhawan, R.K. Puram.

(ii) To be opened online in presence of Bidders who may be present at 3:30 P.M. on 23.10.2026 in the office of The Executive Engineer, "M" Division, CPWD, 8th & 9th Floor, Sewa Bhawan, R.K. Puram.

Issued toxxx..... (Name of contractor)

Signature of officer issuing the documentsxxx.....

DesignationExecutive Engineer, "M" Division,

Date of Issue ...xxx.....

(xxx to be filled by EE)

BID

I/We have read and examined the notice inviting bid, schedule A, B, C, D, E & F Specifications applicable, Drawings & Designs, General rules & directions, Conditions of contract, clauses of contract, special conditions, schedule of rates, other documents and rules referred to in the conditions of contract and all other contents in the bid document for the work.

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

We agree to keep the tender open for **Seventy-Five (75 days) from the date of opening of bids** and not to make any modification in its terms and conditions.

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

A copy of earnest money deposit receipt of prescribed amount deposited in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks is scanned and uploaded (strike out as the case may be). If I/We, fail to furnish the prescribed performance guarantee within prescribed period. I/We agree that the said President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that

President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely.

The said performance guarantee shall be guarantee to execute all the works referred to in the bid documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the bid form. Further, I/We agree that in case of forfeiture of Earnest Money & 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 bid documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived therefrom to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated: **xxx**

Signature of Contractor **xxx**

Witness: **xxx**

Postal Address **xxx**

Address: **xxx**

Occupation: **xxx**

(xxx to be filled by the contractor)

ACCEPTANCE

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

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

(a) **xxx**

(b) **xxx**

For & on behalf of President of India

Signature **xxx**

Dated:

Designation **xxx**

(xxx To be filled by Executive Engineer)

PROFORMA OF SCHEDULES

SCHEDULE 'A'

Schedule of quantities (as per CPWD-3) **As per Schedule enclosed (Page 60 To 65)**

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

S. 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. ---- **NIL** ----

SCHEDULE 'E'

Reference to General Conditions of contract:

GCC Maintenance Works- 2023 for CPWD works along with correction slips/amendments issued up to previous day of the last date of submission of the tender from the office of DG, CPWD.

Name of Work:- Structural Repair & Rehabilitation work in various type of Qtrs. at Sector-7, R.K. Puram, New Delhi during 2026-27.

- | | |
|--------------------------------------|--|
| i) Estimated cost of work | : Rs. 7,69,67,489/- |
| ii) Earnest Money | : Rs. 15,39,350/- (to be returned after receiving Performance guarantee) |
| iii) Performance Guarantee | : 5% of tendered value or Estimated Cost Put to Tender whichever is higher. |
| iv) Additional Performance Guarantee | : Additional PG shall be deposited if bid is lesser than 80% of ECPT in additional to standard PG. The amount of APG shall be equivalent to the difference between the 80% amount of ECPT and quoted amount. (e.g. if ECPT is A and quoted amount is 0.7A then the amount of APG shall be 0.8A-0.7A. |
| v) Security Deposit | : 2.5% of tendered value |

SCHEDULE 'F'

GENERAL RULES & DIRECTIONS:

Officer inviting bid

**: Executive Engineer,
"M" Division, CPWD,
8th & 9th Floor,
Sewa Bhawan, R.K. Puram**

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

See relevant clause

Definitions:

2(v) Engineer-in-Charge

**Executive Engineer,
"M" Division, CPWD,
8th & 9th Floor,
Sewa Bhawan, R.K. Puram**

2(vi) Accepting Authority

**Chief Engineer,
NDZ-III, CPWD,
R.K. Puram, New Delhi**

2(vii) Percentage on cost of materials and
Labour to cover all overheads and profits

15%

2(viii) Standard Schedule of Rates

**DSR 2023 Volume-I & II (Civil
works) with amendments up to
last date of submission of bid**

2(ix) Department

**Central Public Works
Department**

9 (ii) Standard CPWD Contract Form

**GCC 2023 CPWD Form 7 for
Maintenance Works as Modified
and corrected upto last date of
receipt of Tender.**

Clause 1

(i) Time allowed for submission of
Performance Guarantee, Programme
Chart (Time & Progress) and applicable
Labour Licenses, registration with EPFO,
ESIC and BOCW Welfare Board or proof
of applying thereof from the date of issue
of letter of acceptance.

7 days

(ii) (ii) Maximum allowable extension with
late fee @ 0.1% per day of performance
guarantee amount beyond the period
provided in (i) above

3 days

Clause 2

Authority for fixing compensation under clause- 2

**Chief Engineer,
NDZ-III, CPWD,
Sewa Bhawan, R.K. Puram**

Clause 2A

Whether Clause 2A shall be applicable

As per Modified Provision of GCC 2023 for maintenance work.**Clause 5**

Number of days from the date of issue of letter of acceptance for reckoning date of start

10 days or as decided by Engineer-in-charge**Clause 5.1**

The contractor shall submit a Programme chart (Time and Progress) for each milestone along with performance guarantee and get it approved by the Department. The Chart shall be prepared in direct relation to the time stated in the Contract documents for completion of items of the works. It shall indicate the forecast of the dates of commencement and completion of various trades of sections of the work and may be amended as necessary by agreement between the Engineer-in-charge and the contractor within the limitations of time imposed in the contract documents, and further to ensure good progress during the execution of the work, the contractor shall in all cases in which the time allowed for any work, exceeds one month (save for special jobs for which a separate programme has been agreed upon) complete the work as per mile stones given in schedule 'F'.

Mile stone(s) as per table given below: -

S. No	Description of Milestone (Financial)	Time allowed in Days (from date of start)	Amount to be withheld in case of non-achievement of milestone
1	1/8th (of whole work)	1/4th (of Stipulated period)	In event of non-achieving the desired progress 1.25% of the Tendered value of the work shall be withheld for the failure of each milestone.
2	3/8th (of whole work)	1/2 th (of Stipulated period)	
3	3/4 th (of whole work)	3/4th (of Stipulated period)	
4	Complete work	Stipulated period	

Time allowed for execution of work**08 (Eight) Months****Authority to decide:**

- (i) Authority to convey the decision of : **Executive Engineer, M-Division, CPWD, 8th & 9th Floor, Sewa Bhawan, R.K. Puram, New Delhi.**
shifting of milestone and extension of time.
- (ii) Authority to decide rescheduling of : **Chief Engineer, N.D.Z. – III or his successor, Sewa Bhawan, CPWD, R K Puram, New Delhi.**
milestone and extension of time.
- (iii) Shifting of date of start in case of : **Chief Engineer, N.D.Z. – III or his successor, Sewa Bhawan, CPWD, R K Puram, New Delhi.**
delay in handing over of site

Clause 6

Mode of measurement

- (a) **Electronic Measurement Book (EMB)**
(b) **Jointly by department and contractor**

Clause 7

Gross work to be done together with net payment /adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment

Rs. **1.28 Cr.**

Clause 7A

Whether Clause 7A shall be applicable

Yes

Clause 10A

List of testing equipment to be provided by the contractor at site lab: **As per requirement of work at site**

Clause 10B (ii)

Whether Clause 10 B (ii) shall be applicable

N.A.

Clause 10C

Components of labour expressed as percent of value of work

Applicable

- i. 25% for civil component
- ii. 100% for labour supply
- iii. Not applicable on supply of material

Clause 10CC

: Not Applicable

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

: 12 Months

~~Schedule of component of other Materials, Labour, P.O.L etc. for price escalation.~~

~~Component of civil /Electrical construction Materials expressed as percent of total value of work. ————— X_m = 75%~~

~~Component of Labour— expressed as percent of total value of work. ————— Y = 25%~~

~~Component of P.O.L.— expressed as percent of total value of work. ————— Z = NIL~~

Note:— X_m.....% should be equal to (100)– (Component of labour + Component of P.O.L)

Clause 11

Specifications to be followed for execution of work:

CPWD specification 2019, Volume-I & II modified & corrected up to date.

Clause 12

Authority to decide deviation up to 1.5 times of the tendered amount.

**Chief Engineer, NDZ-III, CPWD,
R.K Puram, New Delhi**

Type of work

Maintenance Work

12.3

(i) Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for building work

No Limit

- 12.5**
- (i) Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (Except earth work) No Limit
- (ii) Deviation Limit for items in earth work subhead of DSR or related items No Limit

Clause 16

Competent Authority for deciding reduced rates

Chief Engineer, NDZ-III, CPWD,
R.K. Puram, New Delhi

Clause 18

List of mandatory machinery, tools & plants to be deployed by the contractor at site:

As per requirement at site & as per direction of Engineer-in-Charge.

Clause 25

Settlement of Disputes by Conciliation and Arbitration:

Conciliator	-	Additional Director General (Delhi Region)
Arbitrator appointing Authority	-	Chief Engineer, NDZ-III
Place of Arbitration	-	New Delhi

Clause 32

Requirement of Technical Representative(s) and recovery Rate

S. No.	Minimum Qualification	Discipline	Designation	Minimum Experience (in Years)	Number	Rate per month at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 32(i)	
						Figures	Words
1	Graduate Engineer	Civil	Project Manager	5 (and having experience of one similar nature of work)	1	Rs. 25,000/ Per Month	Rupees Twenty-Five Thousand Per Month
2	Graduate Engineer or Diploma Engineer	Civil	Project/ Planning/Quality / Billing Engineer	2 or 5 respectively	1+1	Rs. 15,000/ per Month per person	Rupees Fifteen Thousand Per Month per person

Clause 38

- (i) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates **DSR 2023 modified & corrected up to date.**
- (ii) **Variations permissible on theoretical quantities:**
- a. **Cement**
- For works with estimated cost put to bid not more than Rs.25 lakh. **3% plus/minus.**

For works with estimated cost put to bid more than Rs.25 lakh.

2% plus/minus.

b. Bitumen 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

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

- ~~1. Set of standard sieves.~~
- ~~2. Concrete cube moulds 6 Nos.~~
- ~~3. Slump cone.~~
- ~~4. Weighing equipment.~~
- ~~5. Measuring glass.~~
- ~~6. Any other equipment required at site as per item execution.~~

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 (Rate in schedule 'B' plus 10% in case materials issued by Department)	
		Excess beyond permissible variation	Less use beyond permissible variation
1.	Cement in bags	NIL	*Rs. 9000/- (Rs. Nine thousand only) per tonne
2.	Steel Reinforcement	NIL	*Rs. 75,000/- (Rs. Seventy Five thousand only) per tonne
3.	Structural Sections	---	---
4.	Bitumen issued free	---	---

***Subject to acceptance of quality of work by the competent Authority. ***

Receipt of deposition of original EMD

Receipt No.

Date

Name of work: - Structural Repair & Rehabilitation work in various type of Qtrs. at Sector-7, R.K. Puram, New Delhi during 2026-27. (Tender Id:- 170047)

1. NIT No.:- 37/CE/NDZ-3/2026-27 and 72/EE/M-Div./2026-27 (2nd Call)

2. Estimated Cost: - Rs. 7,69,67,489/-

3. Amount of Earnest Money Deposit: - Rs. 15,39,350/-

4. Last date of submission of bid :- 23.10.2026.

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

1. Name of the Contractor.....***

2. Form of EMD***

3. Amount of Earnest Money Deposit***

4. Date of submission of EMD***

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

(To be filled by EMD receiving EE)**

FORM 'A'

FINANCIAL INFORMATION

Financial Analysis – Details to be furnished duly supported by figures in balance sheet/profit & loss account for the last five financial years duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached).

Figure in lakhs (Rs.)					
Financial Year	2020-21	2021-22	2022-23	2023-24	2024-25
i) Gross Annual Turn Over on consultancy works					
ii) Profit/Loss (standalone finance statement and consolidated financial statement both)					
Plus (+) sign for profit and Minus (-) sign for loss is to be indicated					

*Financial arrangement for carrying out the proposed work.

Signature of Chartered Accountant with Seal

Seal of bidder

Date of submission:

Signature of Bidder(s)

FORM "B"

BANKERS' CERTIFICATE FROM SCHEDULED BANK

This is to certify that to the best of our knowledge and information, M/s./ Sh.....
..... having marginally noted address, as a customer of our bank are/is respectable
and can be treated as good for any engagement upto a limit of Rs.....
(Rupees.....)

