

I N D E X

Name of work & Location

Special repair and white wash work for Ground floor & First floor at office Addl. DG(T) , UP (East) LSA, CTO Compound , Hazratganj, Lcknow.

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NIT amounting to Rs. 2,96,811/- (Rupees Two Lakh Ninety-Six Thousand Eight Hundred Eleven only) is approved.

Certified that this N.I.T. contains 1 to 70 (One to Seventy) pages only.

**Assistant Engineer,
Sub Division – III,
CPWD, Lucknow.**

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PART-A

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INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR E-TENDERING FORMING PART OF BID DOCUMENT AND TO BE POSTED ON WEBSITE

(Applicable for inviting open bids)

The **Assistant Engineer, Sub Division - III, C.P.W.D., Lucknow** on behalf of President of India invites **online Percentage rate bids** from approved and eligible contractors of CPWD for the following work(s):

S. No.	NIT NO.	Name of work and location	Estimated cost put to bid	Earnest Money	Period of Completion	Last date & time of submission of bid, original EMD, copy of receipt or deposition of original EMD and other Document as specified in the bid document	Time & date of opening of tender
1	2	3	4	5	6	7	8
1	43/EE/Lucknow-I/26.27/05/AE-III/2026-27	Special repair and white wash work for Ground floor & First floor at office Addl. DG(T), UP (East) LSA, CTO Compound, Hazratganj, Lucknow.	Civil Work:- Rs. 2,96,811/-	Rs. 5936/-	01 Month	Upto 15:00 Hrs. on 01.09.2026	At 15:30 Hrs. on 01.09.2026
			Total :- Rs. . 2,96,811/-				

- The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he consider himself eligible and he is in possession of all the documents required.
- Information and Instructions for bidders posted on website shall form part of bid document.
- The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <https://etender.cpwd.gov.in> or www.cpwd.gov.in
- The bid can only be submitted after depositing of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned

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documents such as Demand Draft or Pay order or Banker's Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any Scheduled Bank towards EMD in favour of Executive Engineer as mentioned in NIT, receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE/AE), CPWD and other documents as specified.

5. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
6. The intending bidder must have valid class-III digital signature to submit the bid.
7. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
8. Contractor can upload documents in the form of **JPG** format and **PDF** format.
9. Contractor must ensure to quote rate in the column (5) meant for quoting rate in figures appears in pink colour and the moment rate is entered, it turns sky blue.
In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (**ZERO**).
However, if a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section/sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

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

- I. Copy of receipt for deposition of original EMD issued from division office of any Executive Engineer (including NIT issuing EE/AE), CPWD.
- II. Treasury Challan/Demand Draft/Pay order or Bankers Cheque /Deposit at Call Receipt/FDR of any Scheduled Bank against EMD.
- III. Enlistment Order of the Contractor along with all modifications therein.
- IV. GST Certificate of Registration, if already obtained by the bidder.

'or'

 (B) Undertaking: If the bidder has not obtained GST registration as applicable, then he shall scan and upload following undertaking along with bid documents.
 "If the work is awarded to me, I/We shall obtain GST registration Certificate, as applicable, within one month from 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.
- V. Undertaking for site inspection: Intending bidders must upload Undertaking regarding site inspection: **"I/we have inspected and examined the site of work and it's surrounding and fully satisfy before submitting my/our bids."**
- VI. Copy of agency letter head having valid E-mail ID and Mobile Number.

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Annexure-I.

RECEIPT OF DEPOSITION OF ORIGINAL EMD

(Receipt No. / date

Name of Work: Special repair and white wash work for Ground floor & First floor at office Addl. DG(T) , UP (East) LSA, CTO Compound , Hazatganj, Lcknow.

1. NIT No. : **43/EE/Lucknow-I/26.27/05/AE-III/2026-27**

2. Estimated Cost : **Rs. 2,96,811/-**

3. Amount of Earnest Money Deposit: **Rs. 5,936/-**
(In Favour of Executive Engineer, Lucknow Central Division-I, CPWD, Lucknow)

4. Last date & Time of submission of Bid : 15:00 Hrs. on **01.09.2026**

Name of Contractor:

1. Form of EMD

2. Amount of Earnest Money Deposit

3. Date of submission of EMD

.....

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

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AE – III

CPWD-6 FOR e-Tendering

1. Item rate/percentage rate bids are invited on behalf of President of India from approved and eligible contractors of CPWD for the Work of **Special repair and white wash work for Ground floor & First floor at office Addl. DG(T), UP (East) LSA, CTO Compound, Hazatganj, Lcknow** Student activity Centre etc. 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 **₹ 2,96,811/-**. This estimate, however, is given merely as a rough guide.
- 1.1.1 The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the bids. He will also nominate Division which will deal with all matters relating to the invitation of bids. For composite bid, besides indicating the combined estimated cost put to bid, should clearly indicate the estimated cost of each component separately. The eligibility of bidders will correspond to the combined estimated cost of different components put to bid.
2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7/8 (or other Standard Form as mentioned) which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **01 Month** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. The site for the work is available.
5. The architectural and structural drawings shall be made available in phased manner, as per requirement of the same as per approved program of completion submitted by the contractor after award of work. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website <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 bids are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.
9. Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque (for balance amount as prescribed)

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from any of the Commercial Banks (**drawn in favour of Executive Engineer, Lucknow Central Division-I, CPWD, Lucknow**) shall be scanned and uploaded on the e-Tendering website within the period of bid submission. The original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.

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

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

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

The bid submitted shall be opened at **03:30 PM on 01.09.2026**

10. The bid submitted shall become invalid and e-Tender processing fee shall not be refunded if:
 - (i) The bidder is found ineligible.
 - (ii) The bidder does not upload scanned copies of all the documents stipulated in the bid document.
 - (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.
 - (iv) If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
11. The contractor whose bid is accepted will be required to furnish performance guarantee in favour of **Executive Engineer, Lucknow Central Division-I, CPWD, Lucknow** at specified percentage of the tendered amount as mentioned in schedule E and within the period specified in Schedule F. This guarantee shall be in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or

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

12. **The description of the work is as follows:** Special repair and white wash work for Ground floor & First floor at office Addl. DG(T), UP (East) LSA, CTO Compound, Hazratganj, Lcknow.

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

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

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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 Housing and Urban Affairs. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

17. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
18. 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.
19. This notice inviting Bid shall form a part of the contract document. The successful bidder/contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-
 - (a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
 - (b) Standard C.P.W.D. Form 7/8 or other Standard C.P.W.D. Form as applicable.
 20. **For Composite Bids**

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20.1.1 The Executive Engineer in charge of the major component 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.

20.1.2 The bid document will include 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 2014 as amended/ modified up to 2020.

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.

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

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

20.1.5 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 in charge of major component and has also to sign two or more copies of agreement depending upon number of EE's/DDH in charge of minor components. One such signed set of agreement shall be handed over to EE/DDH in charge of minor component(s).

EE of major component will operate Part A and Part B of the agreement.

EE/DDH in charge of minor component(s) shall operate Part- C alongwith Part A of the agreement.

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

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

20.1.8 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).

20.1.9 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.

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- 20.1.10 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.
- 20.1.11 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.
- 20.1.12A. 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.
- 20.1.12B. 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.
- 20.1.13 **In case of non-availability of budget or any other unforeseen situation the scope of work may be reduced. In case of reduction in scope of work no claim on account of reduction in value of work, loss of expected profit, consequential overheads etc. shall be payable to the contractor.**
21. Integrity Pact: The contractor shall download the Integrity Pact, which is a part of tender documents, affix his signature in the presence of a witness, and upload the same while submitting online bids for all works of estimated cost put to tender equal or more than the threshold value given in Schedule-F. In the event of his failure to sign and upload the Integrity Pact along with other bid documents, his bid shall be rejected.
22. 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:0522-2329438, e-mail : eeclcd1.cpwdlu-up@nic.in) or ERP helpline no. 18001803286 or e-mail Id cpwd.support@techmahindra.com The e- tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.

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INTEGRITY PACT

To,

Sub: NIT No. 43/EE/Lucknow-I/26.27/05/AE-III/2026-27 For the work of "Special repair and white wash work for Ground floor & First floor at office Addl. DG(T), UP (East) LSA, CTO Compound, Hazatganj, Lcknow."

Dear Sir,

It is here by declared that CPWD is committed to follow the principle of transparency, equity and competitiveness in public procurement.

The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Bidder will sign the integrity Agreement, which is an integral part of tender / bid documents, failing which the tenderer / bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the CPWD.

Yours faithfully

**Assistant Engineer,
Sub Division – III,
CPWD, Lucknow.**

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AE – III

To,

Assistant Engineer,
Sub Division – III,
CPWD, Lucknow.

Sub: Submission of Tender for the work of "Special repair and white wash work for Ground floor & First floor at office Addl. DG(T), UP (East) LSA, CTO Compound, Hazratganj, Lcknow."

Dear Sir,

I / We acknowledge that CPWD is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document.

I / We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender documents, failing which I/We will stand disqualified from the tendering process. I/We acknowledge that THE MAKING OF THE BID SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE of this condition of the NIT.

I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by CPWD. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

I/We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the tender/bid, CPWD shall have unqualified, absolute and unfettered right to disqualify the tenderer/bidder and reject the tender/bid in accordance with terms and conditions of the tender/bid.

Yours faithfully

(Duly authorized signatory of the Bidder)

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AE – III

To be signed by the bidder and same signatory competent / authorised to sign the relevant contract on behalf of CPWD.

INTEGRITY AGREEMENT

This Integrity Agreement is made at on this day of20.....