This certificate is issued without any guarantee or responsibility on the bank or any of the officers.

(Signature) For the Bank

Date and Seal

NOTE:

- 1) Bankers Certificates should be on letter head of the Bank, addressed to tendering authority.
- 2) In case of Partnership firm, certificate should include names of all partners as recorded with the Bank.

FORM "B-1"

FORM FOR CERTIFICATE OF NETWORTH FROM CHARTERED ACCOUNTANT

This is to certify that as per the audited balance sheet and profit & loss account during the financial year
....., the Net Worth of M/s / Sh. (Name & Registered Address of
individual/ firm/ company), as on (the relevant date) is
Rs..... after considering all liabilities. It is further certified that the Net Worth of
the company has not eroded by more than 30% in the last three years ending on (the relevant date)."

.....
Signature of Chartered Accountant

.....
Name of Chartered Accountant

.....
Membership No. of ICAI

Date and Seal

FORM 'C'

**DETAILS OF ELIGIBLE SIMILAR NATURE OF WORKS COMPLETED DURING THE
LAST SEVEN YEARS ENDING PREVIOUS DAY OF LAST DAY OF SUBMISSION OF TENDERS**

Sl No.	Name of work/project and location	Owner or sponsoring organization	Cost of work in lakhs of Rupees	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Litigation/ arbitration cases pending/ in progress with details*	Name and address/ telephone number of officer to whom reference may be made	Whether the work was done on back to back basis Yes/ No
1	2	3	4	6	7	8	9	10	11

* Indicate gross amount claimed and amount awarded by the Arbitrator.

Seal of bidder

Date of submission:

Signature of Bidder(s)

FORM 'D'
PERFORMANCE REPORT OF WORKS REFERRED TO IN FORM "C"
(Separate sheet to be attached for each work)

1. Name of work & location
2. Agreement No.
3. Name of firm
4. Estimated cost
5. Tendered cost
6. Completion cost
7. Date of start
8. Date of completion
 - i) Stipulated date of completion
 - ii) Actual date of completion
9. Amount of compensation levied for delayed completion, if any
 - (a) Whether the case of levy of compensation for delay has been decided or not. – Yes/No
 - (b) If decided, amount of compensation levied for delayed completion, if any
10. Amount of reduced rate if any.
11. Performance Report
 - (i) Quality of consultancy work Outstanding/Very Good/Good/Poor
 - (ii) Financial soundness Outstanding/Very Good/Good/Poor
 - (iii) Technical Proficiency Outstanding/Very Good/Good/Poor
 - (iv) Resource fulness Outstanding/Very Good/Good/Poor
 - (v) General Behavior Outstanding/Very Good/Good/Poor

Dated:

Executive Engineer or Equivalent

Stamp

(Guarantee Offered By Bank to CPWD In Connection With The Execution Of Contracts) Form of Bank Guarantee for Performance Guarantee/Security Deposit/Mobilization Advance.

(CPWD, OM No.DG/CON/311 dated 20.10.2020)

(To be given on Non-Judicial Stamp Paper of Minimum Rs. 100)

1. Whereas, the Executive Engineer, “M” Division, CPWD, 8th & 9th Floor, Sewa Bhawan, R.K. Puram, New Delhi on behalf of the President of India (hereinafter called "The Government") has invited bids under(NIT Number).....dated..... For **“Structural Repair & Rehabilitation work in various type of Qtrs. at Sector-7, R.K. Puram, New Delhi during 2026-27.”**

The Govt. has further agreed to accept irrevocable Bank Guarantee for Rs..... (Rs..... only) valid upto.....(date)*.....as Earnest Money Deposit from.....(name and address of the 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, “M” Division, CPWD, 8th & 9th Floor, Sewa Bhawan, R.K. Puram, 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 **“Structural Repair & Rehabilitation work in various type of Qtrs. at Sector-7, R.K. Puram, New Delhi during 2026-27.”**

The Government has further agreed to accept an irrevocable bank Guarantee for Rs.....(Rupees.....only) valid upto.....(date).....as Performance Guarantee/Security Deposit/Mobilization Advance from the said contractor for compliance of his obligations in accordance with the terms and conditions of the agreement.

- i. We,(indicate the name of the bank).....(herein after referred to as “the Bank”), hereby undertake to pay to the Govt. an amount not exceeding Rs..... (Rs.....only)on demand by the Govt. within 10 days of the demand.
- ii. 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 Govt. stating that the amount claimed is reqd. to meet the recoveries due or likely to be due from the Said contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....(Rupees.....only)
- iii. We,(indicate the name of the bank)....., further undertake to pay the Govt. any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any Court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.
2. We,(indicate the name of the bank)....., further agree that the Govt. shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Govt. against the said contractor and 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 Govt. or any indulgence by the Govt. to the said Contractor or by any such matter or thing

what over which under the law relating to sureties would, but for this provision, have effect of so relieving us.

3. We,(indicate the name of the bank).....,further agree that the Govt. as 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 Govt. may have in relation to the contractor's liabilities.
4. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.
5. We,(indicate the name of the bank).....,undertake not to revoke this guarantee except with the consent of the Govt. in writing.
6. This Bank Guarantee shall be valid upto.....unless extended on demand by the Govt. notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs.....(Rupees..... Only) and unless a claim in writing is lodged with us within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

DATE

WITNESS

1. Signature....

Name and Address

Authorized signatory

Name

Designation

Staff Code No.

Bank Seal

1. Signature....

Name of Address

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

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

GENERAL CONDITIONS

1. The work shall be carried out according to CPWD specification for works. 2019 (Volume I & II), modified and corrected up to date of submission of bid and specifications as per additional conditions/ specification.
 2. The contractors shall quote their rates inclusive of all sorts of taxes, cartage, royalties etc. complete.
 3. Unless otherwise specified, the agreement rates for all items of work of the schedule of quantities are for all heights, depths, leads and lifts involved in the execution of work.
 4. Electric connection, if required shall be arranged by the agency. The contractor shall make his own arrangements for obtaining electric connection for execution of work and make necessary payment 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.
- (i) ~~In occupied quarters where tile in flooring/walls and welding works etc. in the quarters itself will be done under upgradation /major renovation, if the contractor use the electricity connection from the resident's electric connection than he has to pay electricity charge to the resident at the following rates-~~

S.No.	TYPE OF QTR	RATE OF RECOVERY
1.—	Type I/Single suit	Rs. 200 per qtr
2.—	Type II/ Double Suit	Rs. 400 per qtr
3.—	Type III/ Type IV	Rs. 500 per qtr
4.—	Type V including servant room	Rs. 700 per qtr
5.—	Type VI and above including servant rooms	Rs. 1000 per qtr.

~~A necessary certificate of payment to resident shall be produced by the contractor along with bill to the Engineer In-Charge of major component of work. In case of failure the Engineer In-Charge will recover the necessary amount as said above from the bill and make the payment to the resident.~~

- (ii) ~~In un-occupied quarters where upgradation/major renovation work is executed the contractor shall make his own arrangements of electric connection as stated above.~~
5. 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 of which he may be liable.
 6. The contractor shall take all precautions to avoid accidents by exhibiting caution boards, red flags, red lights and providing necessary barriers and all other measures required from time to time. The contractor shall be responsible for all damages and accidents due to negligence on his part.
 7. The contractor shall give due notices to Municipality, Police and/ or other authorities that may be required under the law/ rules under force and obtain all requisite licenses for temporary obstructions/ enclosures and pay all charges which may be leviable on account of his execution of the work under the agreement. Nothing extra shall be payable on this account.
 8. Other agencies working at site will also simultaneously execute the work entrusted to them and the contractor shall offer necessary co-operation wherever required to other agencies.
 9. On account of security consideration, there could be some restrictions on the working hours, movement of vehicles for transportation of materials. The contractor shall be bound to follow all such restrictions and adjust the programme for execution accordingly.

10. 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.
11. (a) All the malba/ building rubbish obtained from dismantling during the execution of the work shall be brought down through the stair case and shall not be thrown to the ground directly from upper floors.
- (b) All the malba/ building rubbish obtained from dismantling, during the execution of work or generated due to any operation shall be collected in the mobile container of suitable size, which shall be arranged by contractor, placed near the working place. The malba or building rubbish so collected shall be disposed off **free of cost** to the specified common disposal point in the campus (**i.e. nothing extra shall be paid over agreement items**), from where the contractor will finally disposed off the collected malba or building rubbish to the authorized municipal dhalao/dumping ground. In no case the malba / building rubbish shall be allowed to dump at ground near the working place.
- (c) After the collection of full truck load of the said malba (approx 4.5 cubic meters), the same shall be disposed off on same day by the contractor to the authorized municipal dhalao/ dumping ground. In case of non-removal/disposal in the specified period, a recovery of **Rs.1000/-** (rupees One thousand only) per day shall be recovered from the contractor. for every default day till the final disposal of malba.
12. 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 temporary set up for staff in the campus.
13. No claims of the labours shall be entertained by the Department including that of providing employment, regularization of services etc.
14. All required register will be issued by Engineer-in-charge duly marked in chronological order but the contractor will have to arrange all such registers/stationery etc. Nothing extra shall be paid on this account.
15. The Engineers and Supervisor shall carry mobile telephone(s) to enable the Engineer-in-charge to have easy and quick communication. Nothing extra shall be paid to the contractor on this account and his quoted rates for various items under this contract will be inclusive of this obligation.
16. In no case, Mortar/ cement concrete shall be mixed directly on floor/ road surface. For mixing of mortar, G.I. Sheet/ Ply etc. shall be used to maintain the surface of flooring/ road. If at any instance, any worker is found, mixing mortar/ cement concrete directly on floor/ road surface, recovery of Rs. 1000/- instance shall be made from running bill.
17. All materials, T & P (other than routine T & P items), consumable and contingent articles required for the work shall be arranged by the contractor, Viz:-
- (i) **For civil work: -**
- a) Tool kit for every mason having 300 mm digital sprit level, **Digital Laser Level Protector**, water level, plumb-bob, Try square set measurement tool (Right angle 90 degree), tile / stone cutter etc.
- b) G.I. Sheet/ Ply etc. for mixing of mortar/ CC.
- c) Water jet pump with sprinkler nozzle for curing of all cement work mainly for vertical surface.
- d) Chase cutting machine
- e) Drill machine
18. Materials used shall be in order of preferences as under: -
- (i) As mentioned in Nomenclature of the item.
- (ii) As per list of approved makes of materials attached.
- (iii) CPWD specifications
- (iv) ISI marked.
- (v) CPWD approved
- (vi) Direction of the Engineer-in-Charge.

19. Staff employed by the contractor should be well behaved, Polite & courteous. Any complaint against staff on behavior should be taken very seriously and such staff should be removed by the contractor immediately from the site and arrange replacement for the same failing which the Engineer-in-Charge has to recover as per condition.
20. Police verification of every staff deployed by the contractor shall be got done by the contractor compulsorily and a copy of police verification shall be provided to Engineer-in-Charge after which an identity card duly countersigned by Engineer-in-Charge or his representative shall be issued to each employee of the contractor for proper identification. The contractor shall provide uniform along with Badge and shoes within 15 days of start of work. In the event of non compliance a recovery of Rs.25/- per day per employee shall be made. The employee and labours engaged by the contractor under this contract shall wear neat and clean uniforms alongwith name badges as approved by Engineer-in-Charge.
21. Safety of the staff employed will be the responsibility of the contractor, CPWD will not be responsible for any mishap, injury/accident or death of the staff. No. claim in this regard shall be entertained/ accepted by the department.
22. Contractor shall be fully responsible for any damages caused to govt. property or allottee's property by his or his labour in carrying out the work and shall be rectified by the contractor at his own cost.
23. The contractor shall maintain sufficient quantity of materials and spares at site to meet the requirement of attending the complaints as per direction of the Engineer in charge.
24. ~~Though this is a rehabilitation / retrofitting work but for making the system transparent, the agency/contractor shall arrange to get registered all the manpower/workers deployed against this work on Aadhaar Based Biometric Attendance machine, within 15 days after start of the work as per agreement. All the deployed manpower/workers shall mark their attendance on Aadhaar Based Biometric Attendance machine at the Service Centre Nos. 328 & 331 under 4/S Sub-Division For marking of attendance, Aadhaar Based Biometric Attendance Machine shall be installed by the contractor and internet connection shall be provided by the Department at the Service Centre Nos. 328 & 331 under 4/S Sub-Division, with in 15 days after award of the work as per agreement, otherwise no payment will be made. Engineer, Supervisor as well as manpower engaged in the work will mark their attendance on Biometric Machine which will be the proof of their presenece at work. Attendance, duly signed by the agency, shall be submitted with each R/A bill, failing which, no payment shall be made.~~
~~Record of Biometric Attendance shall be checked and verified by JE/AE time to time. Record of Biometric Attendance, submitted along with R/A bills must be signed by JE/AE.~~
25. ~~Aadhar based Biometric Attendance machine/system alongwith internet connection for all deployed manpower/workers shall be maintained in good working condition by the contractor at his own cost at all the times (spare Aadhaar Based Biometric Attendance machine shall also be provided within the same day if any machine not working), for which nothing extra shall be paid. Attendance for in & out (i.e. both times) shall be marked by every engaged staff on Aadhaar Based Biometric Attendance machine, failing which it shall be treated as absent. However, exemption may be given by concerned JE/AE/EE for not marking the attendance in Aadhaar Based Biometric Attendance system, only in extra ordinary circumstances i.e. server failure or in case of any order issued by Govt of India regarding not marking of attendance on biometric machine, which are beyond the control of agency/contractor for which necessary certificate from Engineer in charge shall be required.~~
26. To ensure transparency, the Supervisor of the Contractor/Agency shall take photographs before and after waterproofing of each terrace, roof, or higher side area as per the direction of the Engineer-in-Charge. The record shall be maintained by the Agency and shall be vetted by the JE/AE in charge. The same shall be handed over during submission of the final bill. The digital record may be maintained as per the direction of the Engineer-in-Charge.

27. Technically painting work should be done after the surface completely dried up; therefore, no painting and putty work shall be taken up in any block before 22 days (07 Days Cureing + 15 Days Drying period) of completion of plaster work. The entire block shall be applied with putty and thereafter painted in one go.
28. Curing is very important part of plaster work. Since, work is being done at different locations so it is difficult to ensure proper curing of plaster work. For proper curing of plaster work, it is essential to have proper T&P for the same. The Agency must have self independent curing system which comprises of: -
- a. Hand drawn trolley/ rickshaw.
 - b. Suitable electrically operated spray jet machine with pump for spraying water on plastered area for G+3 floor height.
 - c. 4KVA inverter mounted on trolley/rickshaw for operating above jet machine.
 - d. The inverter will be charged everyday in the concerned Sub-Division Service Centre in the night for which no charges will be recovered from the contractor/agency.
 - e. Suitable Nos. of Drums of 200 Litre capacity shall be carried alongwith the above system for the source of water.
 - f. The agency has to keep the above system always functional otherwise recovery @ Rs. 5000/- per week will be made from the bill.
 - g. No extra payment will be made on account of this; however, the agency may quote their rate accordingly.
29. The work will be executed in Phased manner and according total time period has been worked out and no labour loss on account this will be acceptable.
30. During the execution window/door/balcony door should be covered with Wooven PVC Cloth and wherever required as per direction of Engineer-in-Charge to protect them from splashes and nothing extra will be paid on this account.
31. Agency will get, the painting material supplied by the manufacturer/Authorised dealer, inspected time to time (during agreement period as per direction of Engineer-in-charge) and get certificate from the manufacturer only that the product supplied and used at site is genuine.

ADDITIONAL CONDITION OF CIVIL WORK

1. Chases, holes & drilling works etc. shall be done using power operated tools.
2. **Items under sub head Structural repair & strengthening of damaged existing chajja/ and shotcreting in damaged balconies, shall be executed only with the direction of Engineer-in-charge.** The contractor shall have to carry out the work other than day to day maintenance according to programme 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 programme 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.
3. The quarters / flats and portions of quarters / flats where the work is 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.
4. Any work carried out without the approval of the representative of the Engineer-in-charge at the site of work shall be rejected and shall not be measured and paid for.
5. Before the start of execution of work materials shall be brought in adequate quantity to be sufficient at least for 50% of the total requirement of the whole work per year and deposited with the Department. Remaining materials shall be brought and deposited with the department as directed by Engineer-in-charge. All samples of sanitary, water supply and fittings required for wood work shall be got approved from Engineer-in-charge and shall be displayed on board in each enquiry office.
6. The manufacturing date and batch No. inscribed or printed on packs/containers by manufacturers are only acceptable for all the above said materials. Fresh material shall be brought at site as far as possible and materials more than 4 months old from the date of manufacturing will be rejected.
7. The paints/other material shall be issued by the Junior Engineer / Assistant Engineer to the contractors after breaking the seal of the containers / packing and quantity to be issued shall be as per the daily requirement at the site. After days use balance quantity of paints etc., if any left, will be returned by the contractor to the Department. After use, the empty container shall have to be returned to the Department and shall be preserved by JE in charge and will not be disposed off till the finalization of the work. **Genuinity of Painting material before use shall also be got verified from manufacturer and in this regard a certificate from manucturer shall be obtained and kept in the record.**
8. The site for the collection and stacking of the material shall be got approved from the Engineer- In-charge.
9. In order that the contractor may take daily instructions regarding all complaints / works except day to day maintenance, a site order book will be maintained at the Enquiry Office. The JE will note down the work in flats to be attended to and the dates on which the work in these flats is to be started.
10. The theoretical consumption of materials like, satna lime, distemper, paint, water proof cement paint etc. shall be computed, as per the consumption given in the schedule of Theortical consumption of materials. If there is variation between the actual and the theoretical calculations action shall be taken as below:-
 - A) In case the materials used are less than theoretical requirements, the cost for the materials used less shall be recovered from the contractor, subject to acceptance of quality of work accepted by the competent authority as below:-
 - i) If quoted rates of agency are above the estimated rates:-

Recovery shall be made at 2 times of basic rate as given in D.S.R. 2023/ market rate for items not available in DSR 2023 plus carriage, plus 1% W.C., plus 18% GST, plus 15% contractor profit and over heads, plus 1% Labour Cess plus contractor's enhancement / abatement as per the clause 12 of the agreement.

ii) If quoted rates of agency are below the estimated rates :-

Recovery shall be at 2 times of basic rate as given in D.S.R. 2023/ market rate for items not available in DSR 2023 plus carriage, plus 1% W.C., plus 18% GST, plus 15% contractor profit and over heads, plus 1% Labour Cess.

B) For all excess use of materials over the theoretical consumption no extra payment shall be made to the contractor.

11. Old doors, windows, floors, furniture, Electrical and other fittings shall be cleaned from all splashes, dust, dirt and mortars etc. The rate for the white washing/colour washing / distempering / painting etc. includes the cost of removal splashes and paint marks. In the event of failure on the part of contractor to remove the splashes and the paint mark the recoveries will be made at the following rates.

S. No	Type of Quarter	Rate of recovery for Each Quarter for splashes on doors, windows, floor, glass panes & electrical fixtures etc.
1	Type-I/ Single Suit	Rs. 2500/-
2	Type-II	Rs. 2500/-
3	Type-III/ Double Suit	Rs. 3000/-
4	Type-IV	Rs. 3500/-
5	Type-V i/c Servant Qtrs	Rs. 4000/-
6	Type-VI i/c Servant Qtrs	Rs. 4500/-

12. The labour for attending complaints shall carry necessary tool kit, container (Tasla), required for mixing any cement sand or other material, water bottle and waste bag for collection of minor rubbish material if received during attending the complaints, so that the site of work remains neat and clean.
13. The material such as sanitary items / water supply items / Aluminum fittings etc. as required shall be of approved brand and manufacture as given in the list of approved makes of materials or as approved by the Engineer-in-Charge.
14. The sample of all the items shall have to be got approved by the Contractor from the Engineer-in-charge before the supply commences and shall be without prejudice to the right of Engineer-in-Charge to get random samples tested out of the actual lot received.
15. The contractor shall furnish the manufacturer's certificate that the material supplied satisfy the requirements of the relevant specifications.
16. The Engineer-in-Charge shall 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 shall be provided by the contractor. All expenditure required to be incurred for taking sample, conveyance and packing & testing charges etc. shall be borne by the contractor himself. In case any sample particular lot fails in testing the contractor shall be bound to replace the entire lot with fresh material of prescribed specification and the rejected lot shall be returned to the contractor only after fresh lot is supplied. Testing charges shall be borne by the contractor.
17. Rejected materials shall have to be removed by the contractor at his own cost immediately of the instructions of doing so.
18. In case of any dispute regarding rejection of quality of materials the decision of the Engineer-in-Charge shall be final and binding upon the contractor.
19. 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.

20. The contractor shall have to produce the cash memo to satisfy department that the material has been purchased from the authorized dealer and the GST tax has been paid.

21. The agency has to engage specialized agency for the Water proofing work:-

Water proofing work has to be got executed from authorized applicator of manufacturer of water proofing material- Fosroc (Nitoproof WB Primer), Sikka (Sikalastic-11 Primer W), Mapei, Sunanda. Before engaging such specialized agency letter from manufacturer is required to be submitted to Engineer –in – Charge. Once the name of the applicator is approved the same will execute the work. The guarantee of waterproofing work of 5 years shall be given by the manufacture on its letter head. The guarantee letter shall also be countersign by the agency.

The contractor must associate himself with the specialized firm to be approved by the Engineer-in-Charge in writing, for integral cement based water proofing treatment for sunken floors and on roofs. 5 years Guarantee Bond in prescribed proforma attached vide Page-39 must be given by the specialized firm on stamp paper which shall be countersigned by the contractor, in token of his overall responsibility. In addition, 10% (ten percent) of the cost of these items would be retained as Guarantee Bond to watch the performance of the work done. If any defect is noticed during the Guarantee period for five years to be reckoned from the date after the Construction period prescribed in the contract expires it should be rectified by the contractor within seven days and if not attended to, the same will be got done by another agency at the risk and cost of the contractor. However, this security deposit can be released in full, if bank guarantee of equivalent amount for 05(Five) years is produced and deposited with the department.

22. CEMENT

22.1. The contractor shall procure 43 grade OPC as required in the work from reputed manufacturers of cement having a production capacity not less than one million tones or more per annum, such as ACC, Ultra Tech, J.P. Rewa, Vikram, Shri Cement, Birla Jute & cement corporation of India etc., as approved by the Ministry of Industry, Government of India and holding license to use ISI certification mark for their product The tenderers may also submit a list of names of cement manufacturers which they propose to use in the work. The tender accepting authority reserves right to accept or reject name (s) of cement manufacturer(s) which the tenderer proposes to use in the work. No change in the tendered rates will be accepted if the tender accepting authority does not accept the list of cement manufacturers, given by the tenderer fully or partially.

The supply of cement shall be taken in 50 kg. bags bearing manufacturer's name and ISI marking. Samples of cement arranged by the contractors shall be taken by the Engineer-in-Charge and got tested in accordance with provisions of relevant BIS codes. In case the test results indicate that the cement arranged by the contractor does not conform to the relevant BIS Codes, the same shall stand rejected, and it shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer-in-Charge to do so.

22.2. The cement shall be brought at site as decided by the Engineer-in-charge.

22.3. The cement godown shall be maintained as per CPWD specification

22.4. The cement shall be got tested by the Engineer-in-Charge and shall be used on the work only after satisfactory test results have been received. The contractor shall supply free of charge the cement required for testing including its transportation cost to testing laboratories. The cost of tests shall be borne by the contractor.

- 22.5.** The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in clause of the contract and shall be governed by conditions laid therein. In case the cement consumption is less than theoretical consumption including permissible variation, recovery at the rate so prescribed shall be made. In case of excess consumption, no adjustment need to made.
- 22.6.** The Cement brought to site and the cement remaining unused after completion of work shall not be removed from site without written permission of Engineer-in-Charge.
- 22.7.** The damaged cement shall be removed from the site immediately by the contractor on receipt of a notice in writing form the Engineer-in-Charge. If he does not do so within three days of receipt of such notice, the Engineer-in-Charge shall get it removed at the cost of the contractor.