BETWEEN

President of India represented through **Assistant Engineer, Sub Division – III, CPWD, Lucknow** (Hereinafter referred as the '**Principal/Owner**', which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

AND

..... (Name and Address of the Individual/firm/Company) through (Hereinafter referred to as the (Details of duly authorized signatory))

"**Bidder/Contractor**" and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

Preamble

WHEREAS the Principal/Owner has floated the Tender (**43/EE/Lucknow-I/26.27/05/AE-III/2026-27**) (hereinafter referred to as "Tender/Bid") and intends to award, under laid down organizational procedure, contract for "**Special repair and white wash work for Ground floor & First floor at office Addl. DG(T) , UP (East) LSA, CTO Compound , Hazatganj, Lcknow.**"

AND WHEREAS the Principal / Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as "**Integrity Pact**" or "**Pact**"), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

Article 1: Commitment of the Principal / Owner

- 1) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:
 - (a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

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- (b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
 - (c) The Principal / Owner shall endeavor to exclude from the Tender process any person, whose conduct in the past has been of biased nature.
- 2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC) / Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article 2: Commitment of the Bidder (s) / Contractor (s)

- 1) It is required that each Bidder / Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government / Department all suspected acts of **fraud or corruption or Coercion or Collusion** of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.
- 2) The Bidder(s) / Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
- a) The Bidder(s) / Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal / Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
 - b) The Bidder(s) / Contractor (s) will not enter with other Bidder (s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
 - c) The Bidder(s) / Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s) / Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 - d) The Bidder(s)/ Contractor(s) of foreign origin shall disclose the names and addresses of agents / representatives in India, if any. Similarly

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Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.

- d) The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose (with each tender as per Performa enclosed) any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract
- 3) The Bidder(s) / Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 4) The Bidder(s) / Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice means a willful misrepresentation or omission of facts or submission of fake / forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.
- 5) The Bidder(s) / Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his / her reputation or property to influence their participation in the tendering process).

Article 3: Consequences of Breach

Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal / Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder / Contractor accepts and undertakes to respect and uphold the Principal / Owner's absolute right:

- 1) If the Bidder (s) / Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate / determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal / Owner. **Such exclusion may be forever or for a limited period as decided by the Principal/Owner.**

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2) **Forfeiture of Performance Guarantee / Security Deposit:**

If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder / Contractor.

3) **Criminal Liability:** If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of Indian Penal code (IPC)/Prevention of Corruption Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article 4: Previous Transgression

- 1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.
- 2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holding listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.
- 3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors

- 1) The Bidder(s) / Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder / Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Sub-contractors/sub-vendors.
- 2) The Principal / Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.
- 3) The Principal / Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

Article 6- Duration of the Pact

This Pact begins when both the parties have legally signed it. It expires for the Contractor / Vendor 45 Days after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.

If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, CPWD.

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Article 7- Other Provisions

- 1) This Pact is subject to Indian Law, place of performance and jurisdiction is the **Head quarters of the Division** of the Principal / Owner, who has floated the Tender.
- 2) Changes and supplements need to be made in writing. Side agreements have not been made.
- 3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
- 4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this **Integrity Agreement/ Pact or interpretation** there of shall not be subject to arbitration.

Article 8- LEGAL AND PRIOR RIGHTS

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender / Contract documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

(For and on behalf of Principal/Owner)

(For and on behalf of Bidder/Contractor)

WITNESSES:

1. (Signature, name and address)
2. (Signature, name and address)

Place: -

Dated:

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**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

PERCENTAGE RATE TENDER & CONTRACT FOR WORKS

(A) Tender for the work of: **Special repair and white wash work for Ground floor & First floor at office Addl. DG(T) , UP (East) LSA, CTO Compound , Hazatganj, Lcknow.**

(i) To be uploaded by **15:00 Hrs. 01.09.2026** at <https://etender.cpwd.gov.in>

(ii) To be opened in presence of tenderers who may be present at **15:30 Hrs.** on **01.09.2026** in the office of **Assistant Engineer, Sub Division – III, CPWD, Lucknow.**

TENDER

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

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all 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 **Month (30) Days** from the due date of its opening and not to make any modification in its terms and conditions.

A sum of **₹ 5,936/-** is hereby forwarded in Cash/Receipt Treasury Challan/Deposit at call Receipt of a Scheduled Bank/Fixed deposit receipt of scheduled bank/demand draft of a scheduled bank/bank guarantee issued by scheduled bank as earnest money. If I/we, fail to furnish the prescribed performance guarantee or fail to commence the work 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 of commence work as specified, I/we agree that President of India or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, up to maximum of the percentage mentioned in Schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

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Further, I/We agree that in case of my self / our self becoming label for action as per my/our EMD declaration or forfeiture of 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 Performance Guarantee.

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

Dated _____ ** _____

Witness: **
Address: **
Occupation: **

**
Signature of contractor
Postal Address **

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ACCEPTANCE

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

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

(a) _____

(b) _____

(c) _____

For & on behalf of President of India

Signature

.....

Dated:

.....

Designation

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PROFORMA OF SCHEDULES

(Separate Performa for Civil& Elect. Works in case of Composite Tenders) (Operative Schedules to be supplied separately to each intending tenderer)

SCHEDULE 'A'

Schedule of quantities (Attached Page No. 68-70)

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 As attached in tender form work, if any.

SCHEDULE 'E'

Reference to General Conditions of contract – **GCC 2023 Maintenance Work** as amended/modified upto day previous to last date of submission of bid.

Name of Work: Special repair and white wash work for Ground floor & First floor at office Addl. DG(T), UP (East) LSA, CTO Compound, Hazatganj, Lcknow.	
Estimated cost of the work:	
Civil Items of Work	Rs. 2,96,811/-
Electrical works:	--
Total	Rs. 2,96,811/-
Earnest money	Rs. 5,936/-
	(To be returned after receiving of Performance Guarantee)
Performance Guarantee	(a) 5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher). (b) Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.
Security Deposit	2.5% of the tendered value of the work or 2.5% of tendered value plus 50% of PG for contracts involving maintenance of the building and services/other work after construction of same building and services/other work.

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SCHEDULE 'F'**GENERAL RULES & DIRECTIONS:**

Officer inviting tender	Assistant Engineer, Sub Division – III, CPWD, Lucknow.
Maximum percentage of quantity of items of work to be executed beyond which rates are to be determined in accordance with Clause 12.2.& 12.3	See at appropriate clause under definitions

Definitions:

2(v)	Engineer-in-Charge	
	For Civil items of work	Assistant Engineer, Sub Division – III, CPWD, Lucknow.
	For Electrical items of work	Assistant Engineer (Elect.), Lucknow Electrical, C.P.W.D., Lucknow.
2(viii)	Accepting Authority	Assistant Engineer, Sub Division – III, CPWD, Lucknow.
2(x)	Percentage on cost of materials and labour to cover all overheads and profits	15%
2(xi)	Standard Schedule of Rates:	
	Civil Items of Work:	Delhi Schedule of rate 2023 (Civil) with correction slips issued upto day previous to last date of submission of tender.
	Electrical Items of Work:	As mentioned in electrical part
2(xii)	Department:	Central Public Works Department
9(ii)	Standard CPWD contract Form:	CPWD form 7 (Print edition-2020) as modified Standard CPWD contract Form & corrected upto day previous to last date of submission of tender
Clause 1	i) Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance ii) Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period as provided in (i) above	05 Days 03 Days
Clause 2	Authority for fixing Compensation under Clause 2	Chief Engineer (Lucknow) CPWD, Lucknow. Or successor thereof
Clause 2 A	Whether Clause 2A shall be applicable	NO
Clause 5	i) Number of days from the date of issue of letter of acceptance for reckoning date of start	07 Days
	ii) Time allowed for execution of work.	01 (One) Month

Mile Stone-----Page No. 67

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Authority to decide

- (i) Extension of time Assistant Engineer, Sub Division – III, CPWD, Lucknow.
- (ii) Rescheduling of mile stone Chief Engineer (Lucknow), CPWD, Lucknow.
- (iii) Shifting of date of start in case of delay in handing over of site Chief Engineer (Lucknow), CPWD, Lucknow.

Schedule of handing over the site

Part	Portion of site	Description	Time period for handing over reckoned from date of issue of letter of intent
Part-A	Portion without any hindrance	Full site	07 (Seven) days
Part-B	Portion with encumbrances	NA	NA
Part-C	Portion dependent on work of other agencies	NA	NA

Clause 6	E-MB shall be recorded in ERP Portal	
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. 2.20 lacs
Clause 7A	Whether Clause 7A shall be applicable	Yes
Clause 8A	Authority to decide compensation on account if contractor fails to submit compensation plans	Chief Engineer, Lucknow, CPWD Lucknow.
Clause 10A	List of testing equipment to be provided by the contractor at site lab.	Not applicable
Clause 10 B (ii) & 10B (iii)	Whether clause 10-B (ii) shall be applicable. Whether clause 10-B (iii) shall be applicable.	Not applicable Not applicable

Clause 10 C**Not Applicable****Clause 10CA**

:

Not Applicable

Sl. No.	Materials covered under this clause.	Nearest material (other than cement*, reinforcement bars and structural steel) for which All India Wholesale Price Index is to be followed.	Base price and corresponding period of all the materials covered under clause 10 CA	
			Base Price (without GST) (Per tonne)	Corresponding Period
1	Cement (PPC)	--		
2	Steel (TMT Bars) reinforcement	--		
3	Structural Steel	--		

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Clause 10 CC	Increase / Decrease in Price of materials / wages	Not Applicable
Clause 11	Specification to be followed for execution of work:	
For Civil items of work	CPWD Specifications 2019 Vol. 1 and Vol. 2 with correction slips issued up to day previous to last date of submission of tender (Hereinafter called CPWD specifications also)	
For Electrical items of work	As per electrical component	
Clause 16	Competent Authority for Deciding reduced rates:	
	For Civil items of work	Chief Engineer (Lucknow), CPWD, Lucknow or his successor thereof
Clause 18	List of mandatory machinery, tools & plants to be deployed by the contractor at site.	N.A.
Clause 19K	Employment of skilled/semi skilled workers.	N.A.

Clause 25

Clause 25.1 Conciliator: ADG (Region Lucknow), CPWD, Lucknow or Successor thereof.

Clause 25.2 Arbitrator appointing authority: The Chief Engineer (Lucknow), CPWD, Lucknow or Successor thereof.

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Clause 32 Requirement of Technical Representative(s) and Recovery Rate

Sl. No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical / Technical representative)	Minimum Experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 32	
1	Graduate Engineer Or Diploma Engineer	1 of Major Component	Project Manager cum Planning/Quality/ Site/billing Engineer	2 Or 5 respectively	1	Rs. 15,000/- per month per person	Rs. Fifteen Thousand per month per person

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

Clause 38			
i)	a)	Schedule/ statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2018 printed by CPWD	Delhi Schedule of rate 2023 (Civil) with correction slips issued upto day previous to last date of submission of tender
ii)		Variations permissible on theoretical quantities	
	a)	Cement for works with estimated cost put to tender not more than Rs. 5 lakhs.	3% plus/minus
		For works with estimated cost put to Tender is more than Rs. 5 lakhs	2% plus/minus
	b)	Bitumen all works	2.5% plus & nil on minus side.
	c)	Steel reinforcement and structural steel Sections for diameter, section and category.	2% plus/minus.
	d)	All other materials	Nil

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RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

S. No.	Description of Item	Rates in figures and words at which recovery shall be made from the Contractor	
		Excess beyond permissible variation	Less use beyond permissible variation
1	Cement (PPC)	Not applicable	Not permitted
2	Steel Reinforcement (TMT Bars)	Not applicable	Not permitted
3	Structural Steel	Not applicable	Not permitted

Executive Engineer(L)-I,
CPWD,Lucknow.

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SALIENT/MANDATORY REQUIREMENTS FOR THE TENDER

Name of Work:

Special repair and white wash work for Ground floor & First floor at office Addl. DG(T), UP (East) LSA, CTO Compound, Hazatganj, Lcknow.

- 1 The tenderer is advised to read and examine the tender documents for the work and the set of drawings available with Engineer-in-charge. He should inspect and examine the site and its surroundings by himself before submitting his tender.
- 2 The contractor shall quote the percentage rates in figures and words accurately so that there is no discrepancy in rates written in figures and words.
- 3 Time allowed for the execution of work is **01 (One) Month.**
- 4 The contractor(s) shall submit a detailed program of execution in accordance with the master program/milestone within ten days from the date of issue of award letter.
- 5 Contractor has to arrange and install **field laboratory** during the currency of work and nothing extra will be paid on this account.
- 6 Quality of the project is of utmost importance. This shall be adhered to in accordance with the provisions of **CPWD specifications 2019 Vol. I & II with upto date correction slips** and guidelines given in the relevant paras.
- 7 The contractor (s) shall make his own arrangements for electricity and water required for the execution of work.
- 8 **Cement shall be arranged by the contractor himself.**
- 9 **Steel Reinforcement shall be arranged by the contractor himself.**
- 10 Contractor has to use specialized agencies for specialized items of works such as water proofing, aluminium works, structural glazing, PVDF, ACP and other specialized items as mentioned in the tender documents. Only those specialized agencies/firms who have satisfactorily executed works as per following criteria during last seven years are eligible for the specialized works-

(i) FOR water proofing works-

(a) Three works each costing not less than Rs. _____/-

Or

(b) Two works each costing not less than Rs. _____/-

Or

(c) One work costing not less than Rs. _____/-

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~~(ii) FOR Aluminium works —~~

~~2(a) Three works each costing not less than 40% of Rs.
=Rs.~~

Or

~~(b) Two works each costing not less than 50% of Rs.
=Rs.~~

Or

~~(c) One work costing not less than 80% of Rs.
= Rs.~~

Approval of the specialized agencies for each specialized work shall be obtained from the Engineer-in-Charge within one month of award of work. Even if, such specialized items of work shall be executed by the specialized agencies, the work shall be deemed to be executed by the tenderer for all purposes and the responsibility of the quality of items of works executed etc. shall continue to be that of the tenderer only.

- 11 Contractor has to deploy required Plant and machinery on the project. In case the contractor fails to deploy the plant and machinery whenever required and as per the direction of the Engineer-in-charge, he (Engineer-in-charge) shall be at a liberty to get the same deployed at the risk and cost of the contractor.
- 12 Contractor has to provide reinforcement cover blocks made of approved proprietary pre packed free flowing mortars (Conbextra as manufactured by M/s Fosroc Chemical India Ltd. or approved equivalent) of high early strength.
- 13 The contractor shall comply with the provisions of the Apprentices Act 1961, and the rules and orders issued there under from time to time. If he fails to do so, his failure will be a breach of the contract and the Superintending Engineer/Executive Engineer may in his discretion, without prejudice to any other right or remedy available in law, cancel the contract. The contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.

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PART-B

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QUALITY ASSURANCE OF THE WORK

1. The contractor shall ensure quality control measures on different aspects of construction including materials, workmanship and correct construction methodologies to be adopted. He shall have to submit quality assurance programme within two weeks of the award of work. The quality assurance programme should include method statement for various items of work to be executed along with check lists to enforce quality control.
2. The contractor shall get the source of all other materials, not specified elsewhere in the document, approved from the Engineer-in-Charge. The contractor shall stick to the approved source unless it is absolutely unavoidable. Any change shall be done with the prior approval of the Engineer-in-Charge for which tests etc. shall be done by the contractor at his own cost. Similarly, the contractor shall submit brand/ make of various materials not specified in the agreement, to be used for the approval of the Engineer-in-Charge along with samples and once approved, he shall stick to it.
3. The contractor shall submit shop drawings of staging and shuttering arrangement, aluminum work, and other works as desired by Engineer In Charge for his approval before execution. The contractor shall also submit bar bending schedule for approval of Engineer –in – charge before execution.

4. Test Laboratories :

a) Laboratory at site :

The contractor shall provide at site, the testing equipment and materials for the field tests mentioned in the list of mandatory tests given in **CPWD Specifications 2019 Vol. 1 & 2** at his own cost. Nothing extra shall be payable to him on this account. In all cases, cost of samples and to and fro carriage shall be borne by the contractor.

The concrete mix design/laboratory tests with and without admixture shall be got done by contractor at his own cost and will be carried out by the contractor through one of the following laboratory/Test houses:

- (i) **MNNIT- Allahabad**
- (ii) **IIT- Kanpur, BHU, Roorkee**
- (i) **IET- Lucknow**
- (ii) **HBTI- Kanpur**
- (iii) **AMU- Aligarh**
- (iv) **NCCBM- Ballabgarh**
- (v) **Ambile Testing and Research Labs, Lucknow.**

The representatives of the department shall be at liberty to inspect the testing facilities at site and conduct testing at random in consultation with Engineer in charge. The contractor shall provide all necessary facilities for the purpose. The laboratory shall be equipped, inter alia, with the following equipments:

a) Balances:

- i) 7 kg to 10 kg capacity, semi-self indicating type – Accuracy 10 gm.
- ii) 500 gm capacity, semi-self indicating type Accuracy 1 gm.
- iii) Pan Balance- 5 kg Capacity- Accuracy 10 gm.

b) Sieves: as per IS: 460

- i) IS Sieves – 450 mm internal dia of sizes 100 mm, 80 mm, 63 mm, 50 mm, 40 mm, 25 mm, 20 mm, 12.5 mm, 10 mm, 6.3 mm, 4.75 mm, complete with lid and pan.

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- ii) IS Sieves – 200 mm internal dia (brass frame) consisting of 2.36 mm, 1.18 mm, 500 microns, 425 microns, 300 microns, 212 microns, 150 microns, 90 microns, 75 microns with lid and pan.
- c) Sieve shaker capable of 200 mm and 300 mm dia sieves, manually operated with timing switch assembly.
- d) Equipment for slump test- slump cone, steel plate, tapping rod, steel scale, scoop.
- e) Equipment for concrete testing
 - i) Concrete cube moulds 15x15x15cm.
 - ii) Pruning Rods 2Kg weight length 40cm and ramming face 25mm
 - iii) Extra Bottom plates for 15cm cube mould
 - iv) Standard Vibration table for cubes
 - v) Dial gauges 25 mm travel- 0.01 mm/division Least count-

Tests to be carried out by the external laboratories, the contractor shall supply free of charge all the materials required for testing, including transportation. The testing charges shall be born by the Contractor.

B) Other Laboratories :

1. The contractor shall arrange carrying out of all tests required under the agreement through the laboratory as approved by the Engineer-in-Charge and shall bear all charges in connection therewith including fee for testing.
2. However, no testing charges will be payable by the contractor for the tests conducted in CPWD laboratories.
3. If the tests, which were to be conducted in the site laboratory are conducted in other laboratories for whatever the reasons, the cost of such tests shall be borne by the contractor.

C) Sampling of Materials :

1. Sample of building materials fittings and other articles required for execution of work shall be got approved from the Engineer-in-Charge. Articles manufactured by companies of repute and approved by the Engineer-in-Charge shall only be used. Articles bearing BIS certification mark shall be used in case the above are not available, the quality of samples brought by the contractor shall be judged by standards laid down in the relevant BIS specifications. All materials and articles brought by the contractor to the site for use shall conform to the samples approved by the Engineer-in-Charge which shall be preserved till the completion of the work.
2. The contractor shall ensure quality construction in a planned and time bound manner. Any sub-standard material/work beyond set out tolerance limit shall be summarily rejected by the Engineer-in-Charge.
3. BIS marked materials except otherwise specified shall be subjected to quality test at the discretion of the Engineer-in-Charge besides testing of other materials as per the specifications described for the item/materials. Wherever BIS marked materials are brought to the site of work, the contractor shall if required, by the Engineer-in-Charge furnish manufacturers test certificate or test certificate from approved testing laboratory to establish that the material produced by the contractor for incorporation in the work satisfies the provisions of BIS codes relevant to the material and/or the work done.