23. STEEL

Special Condition for Steel Reinforcement

- (i) (a)** The CPWD/Contractor shall procure IS marked TMT bars of various grades from the steel manufacturers or their authorized dealers {as per following selection criteria) having valid BIS license for IS:1786-2008(Amendment -1 November 2012)

The procured steel should have following qualities: -

- i. Excellent ductility, bend ability and elongation of finished product due to possible refining technology.
- ii. Consumption of steel should be accurate as per design.
- iii. Steel should have no brittleness problem in finished product.
- iv. Steel should carry the quality of corrosion and earthquake resistance.
- v. Quality steel with achievement of proper level of sulphur and phosphorus as per IS:1786-2008

(b) Selection Criteria of steel manufacturers

The supply of reinforcement steel for all CPWD works should have following selection criteria of steel manufacturers: -

Steel producers of any capacity using iron ore/ processed iron ore as the basic raw material adopting advanced refining technologies as given hereunder,

- (i)** DRI-EAF = Direct Reduced iron - Electric arc furnace.
or
(ii) BF-BOF = Blast furnace - Basic oxygen furnace
Or
(iii) COREX-BOF = COREX - Basic oxygen furnace

for production of liquid steel to finish product at single/multiple locations with NABL or any other similarly placed accrediting Government body which operates in accordance with ISO/IEC17011 and accredits labs as per ISO/IEC 17025 conforming to IS:1786-2008 (Amendment -1 November 2012). The check list for incorporation any quality steel producer is enclosed for technical assessment is given in Annexure-1.

Chief Engineer / CPM / PM shall approve the steel manufactures for projects under their jurisdiction. NIT approving authority shall specify the manufacturers in the tender document.

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

- (ii)** 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 the specifications, the same shall stand rejected, and it shall be removed from the site of work by the contractor at his cost within a week time on written orders from the Engineer-in-Charge to do so.
- (iii)** The steel reinforcement bars shall be brought to the site in bulk supply of 10 tonnes or more, or as decided by the Engineer-in-charge.

- (iv) The Steel reinforcement bars shall be stored by the contractor at site of work in such a way as to prevent their distortion and corrosion and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.
- (v) For checking nominal mass, tensile strength bend test, re-bend test etc. specimens of sufficient length shall be cut from each size of the bar at random and a frequency not less than that specified below:-

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

- (vi) The contractor shall supply free of charge the steel required for testing including its transportation of testing laboratories. The cost of test shall be borne by the contractor.
- (vii) The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by condition laid therein. In case the consumption is less than theoretical consumption including permissible variations recovery at the rate so prescribed shall be made. In case of excess consumption, no adjustment need to be made.
- (viii) The steel brought to site and the steel remaining unused shall not be removed from site without the written permission of the Engineer-in-Charge.

Form -A

CONSENT LETTER BETWEEN MAIN AGENCY AND ASSOCIATED SPECIALIZED AGENCY/OEM

Name of work: Structural Repair & Rehabilitation work in various type of Qtrs. at Sector-7, R.K. Puram, New Delhi during 2026-27.

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

Date:

Signature with date of Main Agency/Contractor Specialized Agency	Signature with date of Associate
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Address

Address

1. Witness with address

(From main contractor side)

2. Witness with address

(From associated agency side)

ANNEXURE – A

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

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

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

AND WHEREAS GUARANTOR agreed to give a guarantee to the effect that the said structures will remain water and leak proof for five years from the date after the maintenance period prescribed in the contract

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

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

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

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

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

- 1.
- 2.

Signed for and on behalf of THE PRESIDENT OF INDIA by in the presence of-

- 1.
- 2.

Blanks to be filled by contractor/EE

SPECIAL CONDITION

1. The agency shall provide the uniform to their employees of approved fabric. The jacket should have marked with CPWD on Front and Back side with reflective neon colour of size 75X20mm, 200X100mm size respectively.
2. ~~All labours /workers have to marked their attendance on biometric attendance system. All efforts should be made for making it Unique Identification Authority of India/AADHAR based. No other method i.e. attendance register etc. is valid for recording of attendance. No payment shall be made without record of Biometric attendance system.~~
3. Contractor shall require to submit the daily program of major complaints to the representative/ AE/JE of Engineer in charge for ascertaining the authority of carrying out special repairs/replacement. The Engineer in charge or their representative will give orders through site order book or through letter to carry out extend of special repair/replacements. The contractor shall have to carry out the work other than day to day maintenance according to programme given by the Executive Engineer / Assistant Engineer / Junior Engineer-in-charge. The contract 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 programme 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. Any work carried out without such approvals, the work shall be rejected and shall not be measured and paid for.
4. Agency shall employ such semi skilled/skilled/Highly skilled persons so that the person who has been assigned the main task will ensure that the related main task is carried out in one go by the same skilled preferably so as to ensure minimum inconvenience and interference to the allottee.
5. **No special repair and A/A works shall be carried out in any quarter/flats without the approval of representative of the Engineer-In-Charge. Any work carried out without such approvals, the work shall be rejected and shall not be measured and paid for.**
6. The contractor will employ separate labour for Civil, Electrical & Horticulture work and deposited ESI and EPF contribution (Vide separate ECR and challans) deducted from the employee and contribution on the part of employer paid by the contractor to the concerned authorities for reimbursement of ESI & EPFO from the department the contractor shall submit an affidavit on stamp paper of Rs. 10 along with the duly paid challans stating "I have not claimed the reimbursement of this bill from anywhere else. I shall also not claim this from any other office in future."

SPEICAL CONDITION FOR FINISHING WORK

1. CEMENT PLASTER

1.1 Preparation of Surface

The joints shall be raked out properly. Dust and loose mortar shall be brushed out. Efflorescence if any shall be removed by brushing and scrapping. The surface shall then be thoroughly washed with water, cleaned and kept wet before plastering is commenced. In case of concrete surface if a chemical retarder has been applied to the form work, the surface shall be roughened by wire brushing and all the resulting dust and loose particles cleaned off and care shall be taken that none of the retarders is left on the surface.

1.2 Mortar

The mortar of the specified mix using the type of sand described in the item shall be used. It shall be as specified in Subhead 3.0. For external work and under coat work, the fine aggregate shall conform to grading IV. For finishing coat work the fine aggregate conforming to grading zone V shall be used.

1.3 Application of Plaster

Plastering shall be started from the top and worked down towards the floor. All putlog holes shall be properly filled in advance of the plastering as the scaffolding is being taken down. To ensure even thickness and a true surface, plaster about 15 × 15 cm shall be first applied, horizontally and vertically, at not more than 2 metres intervals over the entire surface to serve as gauges. The surfaces of these gauged areas shall be truly in the plane of the finished plaster surface. The mortar shall then be laid on the wall, between the gauges with trowel. The mortar shall be applied in a uniform surface slightly more than the specified thickness. This shall be brought to a true surface, by working a wooden straight edge reaching across the gauges, with small upward and side ways movements at a time. Finally the surface shall be finished off true with trowel or wooden float according as a smooth or a sandy granular texture is required. Excessive troweling or over working the float shall be avoided.

All corners, arrises, angles and junctions shall be truly vertical or horizontal as the case may be and shall be carefully finished. Rounding or chamfering corners, arrises, provision of grooves at junctions etc. where required shall be done without any extra payment. Such rounding, chamfering or grooving shall be carried out with proper templates or battens to the sizes required. When suspending work at the end of the day, the plaster shall be left, cut clean to line both horizontally and vertically. When recommencing the plastering, the edge of the old work shall be scrapped cleaned and wetted with cement slurry before plaster is applied to the adjacent areas, to enable the two to properly join together. Plastering work shall be closed at the end of the day on the body of wall and not nearer than 15 cm to any corners or arrises. It shall not be closed on the body of the features such as plasters, bands and cornices, nor at the corners of arrises. Horizontal joints in plaster work shall not also occur on parapet tops and copings as these invariably lead to leakages. The plastering and finishing shall be completed within half an hour of adding water to the dry mortar. No portion of the surface shall be left out initially to be patched up later on. The plastering and finishing shall be completed within half an hour of adding water to the dry mortar.

Thickness Where the thickness required as per description of the item is 20 mm the average thickness of the plaster shall not be less than 20 mm whether the wall treated is of brick or stone. In the case of brick work, the minimum thickness over any portion of the surface shall be not less than 15 mm while in case of stone work the minimum thickness over the bushings shall be not less than 12 mm.

1.4 Curing

Curing shall be started as soon as the plaster has hardened sufficiently not to be damaged when watered. **Water jet pump with sprinkler nozzle shall be used for Curing.** The plaster shall be kept wet for a period of at least 7 days. During this period, it shall be suitably protected from all damages at the contractor's expense by such means as the Engineer-in-Charge may approve. The dates on which the plastering is done shall be legibly marked on the various sections plastered so that curing for the specified period thereafter can be watched.

1.5 Finish

The plaster shall be finished to a true and plumb surface and to the proper degree of smoothness as required. The work shall be tested frequently as the work proceeds with a true straight edge not less than 2.5 m long and with plumb bobs. All horizontal lines and surfaces shall be tested with a level and all jambs and corners with a plumb bob as the work proceeds.

1.6 Precaution

Any cracks which appear in the surface and all portions which sound hollow when tapped, or are found to be soft or otherwise defective, shall be cut out in rectangular shape and redone as directed by the Engineer-in-Charge. (i) When ceiling plaster is done, it shall be finished to chamfered edge at an angle at its junction with a suitable tool when plaster is being done. Similarly when the wall plaster is being done, it shall be kept separate from the ceiling plaster by a thin straight groove not deeper than 6 mm drawn with any suitable method with the wall while the plaster is green. (ii) To prevent surface cracks appearing between junctions of column/beam and walls, 150 mm wide chicken wire mesh should be fixed with U nails 150 mm centre to centre before plastering the junction. The plastering of walls and beam/column in one vertical plane should be carried out in one go. For providing and fixing chicken wire mesh with U nails payment shall be made separately

2. REPAIRS TO PLASTER

2.1 Cutting

The mortar of the patch, where the existing plaster has cracked, crumbled or sounds hollow when gently tapped on the surface, shall be removed. The patch shall be cut out to a square or rectangular shape at position marked on the wall as directed by the Engineer-in-Charge or his authorized representative. The edges shall be slightly under cut to provide a neat joint.

2.2 Preparation of Surface

The masonry joints which become exposed after removal of old plaster shall be raked out to a minimum depth of 10 mm in the case of brick work and 20 mm in the case of stone work. The raking shall be carried out uniformly with a raking tool and not with a basuli, and loose mortar

dusted off. The surface shall then be thoroughly washed with water, and kept wet till plastering is commenced. In case of concrete surfaces, the same shall be thoroughly scrubbed with wire brushes after the plaster had been cut out and pock marked. The surface shall be washed and cleaned and kept wet till plastering is commenced.

2.3 Application of Plaster

Mortar of specified mix with the specified sand shall be used. The surface shall be finished even and flush and matching with the old surrounding plaster. All roundings necessary at junctions of walls, ceilings etc. shall be carried out in a tidy manner. All dismantled mortar & rubbish etc. shall be disposed off within 24 hours from its dismantling promptly as directed by the Engineer-in-Charge.

2.4 Protective Measure

Doors, windows, floors, articles of furniture etc. and such other parts of the building shall be protected from being splashed upon. Splashing and droppings, if any, shall be removed by the contractor at his own cost and the surface cleaned. Damages, if any, to furniture or fittings and fixtures shall be recoverable from the contractor.

2.5 Curing

Curing shall be started as soon as the plaster has hardened sufficiently not to be damaged when watered. **Water jet pump with sprinkler nozzle shall be used for Curing.** The plaster shall be kept wet for a period of at least 7 days. During this period, it shall be suitably protected from all damages at the contractor's expense by such means as the Engineer-in-Charge may approve. The dates on which the plastering is done shall be legibly marked on the various sections plastered so that curing for the specified period thereafter can be watched.

3. PAINTING

Materials Paints, oils, varnishes etc. of approved brand and manufacture shall be used. Only ready mixed Paint (Exterior grade) as received from the manufacturer without any admixture shall be used. If for any reason, thinning is necessary in case of ready mixed Paint, the brand of thinner recommended by the manufacturer or as instructed by the Engineer-in-Charge shall be used. Approved Paints, oil or varnishes shall be brought to the site of work by the contractor in their original containers in sealed condition. The material shall be brought in at a time in adequate quantities to suffice for the whole work or at least a fortnight's work. The materials shall be kept in the joint custody of the contractor and the Engineer-in -Charge. The empties shall not be removed from the site of work, till the relevant item of work has been completed and permission obtained from the Engineer-in-Charge.

3.1 Commencing Work

Painting shall not be started until the Engineer -in-Charge has inspected the items of work to be painted, satisfied himself about their proper quality and given his approval to commence the painting work. Painting of external surface should not be done in adverse weather condition like hail storm and dust storm. Painting, except the priming coat, shall generally be taken in hand after practically finishing all other building work. The rooms should be thoroughly swept out and the entire building cleaned up, at least one day in advance of the Paint work being started.

3.2 Preparation of Surface

The surface shall be thoroughly cleaned and dusted off. All rust, dirt, scales, smoke splashes, mortar droppings and grease shall be thoroughly removed before painting is started. The prepared surface shall have received the approval of the Engineer-in-Charge after inspection, before painting is commenced.

3.3 Application

Before pouring into smaller containers for use, the Paint shall be stirred thoroughly in its containers, when applying also, the Paint shall be continuously stirred in the smaller containers so that its consistency is kept uniform. The painting shall be laid on evenly and smoothly by means of crossing and laying off, the latter in the direction of the grains of wood. The crossing and laying off consists of covering the area over with Paint, brushing the surface hard for the first time over and then brushing alternately in opposite direction, two or three times and then finally brushing lightly in a direction at right angles to the same. In this process, no brush marks shall be left after the laying off is finished. The full process of crossing and laying off will constitute one coat.

Where so stipulated, the painting shall be done by spraying. Spray machine used may be (a) high pressure (small air aperture) type, or (b) a low pressure (large air gap) type, depending on the nature and location of work to be carried out. Skilled and experienced workmen shall be employed for this class of work. Paints used shall be brought to the requisite consistency by adding a suitable thinner.

Spraying should be done only when dry condition prevails. Each coat shall be allowed to dry out thoroughly and rubbed smooth before the next coat is applied. This should be facilitated by thorough ventilation. Each coat except the last coat, shall be lightly rubbed down with sand paper or fine pumice stone and cleaned off dust before the next coat is laid.

No left over Paint shall be put back into the stock tins. When not in use, the containers shall be kept properly closed.

No hair marks from the brush or clogging of Paint puddles in the corners of panels, angles of mouldings etc. shall be left on the work.

In painting doors and windows, the putty round the glass panes must also be painted but care must be taken to see that no Paint stains etc. are left on the glass. Tops of shutters and surfaces in similar hidden locations shall not be left out in painting. However, bottom edge of the shutters where the painting is not practically possible, need not be done nor any deduction on this account will be done but two coats of primer of approved make shall be done on the bottom edge before fixing the shutters.

On painting steel work, special care shall be taken while painting over bolts, nuts, rivet overlaps etc.

The additional specifications for primer and other coats of Paints shall be as according to the detailed CPWD specifications under the respective headings.

3.4 Brushes and Containers

After work, the brushes shall be completely cleaned of Paint and linseed oil by rinsing with turpentine. A brush in which Paint has dried up is ruined and shall on no account be used for painting work. The containers when not in use, shall be kept closed and free from air so that Paint does not thicken and also shall be kept safe from dust. When the Paint has been used, the containers shall be washed with turpentine and wiped dry with soft clean cloth, so that they are clean, and can be used again.

3.5 Precautions

All furnitures, fixtures, glazing, floors etc. shall be protected by covering and stains, smears, splashings, if any shall be removed and any damages done shall be made good by the contractor at his cost.

Minimum Quality Assurance Plan

1. Tests which are mandatory as per CPWD specification amended up to date are to be carried out by the contractor. While deciding these criteria CPWD Specifications & Provisions of BIS Code and Standard Practices may be referred.
2. Machinery and other Tool & Plants required to be deployed at site by the contractor as per requirement. Entire Machinery and T&P may not be required at the start of work, therefore, a proper time schedule by which each Machinery & T&P is to be brought at site should be submitted by the contractor to the site staff before start of the work.
3. Field laboratory is required if necessary for this work then testing equipments to be arranged by the contractor. If field lab is to be setup by the Department then contractor may be allowed for conducting the test there.
4. **It shall be mandatory for the agencies/ contractors to submit the self-attested (by agencies/ contractors) copies of Tax paid bills of the materials entered in the MAS Register viz., Steel, Cement, Bitumen, Paint, Primer, Distemper, varnishes, Tile Adhesive, Admixture, Anti termite chemical, Water proofing compound material and any other item as decided by the NIT approving authority.**
5. **Self-attested copies of Tax paid bills of materials taken in MAS Register shall be submitted by the agencies/ contractors before settling the payments. In case of any doubt the same can be verified by the field staff. However, onus of genuineness of Tax paid bills rests with the agencies/contractors.**
6. Maintenance of Register of Tests -
 - (i) All the registers of tests carried out at Construction Site or in outside laboratories shall be maintained by the contractor which shall be issued to the contractor by Engineer-in-charge at the time of issue of award letter.
 - (ii) All Samples of materials including Cement Concrete Cubes shall be taken by Contractor jointly with JE in charge of work and out of this at least 50% samples shall be taken in presence of AE in charge. If there is no JE, all Samples of materials including Cement Concrete Cubes shall be taken by contractor in presence of AE in charge of work. All the necessary assistance shall be provided by the contractor. Cost of sample materials is to be borne by the contractor and he shall be responsible for safe custody of samples to be tested at site.
 - (iii) All the test in field lab setup at Construction Site shall be carried out by the Engineering Staff deployed by the contractor in presence of JE-in-charge and at least 50% of tests in presence AE-in-charge. At least 10% of tests shall be carried out in presence of Executive Engineer.
 - (iv) All the entries in the registers will be made by the designated Engineering Staff of the contractor and same should be presented before JE/AE/Divisional Engineer for their review.
 - (v) Contractor shall be responsible for safe custody of all the test registers.
7. It is mandatory to the contractor to submit copy of all test registers, Material at Site Register and hindrance register along with each alternate Running Account Bill and Final Bill. These registers shall further be checked by AE(P)/Senior Draughtsman in Division Office and receipts of registers should also be acknowledged by Accounts Officer by signing the copies and register to confirm receipt in Division office.

If all the test registers and hindrance register is not submitted by contractor along with each alternate R/A Bill & Final Bill, no payment shall be released to the contractor.

8. Maintenance of Material at Site (MAS) Register -

- (i) All the MAS Registers including Cement and Steel Registers shall be maintained by Contractor which shall be issued to the contractor by Engineer-in-charge along with the award letter.
- (ii) The contractor shall get 100% test checked by JE or by AE if there is no JE after each entry of receipt of material at site in MAS register.
- (iii) The contractor shall get MAS Register test checked by JE at least twice a week and at least once a week by AE. If there is no JE is available then MAS register must be checked by AE at least twice a week.
- (iv) Cement register shall be got reviewed by Divisional Engineer at least once in a month.

9. Contractor will co-operate with the staff of Third Party Quality Control, if appointed/authorized by the Engineer-in-Charge. Contractor will provide all the sample of the material/Items as desired by the Third Party Quality Control Team free of cost including packing and it's transportation upto testing laboratory.

LIST OF PREFERRED MAKE OF MATERIALS (FOR CIVIL WORKS)

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

Sl. No.	Material	Preferred Make
1	OPC, PPC	ACC, Birla, Ultratech, Ambuja.
2	White Cement	J.K. White, Birla White, Ultratech.
3	Reinforcement bars Fe-500	TATA, SAIL, RINL, JSW, Jindal Panther.
4	Structural Hollow Tubes/Pipes, Hot Finished Welded Tubes Seamless & ERW types tubes	TATA, SAIL, RINL, JSW, Apl Apollo
5	Structural M.S. Section, I-Section, Channels, Angle, Tee & Flats etc.	TATA, SAIL, RINL, Jindal (Hissar).
6	Stainless steel pipe and fittings	Jindal Stainless Steel Ltd., J-Press, Tata Steel, VSH.
7	Aluminum Door, Window (Factory Made)	Fenesta Building Systems, Encraft India Pvt. Ltd., Beautex, Arcuzo Décor.
8	Aluminium Section	Jindal, Hindalco, Indalco, Nalco.
9	Anodised Aluminium Hardware (Heavy duty)	Hardima, Everite, Jindal Aluminium, Hindalco.
10	Aluminum Extruded Profiles	Hindalco, Jindal, Nalco.
11	Aluminum Composite Panels	M/s Alutech Industries, Alucobond, Alpolic, Wonder Alu Board
12	Block Board & Plywood, Veneer	Greenlam, Century Ply, Merino, Green Ply
13	Flush Door shutters (Decorative/ Non Decorative) Factory made	Century ply board, Merino Greenply, Archid Ply
14	Fire Check Door (Wooden)	Promat, Greenlam, Mikasa.
15	Lamination sheet (Mica)	Greenlam, Marino, Century,
16	Prelaminated HD Board (Fungus, Termite, Borer, Moisture Resistant.)	Action Tesa, Century, Archidpanel, Greenlam, Merino
17	BWP-High density fibre board – Marine grade	Century, Marino, Green Ply
18	MS Fittings	Ashish, Oxford, Garg, Adarsh
19	Aluminium Fittings	Dorma, Godrej, Hettich, Hafele
20	Brass Fittings	Dorma, Godrej, Hettich, Hafele
21	SS Fittings	Dorma, Godrej, Hettich, Hafele
22	Sliding door bolt	Dorma, Godrej, Hettich, Hafele
23	Automatic sliding door system and Fittings	Ozone, Dorma, Godrej
24	UPVC window/ doors	Fenesta, Saint-Gobain, Veka, Kommerling
25	Synthetic Enamel paint	Asian Paints (Apolite Gloss), Berger (Luxol Hi-Gloss & Luxol Satin), ICI Dulux (Gloss), Birla Opus Prime (N-52/N-53/Sparkle Gloss/ Style Cover Max)
26	Water proofing cement paint	Super Snowcem, Asian Paints, Berger (Durocem)
27	Acrylic emulsion paint	Asian (Apolite All Protek), Berger (Silk Glamor), Dulux (Velvet Touch/Pearl Go), Birla Opus Prime (I-50/Calista Ever clear)
28	Premium Acrylic Emulsion	Berger (Rangoli Total Care), Asian Paints (Apolite Premium Emulsion), Nerolac (Beauty Gold Washable), Birla Opus Prime (One Pure Elegance)
29	Premium Acrylic Smooth Exterior	Berger (Weather Coat Long Life), Asian Paints (Apex Ultima Protek), Nerolac Excel Everlast, Birla Opus Prime (E-70/One