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4. The contractor shall procure all the materials at least in advance so that there is sufficient time to testing and approving of the materials and clearance of the same before use in work.
5. All materials brought by the contractor for use in the work shall be got checked from the Engineer-in-Charge or his authorised representative of the work on receipt of the same at site before use.
6. The contractor shall be fully responsible for the safe custody of the materials issued to him even if the materials are in double lock and key system.

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ADDITIONAL TERMS AND CONDITIONS

- 1 Unless otherwise provided in the Schedule of Quantities/Specifications, the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the work and nothing extra shall be payable to him on account of the same. Extra payment for centering/shuttering, if required to be done for heights greater than 3.5 m shall however be admissible at the rates arrived at in accordance with clause 12 of the agreement, if not already specified.
- 2 The contractor shall make his own arrangement for obtaining electric connection(s) if required and make necessary payments directly to the department concerned.
- 3 Other agencies doing works related with this project may also simultaneously execute their works and the contractor shall afford necessary facilities for the same. The contractor shall leave such necessary holes, openings etc. for laying/burying in the work, pipes cables, conduits, clamps, boxes and hooks for fan clamps etc. as may be required for the other agencies. Nothing extra over the Agreement rates shall be paid for doing these.
- 4 Some restrictions may be imposed by the security staff etc. on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restrictions/instructions and nothing extra shall be payable on account of the same.
- 5.1 The contractor shall fully comply with all legal orders and directions of the Public or local authorities or municipality and abide by their rules and regulations and pay all fees and charges for which he may be liable in this regard. Nothing extra shall be paid/reimbursed for the same.
- 5.2 The building work shall be carried out in the manner complying in all respects with the requirements of the relevant bylaws and regulations of the local body under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-charge and nothing extra shall be paid on this account.
- 5.3 The work of water supply, internal sanitary installations and drainage etc. shall be carried out as per the bylaws of the Municipal Corporation or any other local body and the contractor shall produce necessary completion certificates from such authority after completion of work.
- 5.4 All water tanks, taps, sanitary, water supply and drainage pipes fittings and accessories etc. shall conform to the bylaws and specifications of the Municipal Body/Corporation where CPWD specifications are not available.
- 5.5 The contractor shall engage licensed plumbers for the work and the materials (fixtures/fittings) tested by the local Municipal Body/Corporation wherever required at his own cost. Nothing extra shall be paid/reimbursed for the same.
- 6 The contractor shall give a performance test of the entire installation(s) as per standing specifications before the work is finally accepted by making his own arrangements for water supply, electricity etc. and nothing extra whatsoever shall be payable for the same.
- 7 If as per local Municipal regulations, huts for labour are not to be erected at the site of work, the contractor shall be required to provide such accommodation at a place as is acceptable to the local body and nothing extra shall be paid on this account.

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- 8 The structural and architectural drawings shall at all times be properly co-related before executing any work. However, in case of any discrepancy in the item given in the schedule of quantities appended with the tender and Architectural drawings relating to the relevant item, the former shall prevail unless otherwise given in writing by the Engineer-in-charge.
- 9.1 For the purpose of recording measurements and preparing running account bills, the abbreviated nomenclature indicated in the publications Abbreviated Nomenclature of Items of DSR 2016 shall be accepted. The abbreviated nomenclature shall be taken to cover all the materials and operations as per the complete nomenclature of the relevant items in the agreement and relevant specifications.
- 9.2 In case of items for which abbreviated nomenclature is not available in the aforesaid publication and also in case of extra and substituted items for which abbreviated nomenclature are not provided for in the agreement, full nomenclature of item shall be reproduced in the measurement books and bill forms for running account bills.
- 9.3 For the final bill, however, full nomenclature of all the items shall be adopted in preparing abstract in the measurement books and in the bill forms.
- 10 The contractor shall take instructions from the Engineer-in-charge for stacking of materials. No excavated earth or building materials etc. shall be stacked/collected in areas where other buildings, roads, services, compound walls etc. are to be constructed.
- 11 Any trenching and digging for laying sewer lines/water lines/cables etc. shall be commenced by the contractor only when all men, machinery's and materials have been arranged and closing of the trench(s) thereafter shall be ensured within the least possible time.
- 12 It shall be ensured by the contractor that no electric live wire is left exposed or unattended to avoid any accidents in this regard.
- 13 In case the supply of timber/steel frames/shutters for doors, windows etc. is made by some other agency, the contractor shall make necessary arrangements for their safe custody on the direction of the Engineer-in-charge till the same are fixed in position by him & nothing extra shall be paid on this account.
- 14 The contractor shall maintain in perfect condition, all portions executed till completion of the entire work allotted to him. Where however phased delivery of work is contemplated these provisions shall apply separately to each phase.
- 15 The entire royalty at the prevalent rates shall have to be paid by the contractor on all the boulders, metals, shingle sand etc. collected by him for execution of the work, directly to the Revenue authority or authorized agents of the State Government concerned or the Central Government, as the case may be.
- 16.1 The materials shall be issued to the contractor at the place of delivery as mentioned in the Schedule-B during the working hours as per the rules of CPWD stores in force from time to time. If these are delivered at any other place, adjustments on accounts of the difference in cost of cartage shall be affected as per the terms of clause 12 of the contract agreement. The contractor shall however have to cart the materials to the site of work at his cost as soon as these are issued.

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- 16.2 Materials like reinforcing bars, flats, tees, angles, sheets, CI and SCI pipes etc., if contemplated to be issued shall be issued in available sizes and lengths and the contractors shall bear the cost of cutting and shaping them according to the requirements of work. No claim for the wastage on this account shall be entertained.
- 16.3 The contractor shall bear all incidental charges for cartage, storage and safe custody of materials issued by the departments and shall construct suitable godowns, yards at the site of work for storing all materials as to be safe against damage by sun, rain, dampness, fire, theft etc. at his own cost and also employ necessary watch and ward establishment for the purpose, at his own cost. Materials to be charged directly to work and stipulated for issue free of cost shall also be issued to the contractor as soon as those are received at site or at the stipulated place of issue. The provision of this para shall apply equally and fully to those as well.
- 16.4 All materials obtained from the Govt. stores or otherwise on receipt shall be got checked by the Engineer-in-charge of the work or his representations before use.
- 16.5 Registers for the materials to be issued by the department shall be maintained as required by the Engineer-in-charge and these shall be signed by the contractor or his authorized agent and representative of Engineer-in-charge on each day of transactions.
- 16.6 Cement bags shall be stored in separate godowns to be constructed by the contractor at his own cost as per sketch (which is only indicative and actual size will depend on the site requirements) given in **CPWD Specifications 2019 Vol. I & II** with upto date correction slips with weather proof roofs and walls. Each godown shall be provided with a single shutter door with two locks. The key of one lock shall remain with Engineer-in-charge or his authorized representative and that of the other lock with the authorized agent of the contractor at the site of work so that the cement is issued from the godown according to the daily requirements with the knowledge of both parties and proper account for the same is maintained in the standard proforma.

PROFORMA FOR THE CEMENT REGISTER

PARTICULARS OF RECEIPT

Date of receipt	Quantity received	Progressive total	Date of issue	Quantity issued	Items of work for which issued
1	2	3	4	5	6

PARTICULARS OF ISSUE

Qty. returned at the end of the day	Total issued	Daily balance in hand	Contractor's initial	JE's initial	Remarks (AE/EE's periodical check)
7	8	9	10	11	12

- 16.7 Separate cement registers showing the receipt of the OPC and PPC shall be maintained at site. The contractor shall construct separate godowns for storage of OPC & PPC at site and nothing extra on this account shall be payable.

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- 16.8 Cement issued shall be for consumption at site only. No cement for factory made items and those not manufactured at site shall be issued.
- 17.1 In case of concrete and reinforced concrete work, the contractor shall be required to make arrangements for carrying out compressive strength tests at his own cost. He shall render all assistance for the preparation of cubes, safe custody of the same, their proper curing and carriage up to the laboratory where the tests are to be got conducted. The cube tests may be performed at any laboratory approved by the Engineer-in-charge. All expenses for tests including testing charges will be borne by the contractor.
- 17.2 In case there is any discrepancy in frequency of testing as given in the list of mandatory test and that in the individual sub-head of work as per CPWD specification 2009 Vol. 1 & 2 the higher of the two frequencies of testing shall be adopted. Nothing extra shall be payable to the contractor on this account.
18. Bricks shall confirm to **C.P.W.D Specifications 2019 Vol. I** with upto date correction slips and shall be of brick red colour, will give a ringing sound when struck and homogenous in formations, regular in shape and size.
19. The contractor (s) shall give to the Municipality, Police and other authorities all necessary notices etc. that may be required by law and obtain all requisite Licenses for temporary obstructions, enclosures etc. and pay all fee, taxes and charges which may be leviable on account of these operations in executing the contract. He shall make good any damage to the adjoining property whether public or private and shall supply and maintain light and other illumination on for cautioning the public at night.
20. The contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards day and night speed limit boards red flags, red lights and providing barriers. He shall be responsible for all dangers and incidents caused to existing / new work due to negligence on his part. No hindrances shall be caused to traffic during the execution of the work.
21. **The rate quoted by the contractor are deemed to be inclusive of all the taxes (including G.S.T.) applicable on the day of tender.**

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22. WATER PROOFING TREATMENT

The contractor shall associate himself with the specialized firm, to be approved by the Engineer-in-charge in writing, for water proofing treatment for basement/lower ground floor, underground tank and on roofs. Guarantee in the prescribed proforma attached with tender document shall be given by the specialized firm, for a period of 10 years from the date after the maintenance period prescribed in the contract, which shall be counter signed by the contractor as token of overall responsibility. In addition 10% (ten percent) of the cost of water proofing items shall be retained as guarantee to watch the performance of the work done. However half of this retained amount will be released after five years, if the performance of the work done is found satisfactory. If however any defect is noticed during the guarantee period, it shall be rectified by the contractor within seven days of intimation. In case it is not attended to, the same will be got done by another agency at the risk and cost of the contractor. This guarantee deposit can however be released in full if a bank guarantee of equivalent amount for 10 years is produced and deposited with the department by the contractor.