		True Look)
30	Primer for interior	Berger (Walmasta Exterior Interior), Asian (True Care), Nerolac (Premium Primer)
31	Acrylic exterior paint	Asian Paints (Apex Ultima), ICI Dulux (Weather Shield Ultra clean), NEROLAC (Excel Top Guard), Berger (Weather Coat All Guard), Birla Opus Prime (E-30/E-50/Calista Neo Star)
32	Texture Exterior Paint	Berger (Florentina Sand Stone), Asian (Rustic Texture), Dulux (Weathershield Signature)
33	POP	Snowcem Paint, Dulux, Asian Paints
34	Wall Putty	J.K. Cement, Birla white, Asian Paints
35	Acrylic distemper	Asian Paints (Tractor Uno), ICI Dulux (Duwel), Nerolac (Beauty Gold), Birla Opus Prime (D-20)
36	Duco Paint	Asian Paints, Dulux, ICI Duco Paint
37	Powder coating Paint	Asian Paints-PPG, ICI Paint.
38	Metallic Paint	Asian Paints (with Royale Play Metallics), Kansai Nerolac, Nippon Paint, Jotun
39	Bituminous Paint	Makphalt, STP, Asian.
40	Thermoplastic Road Marking Paint	Alcolite, Zigma Paints, Prime Roads, Asian Paints PPG.
41	Cement Primer	Asian Paint, Dulux, Berger Paint, Snowcem Paint, Birla Opus Prime (I-10/Calista Pro Hide)
42	Steel Primer – Red oxide	Asian Paints, Nerolac, ICI Dulux, Birla Opus (Red Oxide Primer/CMP RO Primer/ SGE
43	Wood Primer	Asian Paints, Nippon Paint, Dulux, Birla Opus
44	Wooden Flooring	Vista, Greenlam (Mikag), Action Tesa,
45	Terrazzo Tiles (Precast), Plain, Chequerred.	Nitco, Hindustan, Modern, Ultra, Unistone
46	Glazed Vitrified Tiles, Double Charge tile, Polished tile.	Kajaria, Somany, RAK
47	Cement Concrete Tiles, Hardonite Tiles	Nitco, NTC, Hindustan, KK, Dalal, Unistone
48	Glazed Ceramic tiles	Somany, Kajaria, Rak
49	C.C. Pavers	Nitco-(Rockard), K.K., Dalal
50	Interlocking Paver Block, Grass Paver, Precast CC Slab, Kerbstone, Kerb channel.	K.K., Nitco & Dalal tiles Ind.
51	G.I. Metallic Tiles of False Ceiling, Gypsum board alongwith frame, GRG tile alongwith frame.	Armstrong, Saint-Gobain (Gyproc), Dexune
52	Calcium Silicate False Ceiling System Along with supporting.	Aerolite, Armstrong,
53	Baffle False Ceiling-Aluminum/G.I.	Armstrong, Hunter Douglas, Durlum
54	Open cell steel ceiling	Aerolite, Armstrong, Durlum
55	Mineral Fibre	Armstrong, Hunter, Douglas, Durlum
56	G.I. Pipes	Tata, Jindal (Hissar), Apl Apollo
57	G.I. Fittings (Malleable Cast Iron)	UNIK, Sury, KS
58	C.P. Brass Fittings	Jaquar, Roca, Kohler
59	UPVC Pipe	Supreme, Prince, Finolex, Astral, Apollo Pipes
60	CPVC Pipe	Supreme, Prince, Finolex, Astral, Apollo Pipes
62	PE-AL-PE Pipes & Fittings (Polyethylene/ Aluminum/ Polyethylene)	Jindal, KiTEC Industries (India) Pvt. Ltd., Nexgen
63	PVC/ Synthetic Water Tank/ Loft Tank	Sintex, Sheetal, Tirupati, Apl Apollo
64	PTMT Fittings	Prayag, Shakti, Polytuf
65	Gunmetal Valves	Leader, Sant, Zoloto
66	Ball Valves	Zoloto, IBP, Leader, SANT
67	Butterfly Valves	Audco, Zoloto

68	Self Closing Pillar Taps (Pressmatic)	Jaquar, Roca, Kohler
69	Fully Hygiene hand dryer	Jaquar, Roca, Kohler
70	SMC (Sheet Moulded Compound Panel Tank)	Sintex, Amitex, Sovisy
71	Centrifugal Cast Iron LA pipes	Electro Steel, Klinga, Jai Balaji
72	Ductile Iron pipe (DI Pipe)	Jindal, Electro Steel, Tata
73	Sanitary Fixture (Chinaware)	Jaquar, Roca, Kohler, Grohe
74	Soil, Waste & Vents Pipes & Fittings	NECO, RIF, SKF, RPMF, Hepco
75	Stone Ware Pipe & Gully Traps	Perfect, Parry, Hind, HDP
76	RCC Pipes-(NP-2)	Lakshmi, Sood & Sood Jain & Co., Jain & Co.
77	C.I. Double Flanged Sluice Valves	Kirloskar, Sant, Zoloto
78	C.I Double Flanged Non Return Valves	Kirloskar, Sant, Zoloto
79	FRP Cover	Thermodrain, Fibreone, HP, Fibre Light
80	C.I. Double Covers with Frame	Neco, RIF, SKF, Electro Steel
81	DI (Ductile Iron) Manhole cover & grating	NECO, RBAC, Plazma, Nindi
82	Stainless Steel Sinks	Nilkanth, Cobra, Jayana,
83	Steel Fibre Reinforced Concrete, Manhole covers with frame	K.K. Manholes, Nitco & Dalal
84	Hubless Centrifugally Cast (Spun) Iron Pipes & Fittings	Neco, Hepco, SKF, RPMF
85	Admixture	Forsroc, Sika, BASF
86	Tile Adhesive	Pidilite, MYK Latticrete, Sika
87	Adhesive Tape, Antiskid Tapes	Norton, 3M Tapes
88	APP	Apex, M/s IWL India Limited, Asian Paints
89	Bitumen	Indian Oil, Hindustan Petroleum, Bharat Petroleum.
90	Bevelled Edge Mirror	Saint-Gobain, Modiguard, AIS
91	Damp Proof Material	Pidilite Dr. Fixit, Sika, MYK, Fosroc
92	Dash Fasteners	Hilti, Fischer, Canon, Howorth
93	Glass Door Closer Lock	Dorma, Hardwyn, Hafele
94	Drapery Rod, Venetian Blinds	Mac, Vista, Deck.
95	Roller Blinds	Vista, Hunter Douglas, Deck.
96	Epoxy Mortar	Fosroc, MYK, Sika
97	Welding Electrodes	ADVANI-OERLIKON, MODI, TATA
98	Friction Stay Hinges	Hafele, Hettich, Dorma.
99	Grass Paver	Unistone, Ultra, Shree, Dalal
100	Hydraulic Door Closer/ Floor Spring	Godrej, Dorma, Hafele, Hettich
101	Injection Grouting	Pidilite, Fosroc, Sika, BASF
102	Locks, Mortice lock, Latch, Cupboard	Dorma, Hettich, Hafele
103	Ms Pipe	Tata, Jindal (Hissar), Apl Apollo
104	Nuts, Bolts and Screws, Steel	Kundan, Priya, Atul
105	Non-Metalic Surface Hardner	MC Deritop F.H. Armstrong, NITOFLO, Fosroc
106	Poly-Sulphide Sealent	Pidilite, Choksey, Makphalt
107	Polyster Powder Coating Shades	Nerolac, J&N, Asian Paints.
108	Rolling shutters	Rama Rolling Shutters, Jyoti Rolling Shutters, Anand Industries.
109	Fire Sealant/ Fire Smoke Seal	HILTI, 3M INDIA, Fischer
110	Structural Silicone	Dow Corning, Wacker.
111	Spider Fittings	Dorma, Sevax.
112	Tempered Glass	Modi Float, Saint-Gobain,
113	Clay Tiles on Roof	Kenzai, Johnson.
114	Water Proofing Compound	Fosroc, Pidilite, MYK, Sunanda Specialty Coating, Birla Opus Prime

115	S.S. Wire mesh	Sterling Enterprises, Trimurty Welded Mesh, Tiger Brand, Grand Metal Corporation.
116	Polycarbonate Sheet	GE LEXAN, Danpalon, Gallina, DPI System, MPP
117	Glass Film for interior & Exterior	3M, Shibuza, Saint-Gobain
118	FRP Door & Chajja	Rajshree, Fiber Engineer, Selected Door Co., Fiber Techno Products.
119	Anti-termite chemicals- Chloropyriphos	Srchloro 20 TC, Vadh, Durban-20, Piramid-20
120	RMC	ULTRATECH, ACC, LAFARGE
121	Modular Kitchen accessories (Basket, Handle, Hinges, Telescopic channels etc.)	Stallion, Hettich, Hafele
122	G.I. Profile sheet of all patterns	SAIL, Tata & Jindal (Hisar), Apl Apollo (Roof tuff, Coral)
123	APP water proofing Treatment	Fosroc, Pidilite, Makphalt, Sika, Velosit
124	PVC door frames & shutters	Sintex, Rajshri Plastiwood, Finolex Plastics
125	Anti-corrosive epoxy coating	FOSROC, Sikka, Pidilite
126	Float Glass	Saint-Gobain, Modi, Ashai India
127	Reinforcement cleaning agents	FOSROC, Sikka, Armstrong Chemicals Private Limited
128	Non-re-emulsifying latex bonding	NITOBOND, FOSROC, Sikka Latex,
129	Frosted decorative sparkle film	LLUMAR, 3M
130	Glazed GRC Tiles	Unistone, Nitco, Hindustan Tiles
131	Silicon Sealant	Pidilite, Forsoc, Mcoy
132	Fibre Glass sheet	Koemmerling, Greenply
133	Melamine Polish	Asian Paints, Melamine Gold wudfin, Dulux, Pidilite, Birla Opus Allwood
134	Wood Plastic Composite Board	Alstone, Century, Aluplast
135	Hybrid Poly urea / Elastomeric water proofing material	Fosroc, Pidilite, Sika, Sunanda, Mapei
136	Furniture Items	Rockworth, Godrej, Haworth,
137	Rock Wool	ROCKWOOL Asia, Roxul Rockwool, Kanuf
138	Toughened Glass	Saint-Gobain, Asahi,
139	Polysulphide sealant	FOSROC, SIKKA, Pidilite, MYK, Laticrete, STP LTD
140	High Pressure Laminate (HPL)	Greenlam, Century, Archid Ply, Merino
141	Sunglass Film for interior & Exterior	Saint-Gobain, Shibuza, 3M
142	PVC Self adhesive decorative film	Reatec, Proton, Bodaq
143	Glass fiber wall coverings	Saint-Gobain Classic, Novelio, Newmore, Nilaya.
144	Fiber Glass Ready made door shutter & frame.	Ashoo, Everdoor Composites, Fibreways Technology, Ashish Industries FRP.
145	Glass Mosaic Tiles	Bisazza, Mridul, OPIO, Palladio, IT
146	Waterproofing Compound (Crystalline)	Kryton, Penetron, MYK, Arment, Velosit, STP Ltd.
147	Elastomeric Acrylic UV resistant liquid applied coating	Pidilite, Sika, Fosroc, Mapei
148	Moisture Resistant HDF/MDFBoard	Action Tesa, Greenpanel, Century, Greenply
149	Rock Wool Insulation	LLOYDS, ROXUL Rockwool, KANUF
150	uPVC Door/Windows Hardware	G-U, YALE, HOPPE, HIVIK
151	Cement Fibre Board	Lafarge, Century, NCPL, Everest
152	Gypsum Plaster	Ultratech, Ferrouscrete, Sakarni, Berg ER, JK Plasto MAX, Elite (90) of Gyprock
153	Cement based Ready Mix Plaster	Ultratech, MYK Arment, Saint Gobain, Ardex Endura, Ferrouscrete
154	Pre-Cast GRC Jali	Birla GRC, Unistone, Dalal
155	Polysulphide sealant	Fosroc, Sika, Pidilite, MYK, Laticrete, STP Ltd

156	Stainless Steel	JSW, SAIL, TATA Steel, JSPL
157	Curing Compound	Sika, Pidilite, Fosroc, BASF, MYK Arment, STP LTD
158	Metal / Glazed- Fire rated Door System	Pacific Fire Controls, Shakti-Hormann, Bhawani Fire
159	Anodised Aluminium Hardware (Heavy Duty)	Jindal Aluminium, BALCO, NALCO, INDALCO, HINDALCO
160	Aluminium Structural Members –Windows, Glazing and Partitions	Jindal, Hindalco, Nalco, INDALCO
161	Acoustical Tile False ceiling	Armstrong, SAINT Gobain, DEXUNE, Aerolite
162	Tile Grout	MYK Laticrete, Pidilite, BASF, Ferrouscurete
163	Modular Toilet Cubicles	Merino, Greenlam, Dormakaba
164	Hardware for Fire Check Door/ panic bar/panic trim/ door closer/ hinges/ mortise lock / Dead Lock, etc.	Dormakaba, Geze, Hormann, Briton, Becker FS
165	EPDM Gasket	IGP, Crown Gasket, Osaka
166	SS Wire Mesh	GKD, WMW, Equivalent AS Approved by Engineer in Charge
167	Deck Sheet	JSW, TATA Bluescope, Interarch, JSPL, Roofclad, Apl Apollo (Lume Tuff)
168	SELF-Drilling Screws	TW Buildex & Bousted, Corroshield, Atul Faterners ltd., Wurth, HP
169	Tactile	Somany, Kajaria, Orient Bell, Johnson, Asian (Agl), Restile, Pavit
170	Ready Mix Plaster	Birla Aerocon, Ultratech, Ramco, Weber, Laticrete
171	LGSF Frame	Tata Blue Scope, J.S.W, Essar, Ispat Steel,
172	Fibre Glass Sheet	Simcryn (Simba), Fibreways, Advance Fibre, ROOFCLAD
173	FRP Chajja, Sheet & Doors, FRP Shutters, Railings, Covers	Fibreways, Kutty, Jindal Stainless, Bhatt Fibreways, Wurth, Sika
174	Hdpe Pipes & Fittings	Supreme, Aashirvad, Oriplast
175	Revolving Doors	Dorma, Geze, Kone, Boonedam
176	Glass Railing	Q RAIL, NEKI, KICH, FAÇADE ONE, ALLY DZINE Services Pvt. Ltd
177	PU Based Elastomeric Water Proofing Material	Fosroc (Brassbond roof guard), Sikka (Sikalastic-562 IN), Mapei, Sunanda,
178	Water Proofing Primer	Fosroc (Nitoproof WB Primer), Sikka (Sikalastic-11 Primer W), Mapei, Sunanda

Note: -

- 1) Contractor has to bring samples as per above preferred brands only and Engineer in Charge shall approve one sample out of the samples brought by the contractor. The contractor has to use material of that approved sample only. No claim in this regard shall be entertained.
- 2) Items which are not included in the list but required at site, brand will be approved before use from the NIT approving authority.