~~23. Day to day complaints to be attended regularly on the basis of complaint register kept at site. Delay in attending complaints recovery of Rs. 500/- per day per complaint will be done.~~

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**CONTRACT FOR REMOVAL OF DEFECTS AFTER COMPLETION IN RESPECT OF
WATER PROOFING WORKS**

(BASEMENT/LOWER GROUND FLOOR/UNDER GROUND TANK/ROOF)

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

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

AND WHEREAS THE GUARANTOR agreed to give a guarantee to the effect that the said structures will remain water and leak-proof for 10 (Ten) 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 leak proof and the minimum life of such water proofing treatment shall be ten years to be reckoned from the date after the maintenance period prescribed in the contract.

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

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

During this period of guarantee the guarantor shall make good all defects and in case of any defect being found, render the building water proof to the satisfaction of the Engineer-in–charge at his cost and shall commence the work for the 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 done by the department by some other agency contractor at the GUARANTOR's risk and cost. 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 make good all defects or commits breach there under then the Guarantor will indemnify the principal and his successors against all loss, damage, cost expense 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.

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IN WITNESS WHEREOF these presents have been executed by the Obliger _____ and by _____ and for and on behalf of the PRESIDENT OF INDIA on the day, month and year first above written SIGNED, SEALED AND delivered by OBLIGOR in the presence of :

1.
2.

SIGNED FOR AND ON BEHALF OF THE PRESIDENT OF INDIA BY _____ in the presence of:

1.
2.

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SPECIAL CONDITIONS

1. The contractor shall at his own expense procure and provide all materials including cement and steel required for the work.
2. The contractor shall procure all the materials in advance so that there is sufficient time to testing and approving of the materials and clearance of the same before use in work.
3. All materials brought by the contractor for use in the work shall be got checked from the Engineer-in-Charge or his authorized representative of the work on receipt of the same at site before use.
4. The contractor shall also employ necessary watch and ward establishment for the safe custody of materials at his own cost.

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ADDITIONAL CONDITIONS FOR CEMENT

1. The contractor shall procure **Portland Pozzolana Cement** (conforming to IS: 1489 -Part-I), as required in the work, from reputed manufacturers of cement, having a production capacity of one million tones or more, such as **A.C.C., Ultratech, Vikram, Shri cement, Ambuja, Jaypee Cement, Century Cement & J.K. Cement** etc. i.e. agencies approved by 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. Supply of cement shall be made in 50 kg. bags bearing manufacturer's name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer-in-Charge and got tested in accordance with provisions of the relevant BIS codes. In case the test results indicate that the cement arranged by the contractor does not confirm to the relevant BIS code the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer-in-Charge to do so. The cost of tests shall be borne by the contractor/Department in the manner indicated below:
 - a) By the contractor, if the results show that the test does not conform to relevant CPWD Specifications / BIS code or specification mentioned elsewhere in the documents.
 - b) By the department, if the results conforms to relevant CPWD Specifications / BIS code or specification mentioned else where in the documents.
2. The cement shall be brought at site in bulk supply of approximately 50 tonnes or as directed by the Engineer-in-Charge.
3. The cement godown of the capacity to store a minimum of 1000 bags of cement shall be constructed by the contractor at site of work for which no extra payment shall be made. Double lock provision shall be made to lock the door of the cement godown. The keys of one lock shall remain with the Engineer-in-charge or his authorized representative and the key of the other lock shall remain with the contractor. The contractor shall facilitate the inspection of the cement godown by the Engineer-in-Charge at any time.
4. The contractor shall supply free of charge the cement required for testing.
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 also shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by the conditions laid therein.
6. Wet curing period shall be enhanced to a minimum of 10 days or its equivalent. In hot & arid regions, the minimum curing period shall be 14 days or its equivalent.
Till the time, BIS makes it mandatory to print the %age of fly ash on each bag of cement, the certificate from the PPC manufacturer indicating the same shall be obtained and permission obtained from Engineer-in-Charge before use of such cements in works.

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ADDITIONAL CONDITIONS FOR STEEL REINFORCEMENT

The contractor shall procure TMT bars of **Fe 500 D** grade from primary producers such as **SAIL or TISCO or RINL, Jindal Steel & Power Ltd. and JSW Steel Ltd.** or any other producer as approved by CPWD who are using iron ore as the basic raw material/input and having crude steel capacity of 2.0 Million tonnes per annum and above.

In case of non-availability of steel from primary producers the NIT approving authority may permits use of TMT reinforcement bars procured **from steel producers having integrated Steel Plants (ISPs) using iron ore as the basic raw material for production of crude steel which is further rolled into finished shapes in-house having crude steel capacity of 0.5 Million tonne per annum and more. A separate list of producers for this category shall be approved by the ADG concerned for their sub region under intimation to the directorate, CPWD/CE,CSQ.**

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

- (a) The grade of the steel such as **Fe 415/Fe 415 D/ Fe 500/Fe 500 D/Fe 550 / Fe 550 D** or other grade to be procured is to be specified as per BIS 1786-2008.
 - 1.1 The TMT bars procured from primary producers shall conform to manufacture's specifications.
 - 1.2 TMT bars procured from primary producers, the specifications shall meet the provisions of IS 1786: 2008 pertaining to **Fe 500 D** grade of steel.
 - 1.3 In case contractor is permitted to use TMT reinforcement bars procured from secondary producers then:
 - 1.3.1 The base price of TMT reinforcement bars as stipulated under schedule 'F' shall be reduced by **Rs. 8050/- per MT.**
 - 1.3.2 The rate of providing & laying TMT reinforcement bars as quoted by the contractor in the tender shall also be reduced by **Rs. 10.21 per kg.**
 2. The contractor shall have to obtain vouchers and furnish test certificates to the Engineer-in-charge in respect of all supplies of steel brought by him to the site of work.
 3. Samples shall also be taken and got tested by the Engineer-in-charge as per the provisions in this regard in the relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to the specifications as defined under para 1.1 and 1.2 above, the same shall stand rejected and it shall be removed from the site of work by the contractor at his cost within a week time of written orders from the Engineer-in-charge to do so.
 4. The steel reinforcement shall be brought to the site in bulk supply **of 50 tonnes** or more or as directed by the Engineer-in-charge.
 5. The steel reinforcement bars shall be stored by the contractor at site of work in such a way as to prevent distortion & corrosion, and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.
 6. For checking nominal mass, tensile strength, bend test, re-bend test etc. specimens of sufficient length shall be cut from each size of the bar at random at frequency not less than that specified below:

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

7. The contractor shall supply free of charge the steel required for testing including its transportation to testing laboratories. The cost of tests shall be borne by the contractor.

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8. 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 the conditions laid therein. In case the consumption is less than theoretical consumption including permissible variations recovery at the rate so prescribed shall be made.
9. The steel brought to the site and the steel remaining unused shall not be removed from site without the written permission of the Engineer-in-charge.
10. Steel bars brought by the contractor for use in the work shall be got checked from the Engineer-in-Charge or his authorized representative of the work on receipt of the same at site before use.
11. If the quantity of steel actually used in the work is found to be more than the theoretical quantity of steel including authorised variation, nothing extra shall be payable to the contractor on this account. In the event of it being discovered that after the completion of the work the quantity of steel used is less than the quantity ascertained as herein before provided (allowing variation on the minus side as stipulated in clause 42). The cost of quantity of steel so less used shall be recovered from the contractor at rate as specified in schedule 'F'. Decision of the Engineer-in-Charge in regard to theoretical quantity of steel which should have been actually used and recovery of the rate specified shall be final and binding on the contractor.
12. In case the contractor brings surplus quantity of steel the same after completion of the work will be removed from the site by the contractor at his own cost after approval of the Engineer-in-Charge.
13. Reinforcement including authorised spacer bars and lappages shall be measured in length of different diameters, as actually (not more than as specified in the drawing) used in the work, nearest to a centimeter. Wastage and unauthorised overlaps shall not be measured.
14. The standard sectional weights referred to as in Table 5.4 under para 5.3.4 in **CPWD Specifications for works 2019 Vol. 1** will be considered for conversion of length of various sizes of MS bars, Tor steel bars and TMT bars into standard weight.
15. Records of actual sectional weight shall also be kept dia-wise & lot-wise. The average sectional weight for each diameter shall be arrived at from samples from each lot of steel received at site. The decision of the Engineer-in-Charge shall be final for the procedure to be followed for determining the average sectional weight of each lot. Quantity of each diameter of steel received at site of work each day will constitute one single lot for the purpose. The weight of steel by conversion of length of various sizes of bars based on the actual weighted average sectional weight shall be termed as derived actual weight.
16. If the derived weight as in para 14 above is lesser than the standard weight as in para 13 above, the derived actual weight shall be taken for payment.
If the derived actual weight is found more then the standard weight then the standard weight as worked out in para 13 above shall be taken for payment. In such case nothing extra shall be paid for the difference between the derived actual weight and the standard weight.
17. Mixing of different type of steel/different grades of steel shall not be allowed in the same structural members as main reinforcement to satisfy clause 26.1 of IS:456.
18. Tolerances on Nominal Mass (individual sample) shall be as under:-

Sl. No.	Nominal size mm	Tolerances on the Nominal Mass, percent
1	Upto and including 10	-8%
2	Over 10 upto & including 16	-6%
3	Over 16	-4%