GENERAL CONDITIONS FOR SUPPLY OF MATERIALS

1. The sample of all the items shall have to be got approved by the Contractor from the Engineer-in-charge before the supply commences and shall be without prejudice to the right of Engineer-in-Charge to get random samples tested out of the actual lot received.
2. The contractor shall if required furnish the manufacturer's certificate that the material supplied satisfy the requirements of the relevant specifications.
3. The Engineer-in-Charge shall 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 shall be provided by the contractor. All expenditure required to be incurred for taking sample, conveyance and packing & testing charges etc. shall be borne by the contractor himself. In case any sample particular lot fails in testing the contractor shall be bound to replace the entire lot with fresh material of prescribed specification and the rejected lot shall be returned to the contractor only after fresh lot is supplied. Testing charges shall be borne by the contractor.
4. Rejected materials shall have to be removed by the contractor at his own cost immediately of the instructions of doing so.
5. In case of any dispute regarding rejection of quality of materials the decision of the Engineer-in-charge shall be final and binding upon the contractor.
6. 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.
7. The contractor shall have to produce the cash memo to satisfy department that the material has been purchased from the authorized dealer and the **GST** has been paid.

SCHEDULE OF THEORETICAL CONSUMPTION OF MATERIALS

S. No.	Description of item	Theoretical consumption co-efficient	
1	Satna Lime Wash on walls one coat	0.01	Quintal per 10 sqm
2	White washing with lime to give and even shade		
	(a) Old work (One or more coats)	0.01	Quintal per 10 sqm
	(b) Old work (Two or more coats)	0.02	Quintal per 10 sqm
	(c) New work (Three or more coats)	0.03	Quintal per 10 sqm
3	Colour washing such as green, blue or buff to give an even shade:		
	(a) Old work (One or more coats)	0.01	Quintal per 10 sqm
	(b) Old work (Two or more coats)	0.02	Quintal per 10 sqm
4	Finishing walls with water proofing cement paint		
	(a) Old work (Two or more coats)	2.20	Kilogram per 10 sqm
	(b) New work (Two or more coats)	3.84	Kilogram per 10 sqm
5	Painting with ready mixed paint		
	(a) Old work (Two or more coats)	0.75	Litre per 10 sqm
	(b) New work (Two or more coats)	1.25	Litre per 10 sqm
6	Painting with synthetic enamel paint		
	(a) Old work (Two or more coats)	0.70	Litre per 10 sqm
	(b) New work (Two or more coats)	1.16	Litre per 10 sqm
7	Wall painting with plastic emulsion paint		
	(a) Old work (Two or more coats)	0.73	Litre per 10 sqm
	(b) New work (Two or more coats)	1.21	Litre per 10 sqm
8	Lettering with black Japan paint	0.56	Litre per 100 letters 15 cm height
9	Re-letting with black Japan paint	0.37	Litre per 100 letters 15 cm height
10	Painting flushing cistern, flush pipe and fittings with white synthetic enamel paint on external surface	0.20	Litre per each
11	Applying priming coat with		
	(a) Ready mixed pink or grey primer on wood work (hard and soft wood)	0.75	Litre per 10 sqm
	(b) Ready mixed aluminium primer on resinous wood and ply wood.	0.75	Litre per 10 sqm
	(c) Ready mixed Zinc chromate yellow primer on steel galvanized iron/steel works.	0.54	Litre per 10 sqm
12	Repainting sand cast iron/centrifugally cast (spun) iron, soil, waste, vent pipes and fittings with paint of any colour such as chocolate, grey of buff etc.		
	(a) 50mm diameter pipe	1.20	Litre per 100 metre
	(b) 75mm diameter pipe	1.80	Litre per 100 metre
	(c) 100 mm diameter pipe	2.40	Litre per 100 metre
13	Painting with black anti-corrosive bitumastic paint.		
	(a) Old work (Two or more coats)	0.57	Litre per 10 sqm
	(b) New work (Two or more coats)	0.95	Litre per 10 sqm
14	Painting (One or more coats) (on old work) on rain water, soil waste, vent pipes and fittings with black anti-corrosive bitumen.		
	(a) 50mm diameter pipe	1.011	Litre per 100 metre
	(b) 75mm diameter pipe	1.457	Litre per 100 metre
	(c) 100 mm diameter pipe	1.906	Litre per 100 metre
	(d) 150mm diameter pipe	2.816	Litre per 100 metre
15	Painting GI pipes and fittings with white paint of approved quality		
	(a) 15mm diameter pipe	0.68	Litre per 100 metre
	(b) 20mm diameter pipe	0.85	Litre per 100 metre
	(c) 25mm diameter pipe	1.07	Litre per 100 metre
	(d) 32mm diameter pipe	1.35	Litre per 100 metre

	(e) 40mm diameter pipe	1.53	Litre per 100 metre
	(f) 50mm diameter pipe	1.92	Litre per 100 metre
	(g) 80mm diameter pipe	2.81	Litre per 100 metre
16	Repainting GI pipes and fittings with white paint of approved quality		
	(a) 15mm diameter pipe	0.3533	Litre per 100 metre
	(b) 20mm diameter pipe	0.471	Litre per 100 metre
	(c) 25mm diameter pipe	0.5888	Litre per 100 metre
	(d) 32mm diameter pipe	0.7538	Litre per 100 metre
	(e) 40mm diameter pipe	0.9428	Litre per 100 metre
	(f) 50mm diameter pipe	1.1775	Litre per 100 metre
17	Finishing walls with acrylic smooth exterior paint		
	(a) New work(Two or more coats)	1.67	Litre per 10 sqm
	(b) Old work (Two or more coats)	1.67	Litre per 10 sqm
	(c) Old work (One or more coats)	0.90	Litre per 10 sqm
18	Finishing walls with Premium Acrylic smooth exterior paint		
	(a) New work(Two or more coats)	1.43	Litre per 10 sqm
	(b) Old work (Two or more coats)	1.43	Litre per 10 sqm
	(c) Old work (One or more coats)	0.83	Litre per 10 sqm
19	Distempering with oil bound washable distemper		
	(a) New work(Two or more coats)	1.50	kg. per 10 sqm
	(b) Old work (Two or more coats)	1.50	kg. per 10 sqm
	(c) Old work (One or more coats)	1.00	kg. per 10 sqm
20	All other non schedule items	As per description of item	

Annexure-XVIII (FORM 31)
INDENTURE FOR SECURED ADVANCES

(Referred to in paragraphs 10.2.20 and 10.2.22 of CPW A Code) (For use in cases in which the contract is for finished work and the contractor has entered into an agreement for the execution of a certain specified quantity of work in a given time) THIS INDENTURE made the..... day of20..... BETWEEN (hereinafter called the Contractor which expression shall where the context so admits or implies be deemed to include his executors administrators and assigns) of the one part and the PRESIDENT OF INDIA (hereinafter called the President which expression shall where the context so admits or implies be deemed to include his successors in office and assigns) of the other part. WHEREAS by an agreement dated..... (hereinafter called the said agreement) the Contractor has agreed AND WHEREAS the Contractor has applied to the President that he may be allowed advances on the security of materials absolutely belonging to him and brought by him to the site of the works the subject of the said agreement for use in the construction of such of the works as he has undertaken to execute at rates fixed for the finished work (inclusive of the cost of materials and labour and other charges) AND WHEREAS the President has agreed to advance to the Contractor the sum of Rupees on the security of materials the quantities and other particulars of which are detailed in Accounts of Secured Advances attached to the Running Account Bill for the said works signed by the Contractor onand the President has reserved to himself the option of making any further advance or advances on the security of other materials brought by the Contractor to the site of the said works. Now THIS INDENTURE WITNESSETH that in pursuance of the said agreement and in consideration of the sum of Rupeeson or before the execution of these presents paid to the Contractor by the President (the receipt whereof the Contractor doth hereby acknowledge) and of such further advances (if any) as may be made to him as aforesaid the Contractor doth hereby covenant and agree with the President and declare as follows: -

- (1) That the said sum of Rupeesso advanced by the President to the Contractor as aforesaid and all or any further sum or sums advanced as aforesaid shall be employed by the Contractor in or towards expediting the execution of the said works and for no other purpose whatsoever.
- (2) That the materials detailed in the said Account of Secured Advances which have been offered to and accepted by the President as security are absolutely the Contractor's own property and free from encumbrances of any kind and the contractor will not make any application for or receive a further advance on the security of materials which are not absolutely his own property and free from encumbrances of any kind and the Contractor indemnifies the President against all claims to any materials in respect of which an advance has been made to him as aforesaid.
- (3) That the materials detailed in the said Account of Secured Advances and all other materials on the security of which any further advance or advances may hereafter be made as aforesaid (hereinafter called the said materials) shall be used by the Contractor solely in the execution of the said works in accordance with the directions of the Divisional Officer Division (hereinafter called the Divisional Officer) and in the term of the said agreement.
- (4) That the Contractor shall make at his own cost all necessary and adequate arrangements for the proper watch, safe custody and protection against all risks of the said materials and that until used in construction as aforesaid the said materials shall remain at the site of the said works in the Contractor's custody and on his own responsibility and shall at all times be open to inspection by the Divisional Officer or any officer authorised by him. In the event of the said materials or any part thereof being stolen, destroyed or damaged or becoming deteriorated in a greater degree than is due to reasonable use and wear thereof the Contractor will forthwith

replace the same with other materials of like quality or repair and make good the same as required by the Divisional Officer.

(5) That the said materials shall not on any account be removed from the site of the said works except with the written permission of the Divisional Officer or an officer authorised by him on that behalf.

(6) That the advances shall be repayable in full when or before the Contractor receives payment from the President of the price payable to him for the said works under the terms and provisions of the said agreement. Provided that if any intermediate payments are made to the Contractor on account of work done than on the occasion of each such payment the President will be at liberty to make a recovery from the Contractor's bill for such payment by deducting there from the value of the said materials then actually used in the construction and in respect of which recovery has not been made previously, the value for this purpose being determined in respect of each description of materials at the rates at which the amounts of the advances made under these presents were calculated.

(7) That if the Contractor shall at any time make any default in the performance or observance in any respect of any of the terms and provisions of the said agreement or of these presents the total amount of the advance or advances that may still be owing to the President shall immediately on the happening of such default be repayable by the Contractor to the President together with interest thereon at twelve per cent per annum from the date or respective dates of such advance or advances to the date of repayment and with all costs charges, damages and expenses incurred by the President in or for the recovery thereof or the enforcement of this security or otherwise by reason of the default of the Contractor and the Contractor hereby covenants and agrees with the President to repay and pay the same respectively to him accordingly.