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ADDITIONAL CONDITION FOR RCC WORK

1. If the quantity of cement actually used in the work is found to be more than the theoretical quantity of cement including authorized variation, nothing extra shall be payable to the contractor on this account. In the event of it being discovered that after the completion of the work, the quantity of cement used is less than the quantity ascertained as herein before provided (allowing variation on the minus side as stipulated in clause 42, the cost of quantity of cement so less used shall be recovered from the contractor at the rate as specified in schedule 'F'. Decision of the Engineer-in-Charge in regard to the quantity of cement which should have been actually used as per the schedule and recovery at the rate specified shall be final and binding on the contractor.
2. For non-scheduled items, the decision of the Superintending Engineer regarding theoretical quantity of the cement which should have been actually used shall be final and binding on the contractor.
3. Cement brought to site and cement remaining unused after completion of work shall not be removed from site without written permission of the Engineer-in-Charge.
4. In case the contractor brings surplus quantity of cement the same after completion of the work will be removed from the site by the contractor at his own cost after approval of the Engineer-in-Charge.
5. Cement register for the cement shall be maintained at site. Specimen form of register is as per Para 25.3.1 & Appendix 28 of CPWD works manual.
6. The account of daily receipts and issue of cement shall be maintained in the register by the authorized representative of the Engineer-in-Charge and signed daily by the contractor or his authorized agent.
7. **RCC WORK (ORDINARY)**
- 7.1 Water cement ratio for ordinary RCC work shall not be more than 0.50. Contractor shall use concrete mixture of proper design and arrangement for measuring water for mixing of concrete.
- 7.2 In respect of all projected slabs at all levels including cantilever canopy the payment for the RCC work shall be made under the item RCC slabs. The payment for shuttering at the edges shall be made under item of centering and shuttering of RCC slabs. Nothing extra shall be paid for the side shuttering at the edge of these projected balconies and projected verandah slabs.
8. **PRE-CAST RCC WORK**
- 8.1 Pre-cast reinforced concrete units shall be of grade or mix as specified. Provision shall be made in the mould to accommodate fixing devices such as hooks, flats etc. And forming of notches and holes. Each unit shall be cast in one operation. A sample of the unit shall be got approved from Engineer-in-Charge before taking up the work.
- 8.2 Pre-cast units shall be clearly marked to indicate the top of member and its locations.
- 8.3 Pre-cast units shall be stored, transported and placed in position in such a manner that these are not damaged.
- 8.4 The compaction of the concrete shall be done by vibrating table or external vibrator, as approved by Engineer-in-Charge. The rate quoted for the item shall include the element for framework and mechanical vibration.
- 8.5 Rate for item includes cost of all materials labour and all operations involved cost of MS frames lugs including their welding, lifting hooks is also included.

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9. REINFORCEMENT:

The rate of reinforcement in RCC work includes all operations including straightening cutting, welding, binding with annealed steel wire or welding and placing in position at all the floors with all leads and lift complete.

10. CURRENCY CHEST :

R.C.C. walls, floor and roof of Currency Chest will be 450mm thick duly fortified with rows of TANG BARS in addition to reinforcement bars specified in structural drawings. The TANG BARS will be supplied by the department/specialized agency free of cost. Placing of the TANG BARS will be done by the separate/specialized agency doing the work of security doors. Contractor will coordinate with the aforesaid specialized agency for placement of TANG BARS and casting of RCC walls, floor & roof of Currency Chest thereafter. R.C.C. and reinforcement will measured in relevant item under R.C.C. Subhead and nothing extra shall be paid to the contractor on this account.

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ADDITIONAL CONDITIONS FOR STRUCTURAL STEEL FOR TRUSSES

The contractor shall procure structural mild steel section as per requirement of design conforming to IS : 2062 – 1999 (Fifth Revision) grade Fe 410-‘O’ of weldable quality from main producers such as SAIL, TISCO, RINL as approved by the Ministry of Steel. The steel tubes for structural purposes as per requirement of design will conform to IS:1161 - 1998 (Fourth Revision) manufactured by highly reputed manufacturers approved by Engineer-in-Charge.

The contractor shall have to obtain and furnish test certificates to the Engineer-in-charge in respect of all supplies of steel brought by him to the site of work. Samples shall also be taken and tested by the Engineer-in-charge as per the provisions in this regard in the relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to BIS codes, the same shall stand rejected and shall be removed from the site of work by the contractor at his cost within a week's time of written orders from the Engineer-in-charge.

All expenses relating to testing of steel including laboratory charges shall be borne by the contractor.

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GENERAL SPECIFICATION FOR CIVIL WORKS

1. Except for the items, for which particular specifications are given or where it is specifically mentioned otherwise in the description of items in the schedule of quantities the work shall generally be carried out in accordance with the **"CPWD Specifications 2019 Vol. 1 and Vol. 2"** (with upto date corrections slips). (Hereinafter to be referred to as CPWD specifications) and instructions of Engineer-in-Charge. Wherever CPWD specifications are silent the latest IS codes/specification shall be followed.
2. The order of preference in case of any discrepancy as indicated in condition No. 8.1 under "Conditions of Contract" give in standard CPWD contract form may be read as the following:
 - i) Nomenclature of items as per schedule of quantities.
 - ii) Particular specification and special condition, if any.
 - iii) CPWD specifications.
 - iv) Architectural Drawings
 - v) Indian standard specifications of B.I.S.
 - vi) Sound Engineering Practice

A reference made to any Indian Standard specification in these documents, shall imply to the latest version of that standard. Including such revision/amendments as issued by the bureau of Indian standard upto last date of receipt of tenders. The contractor shall keep at his own cost all such publications of relevant Indian standard applicable to the work at site.

3. The proposed building is a prestigious project and quality of work is paramount importance. Contractor shall have to engage well experienced skilled labour and deploy modern T&P and other equipment to execute the work. Many items like stone masonry & stone cladding works, stone flooring, structural glazing, PVDF coating aluminium composite panel and other specialised flooring work, Wood work will specially require engagement of skilled workers having experience particularly in execution of such items.
4. Samples of all materials and fittings to be used in the work in respect of brand manufacturer and quality shall be got approved from the Engineer-in-Charge, well in advance of actual execution and shall be preserved till the completion of the work. Articles bearing BIS certifications mark shall only be used unless no manufacturer has got BIS mark for the particular material. Any material/fitting whose sample has not been approved in advance and any other unapproved material brought by the contractor shall be immediately removed as soon as directed.
5. The rates for all items of work shall unless clearly specialised otherwise include cost of all labour, material tools and plants and other inputs involved in the execution of the item.
6. The contractor (s) shall quote all inclusive rates against the items in the schedule of quantities and nothing extra shall be payable for any of the conditions and specifications mentioned. In the tender documents unless specifically specified otherwise.

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7. Unless otherwise specified in the schedule of quantities the rates for all items shall be considered as inclusive of pumping/baling out water, if necessary, for which no extra payment shall be made. Those conditions shall be considered to include water from any source such as inflow of flood, surface and sub-soil water etc. and shall apply to the execution in any season.
8. The rate for all items in which the use of cement is involved is inclusive of charges for curing.
9. The foundation trenches shall be kept free from water while works below ground level are in progress.
10. The work shall be executed and measured as per metric dimensions given in the schedule of quantities, drawings etc. (FPS units wherever indicated are for guidelines only).
11. Payment for items of "RCC work", brick work and concrete work above different floor shall be made at the rates provided for those items. For operation of these rates, the floor level shall be considered as top of the main structural slab in that floor viz. top of RCC slab in main room and not top of any sunk or depressed floor for lavatory slabs.
12. The rate of items of flooring is inclusive of providing sunk flooring in Bath-rooms, kitchen, etc. and nothing extra on this account shall be payable.

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ADDITIONAL & SPECIAL CONDITIONS FOR PAINTS

1. The contractors are advised to get acquainted with the proposed work and its site and also study the specification and special conditions carefully before tendering. The claim of any part shall not be entertained on account of any site conditions and ignorance of specifications and special conditions.
2. The site for the work shall be made available in parts. The contractor should programme his work accordingly.
3. In the event of any discrepancy between the additional and special conditions attached and the **CPWD Specifications 2019 Vol.-I & II** with up-to-date correction slips the additional and special condition attached shall prevail.
4. Unless otherwise provided in the schedule of quantities, the rates tendered by the contractor shall be inclusive of all leads and lifts and shall apply to all heights and depths of the buildings and nothing extra shall be payable to him on this account.
5. The rates for all items of work shall, unless clearly specified otherwise, includes the cost of all labour, material and inputs involved in the execution of the item of work.
6. The rates quoted by the contractor shall be inclusive of all taxes and nothing extra shall be paid on any account i.e. Royalty, Cartage, Sales Tax and stacking of required places etc.
7. Full quantity of materials such as Acrylic distemper, Paint, Plastic Emulsion paint and Acrylic Emulsion etc. shall be deposited at site in sealed container in advance and got checked by the Engineer-in-charge before use of following manufacturers:-

Sl. No.	Name of Manufacturer	Synthetic Enamel (in 4 litre packing)	Plastic Emulsion (in 4 litre packing)	Water Proofing Cement (in 50 kg bags)	Oil bound (in 20 kg packing)	Cement Primer (in 20 litre)	Acrylic Smooth Exterior Paint
1.	Berger	Luxol	Easy Clean	--	Bison	--	Weather coat
2.	Goddies Nerolac Ltd.	Synthetic High Gloss	Impression	--	Beauty	--	--
3.	Asian Paints	Apcolite Premium gloss	Apcolite Heavy duty Impression	--	Acrylic	--	Apex

8. Approved paint, Distemper, Water Proofing Cement Paint etc. shall be brought to the site of work by the contractor from the Companies offices. If a company does not have retail outlet in Lucknow then the material may be brought from authorised dealer in their original containers in sealed conditions, the material shall be brought on time in adequate quantities for the whole work. The contractor shall produce necessary documentary proof / original invoice to the effect that the material has been brought from the companies retail outlet / authorised dealer. The material shall be kept in store, constructed by contractor, under double lock and key. The watch and ward of store shall be arranged by the contractor. The contractor shall be responsible for any loss & theft of store. The material shall be got issued daily as per requirement of the work and the balance if any shall be returned and deposited in store. It shall be responsibility of the contractor to get verify the store daily by Junior Engineer-in-Charge.
9. (a) The work shall only be started after supplying of material in full quantity and in one installment of brand manufactures as specified at Sl. No. 7.