(8) That the Contractor hereby charges all the said materials with the repayment to the President of the said sum of Rupeesand any further sum or sums advanced as aforesaid and all costs charges, damages and expenses payable under these presents PROVIDED ALWAYS and it is hereby agreed and declared that notwithstanding anything in the said agreement and without prejudice to the powers contained therein if and whenever the covenant for payment and repayment herein before contained shall become enforceable and the money owing shall not be paid in accordance therewith the President may at any time thereafter adopt all or any of the following courses as he may deem best :-

(a) Seize and utilize the said materials or any part thereof in the completion of the said works on behalf of the Contractor in accordance with the provisions in that behalf contained in the said agreement debiting the Contractor with the actual cost of effecting such completion and the amount due in respect of advances under these presents and crediting the Contractor with the value of work done as if he had carried it out in accordance with the said agreement and at the rates thereby provided. If the balance is against the Contractor he is to pay same to the President on demand.

(b) Remove and sell by public auction the seized materials or any part thereof and out of the moneys arising from the sale retain all the sums aforesaid repayable or CON 297 Page 26 payable to the President under these presents and pay over the surplus (if any) to the Contractor. (c) Deduct all or any part of the moneys owing out of the security deposit or any sum due to the Contractor under the said agreement.

(9) That except in the event of such default on the part of the Contractor as aforesaid interest on the said advance shall not be payable.

(10) That in the event of any conflict between the provisions of these presents and the said agreement the provisions of these presents shall prevail and in the event of any dispute or difference arising over the

construction or effect of these presents the settlement of which has not been herein before expressly provided for the same shall be finally resolved as per provisions of clause 25 of the contract.

In witness whereof the saidandby the order and under the direction of the President have hereunto set their respective hands the day and year first above written.

Signed, sealed and delivered by..... the said contractor in the presence of

Signature

Witness Name

Address

Signed by.....

by the order and direction of the President in the presence of

Signature

Witness Name

Address

APPENDIX – XVII (Refer Clause 5)

FORM OF APPLICATION BY THE CONTRACTOR FOR SEEKING EXTENSION OF TIME

1. Name of contractor
2. Name of work as given in the agreement
3. Agreement no
4. Estimated amount put tender
5. Date of commencement of work as per agreement
6. Period allowed for completion of work as per agreement
7. Date of completion stipulated in agreement
8. Period for which extension of time if has been given by authority in Schedule ‘F’ previously

	Letter no. and date	Extension granted	
		Months	Days
(a) 1st extension			
(b) 2nd extension			
(c) 3rd extension			
(d) 4th extension			
(e) Total extension previously given			

9. Reasons for which extension have been previously given (copies of the previous applications Should be attached)
10. Period for which extension if applied for
11. Hindrances on account of which extension is applied for with dates on which hindrances Occurred and the period for which these are likely to last (for causes under clause 5.2/ and 5.3). Submitted to the Authority indicated in Schedule F with copy to the Engineer-in-charge and Sub Divisional Officer

Signature of Contractor

Dated.

Schedule of Work

Name of work:- Structural Repair & Rehabilitation work in various type of Qtrs. at Sector-7, R.K. Puram, New Delhi during 2026-27.

S. No	Description	Qty.	Unit	Rate	Amount
Sub Head-I Civil Works (A)					
1	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:				
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)	13	cum	9895.20	128638.00
2	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	1062	metre	78.40	83261.00
3	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of size 300X600 mm or more as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3(1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	3823	sqm	1267.95	4847373.00
4	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	7749	kg	133.70	1036041.00
5	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
5.1	110 mm diameter	1347	metre	377.40	508358.00
6	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.				
6.1	Bend 87.5°				
6.1.1	110 mm bend	449	each	150.35	67507.00

7	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chollies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge. The elevational area of the scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding. Note: - This item to be used for maintenance work judicially, necessary deduction for scaffolding in the existing item to be done.	19000	sqm	338.25	6426750.00
8	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	26	cum	3551.25	92333.00
9	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer-in-charge.	34	sqm	1147.20	39005.00
10	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.	68341	sqm	54.65	3734836.00
11	Providing and fixing soil, waste and vent pipes :				
11.1	100 mm dia				
11.1.1	Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	1347	metre	1180.75	1590470.00
11.2	75 mm diameter :				
11.2.1	Centrifugally cast (spun) iron socketed pipe as per IS: 3989	1347	metre	1186.00	1597542.00
12	Providing and filling the joints with spun yarn, cement slurry and cement mortar 1:2 (1 cement : 2 fine sand) in S.C.I./ C.I. Pipes :				
12.1	75 mm dia pipe	1796	each	168.20	302087.00
12.2	100 mm dia pipe	1796	each	198.15	355877.00
13	Providing, erecting, maintaining and removing temporary protective screens made out of specified fabric with all necessary fixing arrangement to ensure that it remains in position for the work duration as required by the Engineer-in-charge.				
13.1	Wooven PVC cloth	23900	sqm	54.25	1296575.00
	Total				22106653.00
	Multiplying correction factor (0.973) for modification rates of DSR 2023 (A)				21509773.00
	Based on DSR				

14	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means including loading, unloading to C & D waste management site near Jahangir Puri Safai Karamchari Quarters at Burari plant or Shastri Park or Mundaka, New Delhi beyond 50m initial lead, for all leads including all lifts. The processing fee of C & D Management at prescribed rates shall be submitted by the agency along with each running/ final bill and the same shall be reimbursed by the department on the production of original cash receipts. Note:- The payment of this Item shall be made only when the verified copy of processing fee shall be attached with the bill.	2690	MT	622.90	1675601.00
15	Deduct for not using scaffolding for against item nos. :				
15.1	Against Item no. 17, Providing and applying Ready Mix Plaster of approved brand and manufacturer, having minimum compressive Strength of 6.0MPa, of specified thickness in one coat on new/old surface of walls/ceiling, using factory produced, pre-blended, premixed, formulated ready-mix mortar supplied in dry form requiring only the addition of water at the site before start of application, and including applying Portland cement slurry @0.40Kg/Sqm applied on hacked/uneven background such as bare brick/CC and Block/RCC surface after preparation of surface etc. complete as per manufacturer's specification finished in smooth line and level at locations and all floors. 12mm thick	63889	sqm	-3.95	-252362.00
15.2	Against Item no. 10, 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.	68341	sqm	-0.45	-30753.00
15.3	Against Item no. 22.1, Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect. SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 kg cement per sqm of surface area mixed with specified proportion of approved polymer.	12214	sqm	-1.25	-15268.00
15.4	Against Item no. 23.1, Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. Note: Measurement and payment: The premeasurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75mm size cube crushing strength at the end of 28 days to be not less than 30N/Sqm).	4700	sqm	-7.90	-37130.00

15.5	Against Item no. 13.1, Providing, erecting, maintaining and removing temporary protective screens made out of specified fabric with all necessary fixing arrangement to ensure that it remains in position for the work duration as required by the Engineer-in-charge. a) Wooven PVC cloth.	23900	sqm	-3.45	-82455.00
	Total				1257633.00
	Total (A+B)				22767406.00
	Add Cost Index @ 4.03%				917526.00
	Total (B)				23684932.00
	Based on Market Rate				
16	Deduct for taking away of SCI pipe and fitting centrifugally cast(spun) iron pipes and fittings, CI flushing cistern, GI pipes and fittings, steel doors, windows, ventilators, grill round or steel bars etc. and the like received from dismantling. The material so received shall be the property of contractor dismantling duly weighed/measured before removing from the site in the presence of Engineer-in-charge or his authorised representative complete. Nothing extra shall be paid for dismantling.	4050	kg	-35.00	-141750.00
	Total (C)				-141750.00
	(Sub Head - I) Total (B+C)				23543182.00
Sub Head- II Structural Repair & Rehabilitation Work (B)					
17	Providing and applying Ready Mix Plaster of approved brand and manufacturer, having minimum compressive Strength of 6.0MPa, of specified thickness in one coat on new/old surface of walls/ceiling, using factory produced, pre-blended, premixed, formulated ready-mix mortar supplied in dry form requiring only the addition of water at the site before start of application, and including applying Portland cement slurry @0.40Kg/Sqm applied on hacked/uneven background such as bare brick/CC and Block/RCC surface after preparation of surface etc. complete as per manufacturer's specification finished in smooth line and level at locations and all floors.				
17.1	12mm thick	54494	sqm	488.80	26636667.00
18	Grading roof for water proofing treatment with				
18.1	Cement mortar 1:4 (1cement : 4 coarse sand)	128	cum	15155.60	1939917.00
19	Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer- in-Charge.	2554	sqm	563.10	1438157.00

20	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge				
20.1	50 mm average thickness	2819	sqm	256.35	722651.00
20.2	25 mm average thickness	9395	sqm	126.75	1190816.00
21	Cleaning of reinforcement from rust from the reinforcing bars to give it a total rust free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry, all complete as per direction of Engineer-In-Charge.				
21.1	Bars upto 12 mm diameter	13040	metre	8.25	107580.00
22	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer- In-charge complete in all respect.				
22.1	SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 kg cement per sqm of surface area mixed with specified proportion of approved polymer	12214	sqm	141.20	1724617.00
23	Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75 mm size cube crushing strength at the end of 28 days to be not less than 30 N/Sqmm2).				
23.1	25 mm average thickness in 2 layers.	4700	sqm	587.35	2760545.00
24	Shotcreting R.C.C. columns, beams and slabs etc. in layers with approved design mix concrete having the specified minimum characteristic compressive strength [with ordinary portland cement, coarse sand and graded stone aggregate of 10 mm maximum size in proportion as per design criteria] including the cost of centering and shuttering at edges and corners etc. as directed by Engineer- in-Charge Note: Rates shall include the providing necessary ground wires etc. The levelling gauges, if used, shall be paid for separately. Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding/tapping with a blunt metal instrument.				
24.1	25 mm thick in Grade M25 with cement content not less than 330 kg per cum	4698	sqm	746.90	3508936.00

24.2	50 mm thick in Grade M25 with cement content not less than 330 kg per cum	2819	sqm	1151.05	3244810.00
25	Providing and fixing hard drawn steel wire fabric of size 75 x25 mm mesh or other suitable size wire mesh to be fixed & firmly anchored to the concrete surface by means of “L” shaped mild steel shear key welded with existing reinforcement including the cost of materials, labour, tool & plants as approved by Engineer-in-charge.	7516	sqm	902.55	6783566.00
	Total				50058262.00
	Multiplying correction factor (0.973) for modification rates of DSR 2023 (E)				48706689.00
	Based on DSR				
26	Providing and fixing horizontal chajja of stone 45 mm to 50 mm thick and upto 80 cm projection in cement mortar 1:4 (1 cement : 4 coarse sand), supported on M.S. Angles/Brackets etc fixed in walls upto floor five levels excluding the cost of M.S. Angles/Brackets : Red sand stone 45 mm to 50 mm thick	323	sqm	1207.10	389893.00
	Total (F)				389893.00
	Total (E+F)				49096582.00
	Add Cost Index @ 4.03%				1978592.00
	Total (G)				51075174.00
	Based on Market Rate				
27	Providing and placing in position Micro concrete which shall be cement based prepacked single component, chloride free, non-shrink, free flow self-compacting ready to use after mixing water in specified proportion obtained from manufacturer as per specification and directions of Engineer In charge (Payment under this item shall be made only after proper curing has been done and surface has been satisfactorily evaluated by sounding/tapping with blunt metal Instrument.)	8.50	cum	47894.95	407107.00
28	Providing and applying on reinforcing bars zinc rich primar (FOSROC NITOZINC) of approved make with paint brush and after cleaning with wire brush all complete as per direction of Engineer-In-Charge.	12214	metre	23.05	281533.00
29	Providing, applying water based concrete curing compound to concrete surface as per specification & direction of Engineer - in -charge.	12214	sqm	135.95	1660493.00
	Total (H)				2349133.00
	(Sub Head - II) Total (G+H)				53424307.00
	(Sub Head - I + Sub Head - II) Gross Total				76967489.00

Price Bid

**कार्य का नाम:— Structural Repair & Rehabilitation work in various type of Qtrs. at Sector-7, R.K. Puram, New Delhi during 2026-27.
(Tender Id:- 170047)**

NIT No.:- 37/CE/NDZ-3/2026-27 and 72/EE/M-Div./2026-27 (2nd Call)

Sl. No.	SUB-HEAD	AMOUNT	Remarks	% above/below
1	2	3	4	5
1	Civil Works	₹ 7,69,67,489.00	-	

Note: -

- 1. The agencies are requested to quote Percentage above and below for above sub head otherwise tender will be rejected.**
- 2. Agency should go through preferred make list on page No. 48 to 52 before quoting rate.**