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- (b) For storage of material during execution of work the contractor will arrange his own store at site of works which will be got approved by the Engineer-in-charge before storage of materials, if required land for construction of store shall be given free of cost. Government accommodation may be provided for storage purpose only on payment of @ Rs. 65.00/sqm/month as fixed by Engineer-in-charge. Any other charges or damages which are applicable as per standard norms will be additionally recovered. The contractor shall be responsible to make all safely arrangements of such accommodation provided and shall be responsible to rectify at his own cost if any damages noticed by the department.
- (c) In case of two or more coats are essential, the one or more coats will be first completed and got inspected by the Engineer-in-charge who will give required decision before allowing the second coat.
10. All charges in connection with the test shall be borne by the contractor.
 11. Before commencement of work the contractor shall prepare sample for all items of work for approval by the Engineer-in-charge.
 12. Sample of the various items of works like white washing, distempering, plastic emulsion, painting water proofing cement paint etc. shall be carried out by the contractor at selected locations that shall be got approved by the Department before starting of work. If the samples are rejected then no payment shall be made for the rejected samples.
 13. The contractor shall depute his technical supervisor daily to the site of work during execution. The name and signature of his representative authorised by the contractor, who will receive day to day instructions related to work, shall be intimated to the Engineer-in-charge before start of work. If the supervisor will be absent from work then recovery @ Rs. 750/- per day will be imposed.
 14. Any damage to the building furniture, fittings or any other articles etc. done by the contractor during the execution of work shall be made good by the contractor, failing which the same shall be made good by the Engineer-in-charge at the risk and cost of the contractor.
 15. All doors, Windows, Furniture, Electrical fittings and other articles shall be protected from dust, splashes and damage and sufficient covering arrangements for these articles got to be ensured by the contractor, splashes and droppings from white washing colour washing, distempering, painting etc. on walls, doors, floor and windows down take pipe, furniture shall be to removed by the contractor at his own cost and surface cleaned simultaneously after the completion of the day's work in individual room / quarter or premises.
 16. The entire work shall be carried out in close co-operation with the other agencies working in the premises.
 17. No payment will be made to the contractor for damages caused by rain during the execution of the work no claim on this account will be entertained.
 18. It will be responsibility of the contractor to arrange security passes for the worker deployed in work, if required after obtaining necessary authorization from the Engineer-in-charge.

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ADDITIONAL CONDITIONS FOR CIVIL WORKS

1. a) The contractor (s) shall inspect the site of work before tendering and acquaint himself with the site conditions and no claim on this account shall be entertained by the department.
b) The contractor (s) shall get himself acquainted with nature and extent of the work and satisfy himself about the availability of materials from kiln or approved quarries for collection and conveyance of materials required for construction.
2. The contractor (s) shall study the soil investigation report for the site, available in the office of the Engineer-in-Charge and satisfy himself about complete characteristics of soil and other parameters of site. However, no claim on the alleged inadequacy or incorrectness of the soil data supplied by the department shall be entertained.
3. The tenderer shall see the approaches to the site. In case any approach from main road is required by the contractor, the same shall be provided, improved and maintained by the contractor at his own cost. No payment shall be made on this account.
4. The contractor (s) shall give to the Municipality, Police and other authorities all necessary notices etc. that may be required by law and obtain all requisite Licenses for temporary obstructions, enclosures etc. and pay all fee, taxes and charges which may be livable on account of these operations in executing the contract. He shall make good any damage to the adjoining property whether public or private and shall supply and maintain light and other illumination on for cautioning the public at night.
5. The contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards day and night speed limit boards red flags, red lights and providing barriers. He shall be responsible for all dangers and incidents caused to existing / new work due to negligence on his part. No hindrances shall be caused to traffic during the execution of the work.
6. The contractor shall provide at his own cost suitable weighing surveying and levelling and measuring arrangements as may be necessary at site for checking. All such equipments shall be got calibrated in advance from laboratory, approved by the Engineer-in-Charge. Nothing extra shall be payable on this account.
7. Contractor shall provide permanent bench marks and other reference points for the proper execution of work and these shall be preserved till the end of work. All such reference points shall be in relation to the levels and locations, given in the Architectural and plumbing drawings
8. ~~On completion of work, the contractor shall submit at his own cost four prints of "as built" drawings to the Engineer in Charge with in 45 Days of completion of work. These drawings shall have the following information:~~
 - a) ~~Run of all piping and their diameters including soil waste pipes & vertical stacks.~~
 - b) ~~Ground and invert levels of all drainage pipes together with locations of all manholes and connections upto outfall.~~

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- e) ~~Run of all water supply lines with diameters, location of control valves, access panels etc.~~

~~If above said drawings are not submitted by the contractor with in the above specified time Rs. 10,000/- will be recovered from the final bill.~~

9. Any cement slurry added over base surface for continuation of concreting for better bond is deemed to have been built in the items and nothing extra shall be payable for extra cement considered in consumption on this account.
10. The contractor shall bear all incidental charges for cartage, storage and safe custody of materials issued by department.

WATER PROOFING TREATMENT FOR ALL TYPES OF WORK

11. The contractor shall submit for the approval of Engineer-in-Charge names of specialized agencies of repute along with their technical capacity proposed to be engaged by him, who must have executed satisfactorily works of value as specified in mandatory conditions.
12. The works shall be carried out in accordance with the Architectural drawings and structural drawings, to be issued from time to time by the Engineer-in-Charge. Before commencement of any item of work, the contractor shall correlate all the relevant architectural and structural drawings issued for the work and satisfy himself that the information available thereof is complete and unambiguous. The discrepancy, if any shall be brought to the notice of the Engineer-in-Charge before execution of the work. The contractor alone shall be responsible for any loss or damage executing by the commencement of work on the basis of any erroneous and or incomplete information.
13. The contractor shall take all precautions to avoid accidents by, exhibiting caution boards day and night, speed limit boards, red flags, red light and providing necessary barriers and other measures required from time to time. The contractor shall be responsible for all damages and accidents due to negligence on his part.
14. Other agencies will also simultaneously execute and install the works of electrification, air conditioning, lifts, fire-fighting etc. for this work and the contractor shall provide necessary facilities for the same. The contractor shall leave such recesses, holes openings etc. as may be required for the electric, air-conditioning and other related works (for which inserts, sleeves, brackets, conduits base pinion, clamps etc. shall be supplied free of cost by the department unless otherwise specifically mentioned) and the contractor shall fix the same at time of casting of concrete, stone work & brick work, if required and nothing extra shall be payable on this account.
15. All materials obtained from Govt. stores or otherwise shall be get checked by the Engineer-in-Charge or his any authorized supervisor staff on receipt of the same at site before use.
16. The contractor shall conduct work so as not to interfere with or hinder the progress or completion of the work being performed by other contractor(s) or by the Engineer-in-Charge and shall as far as possible arrange his work and shall place and dispose off the materials being used or removed so as not to interfere with the operations of other contractor or he shall arrange his work with that of the others in an acceptable and coordinated manner and shall perform it in proper sequence to the complete satisfaction of others.

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17. All Architectural drawings given in the tender other than those indicated in nomenclature of items are only indicative of the nature of the work and materials/fixings involved unless and otherwise specifically mentioned. However, the work shall be executed in accordance with the drawings duly approved by the Engineer-in-Charge.
18. **PROGRAMME CHART**
- i) The contractor shall prepare an integrated program chart for the execution of work, showing clearly all activities from the start of work to completion, with details of manpower, equipment and machinery required for the fulfillment of the programme within the stipulated period or earlier as indicated in the mile stones under clause 5 of the contract and submit the same for approval to the Engineer-in-Charge within ten days of the award of the contract.
 - ii) The programmes chart should include the following:-
 - a) Descriptive note explaining sequence of various activities.
 - b) Net work (PERT/CPM/BAR CHART)
 - c) Programme for procurement of materials by the contractor
 - d) Programme of procurement of machinery/equipment's having adequate capacity commensurate with the quantum of work to be done within the stipulated period by the contractor.
19. If appears to the Engineer-in-Charge that the actual progress of work does not conform to the approved programme referred above the contractor shall produce a revised programme showing the modifications to the approved programme to ensure completion of the work within the stipulated time for completion .
20. The submission for approval by the Engineer-in-Charge of such programme or the furnishing of such particulars shall not relieve the contractor of any of his duties or responsibilities under the contract. This is without prejudice to the right of Engineer-in-Charge to take action against the contractor as per terms and conditions of the agreement.
21. If the work is carried out in more than one shift or during night no claim on this accounts shall be entertained.
22. Existing drains, pipes, cables, over-head wires, sewer lines, water lines and similar services encountered in the course of the execution of work shall be protected against the damage by the contractor at his own expense. The contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services.
23. The contractor shall be responsible for the watch and ward/guard of the buildings, safety of all fittings and fixtures including sanitary and water supply fittings and fixtures provided by him against pilferage and breakage during the period of installations and thereafter till the building is physically handed over to the department. No extra payment shall be made on this account.
24. The day to day receipt and issue accounts of different grade/brand of cement shall be maintained separately in the standard proforma by the Jr. Engineer-in-Charge of work and which shall be duly signed by the contractor or his authorised representative.

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25. The contractor shall render all help and assistance in documenting the total sequence of this project by way of photography, slides, audio-video recording etc. Nothing extra shall be payable to the contractor on this account. However cost of photographs, slides, audio/ videography etc. shall be born by the department.
26. The contractor shall be fully responsible for the safe custody of materials brought by him issued to him even though the materials are under double lock key system.
27. The rate of items of flooring is inclusive of providing sunk flooring at bath rooms kitchen etc. and nothing extra on this accounts is admissible.
28. No payment shall be made to the contractor for any damage caused by rain, snowfall, floods, earthquake or any other natural causes whatsoever during execution of work. The damages of the work will be made good by the contractor at his own cost and no claim on this account shall be entertained.
29. For construction works which are likely to generate malba/rubbish to the tune of more than a tempo/truck load, contractor shall dispose of malba, rubbish & other unserviceable materials and wastes at their own cost to the notified/specified dumping ground and under no circumstances these shall be stacked/dumped, even temporarily outside the construction premises.
30. The Plinth Level of Building is to be kept as per Architectural drawings. All the items of works such as PCC, RCC, Brickwork and shuttering etc. in foundation upto this plinth level with be measured and paid as the work done upto plinth level. Nothing extra due to higher plinth will be paid and contractors rates quoted for all these items shall, therefore, the deemed to cater for extra height of plinth.
31. The Belgium glass work including its frame work shall be executed as per detailed Arch. Drawing through specialized authorized Agencies approved by Engineer-in-Charge and Guarantee bond against this work shall be furnished.
32. Tenderer shall submit the detail design with calculation for structural glazing considering the wind pressure as per IS-875 Part-III. The design should satisfy the adopted aluminium sections which will support structure glazing and having sufficient strength to with stand dead load of the structural glazing as well as other stresses due to wind pressure.
33. Aluminium sections used for fixed/openable doors, windows ventilators etc shall be suitable for to meet architectural drawing and subject to approval of Engineer-in-charge. The aluminium extruded sections shall be as per IS 6477-1983 and shall be such as not to impair the proper and smooth functioning/operation and appearance.
34. Heavy-duty aluminum extruded profile of Mahavir/Indal/Hindalco/Bhoruka or equivalent to be used.
35. Contractor shall first prepare shop drawing by using suitable sectioned based on Architectural drawings, adequate to meet the requirement/specification. The shop drawing shall show full size and sections of glazed windows ventilators, i/c details of fittings and joints. The frame work shall be aligned for entire height of each mullion and for the entire width of each transom by Laser beam equipment to ensure cent per cent X-Axis & Y-Axis alignment.

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36. **Powder Coating** - The powder used for powder coating shall be polyester powder made by Berger or Jenson & Nicholson or equivalent.
Thickness - The thickness of finished powder coating shall not less than 60 micron at any point measured with micron meter.

37. **EPDM. GASKET**

EPDM (Ethyl propylene Diamine Monomer) Gasket of approved. Manufacturer shall be used for aluminium glazing. EPDM gasket shall be of size and profile as shown in drawing or as called for the render the glazing, door, window and ventilator etc to make air and water tight sample of gaskets shall be produces for approval. If required suitable silicon sealant should be used to ensure water/air tightness between frame and glass units nothing extra shall be payable on this account. The material specification for EPDM gasket shall be meet the following requirement.

Sl.No.	Description	Standard follow	Specification
1.	Tensile strength per sqm	ATM - D/0412	70 Min.
2.	Elongation at break %	ASTM - D/0412	250 Min.
3.	Modulus 100% per sqm	ASTM - D/0412	22 Min.
4.	Compression set % at 70 degree C	ASTM - D/0395	50 Max
5.	Ozone resistance	ASTM - D/0114	No visible cracks

38. The anchoring/bracing of glazing system to RCC beams/columns shall be done with epoxy coated brackets of approved design. One brackets shall be designed for load bearing and other for expansion characteristic of mullion i/c PVC spacers between the aluminium mullion member and bracket for bi-metal corrosion separation. Wherever there is variation in the beam level, aluminium shim of various thickness shall be provided behing the brackets or extended brackets of required as per site requirement. Nothing extra shall be payable on this account. The contractor shall submit design calculation and get it approved by Engineer in charge on the selection of suitable anchor fasteners to with stand the dead load of glazing as well as stresses due to wind pressure. All screws, nuts bolts used in structural glazing system shall be stainless steel as manufactured by Kundan/Puja/Steel or equivalent.

39. **Spandrel Insulation** - The spandrel area shall be insulated by providing 1mm thick G.I. sheet fabricated in tray form duly filled with 50mm thick glass wool of density not less than 48 kg per cum, as manufactured by UP Twig Fibre glass Ltd. with one side laminated with black tissue, fixed on to the glazing frame work by stainless steel P.II. screws of 8x25 and periphery gap between the G.I. sheet frame and aluminium frame work to be sealed by silicon weather sealant.

Flashing of soffit, to be done with 1mm thick aluminium sheet pure polyester powder coated 60 micron thick of approved colour. Detail drawings for spandrel insulation and soffit flushing to be submitted by contractor. The periphery gap and edges of flasing between the G.I. sheet frame work shall be sealed by silcon weather sealant.

40. **Glass** - Out side glass of glazing shall be of minimum 6mm thick tempered heat reflective Belgium (Clear Blue) duly tempered by Horizontal Tempering process as carried out by GSC glass, Noida or Allied glass Meerut or Gold plus glasses

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Sonepat. The sample shall be got approved from the Engineer-in-charge before use.

In side glass shall be min 5mm thick as manufactured by Gujrat Guardian Ltd/Float glass India Ltd. Saint Gobian or equivalent duly tempered by Horizontal tempering method.

Masking - All aluminum profile shall be provided with masking tapes of sun control or winder polymer to provide safety against external scratches at site (masking tape to be removed only at the time of handing over or as per direction of Engineer in charge)

41. The PVDF coated aluminium composite paneling work shall be executed as per detailed Arch. drawings through specialized and authorized agencies approved by Engineer in charge and guarantee bond against this work shall be furnished.
42. Tenderers shall submit the detailed design for AC paneling work and accordingly the aluminium sections supporting the panels shall be selected.

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PARTICULAR SPECIFICATION AND SPECIAL CONDITION OF WORK

1. EARTH WORK

The work shall be done in accordance with CPWD specifications.

2. CONCRETE WORK

The concrete work shall be done in accordance with the CPWD specifications. All the works done upto plinth level will be measured and paid in foundation work upto plinth level. Nothing extra will be paid for higher plinth level.

3. BRICK WORK

The brick work shall be carried out with local first class bricks of crushing strength not less than 75 kg/cm² and conforming to class designation 75 as per CPWD specifications or as specified. The rates shall also include for leaving chases/notches for dowels/cramps for all kinds of come over brick work. All the work done upto plinth level will be measured and paid as foundation work upto plinth level. Nothing extra will be paid for higher plinth level.

4. SANITARY INSTALLATIONS, WATER SUPPLY AND DRAINAGE

- 4.1 The work of water supply and sanitary installations shall be got executed by the agency as approved by Engineer-in-Charge.
- (ii) The entire plumbing drawing and sanitary installation drawing/ details shall be submitted by the contractor and got approved by the Engineer-in-Charge before the execution.
- (iii) The entire responsibility for the quality of work will however rest with the building contractor only.
- 4.2 The work in general shall be carried out as per CPWD specifications. Rate includes all materials, labour and all the operations mentioned in the respective items unless and otherwise specifically mentioned.
- 4.3 Vitreous China sanitary fittings, procured from producer of firms Neycer, Hindustan, Cera , Parryware shall only be used subject to approval of samples by the Engineer-in-Charge unless otherwise specified in the items.
- 4.4 CP Brass pillar taps, bib cocks, flush valves angle etc. shall be of make Gem/Jaguar / Kingson or equivalent as per sample approved by the Engineer-in-Charge. CP Brass bib cock/stop cock shall be fixed with heavy duty CP flange.
- 4.5 SCI, CI Pipes and it fittings shall conform to the BIS specification wherever required and making good the same for which nothing extra shall be paid.
- 4.6 The tendered rates shall include the cost of cutting holes in walls, floors, RCC slabs etc. Wherever required and making good the same for which nothing extra shall be paid.
- 4.7 The SCI pipe wherever necessary shall be fixed to RCC columns, beams etc. with rawl plugs of approved quality and nothing extra shall paid for on this account.
- 4.8 The contractor shall give a satisfactory performance test of the entire installation (s) before the work is finally accepted and nothing extra shall be payable to the contractor on this account.
- 4.9 Sensor operated flush valves shall be of make "AOS" or "ASRA" or equivalent.
- 4.10 P or S and floor traps (long arm upto 90 cm length or more) in WCs shall be of deep seal type of RIF make or equivalent and shall have a minimum water seal of 75 mm. Floor traps (long arm upto 90 cm length or more) shall have a minimum water seal of 50 mm.

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- 4.11 The contractor shall be responsible for all the protection of sanitary, water supply fittings and fixtures against pilferage and breakage during the period of installation until the completion / handing over of the work.
- 4.12 The pig lead to be used in jointing 100 mm, 75 mm, 50 mm SCI pipe joints shall not be less than 0.98 kg, 0.88 kg and 0.77 kg per joint respectively. A variation of 5% is allowed on higher side. However in case of variation on lower side, the quantity of pig lead less used shall be recovered from the contractor at market rate to be determined by the Engineer-in-Charge whose decision in the matter shall be final.
- 4.13 The contractor shall submit completion plans for water supply internal sanitary installations and building drainage work within thirty days of the date of completion. These plans are to be submitted on drawings prepared preferably through computers (1 original copy + 3 photocopies) on suitable scales to show the general arrangement and desired details in case the contractor fails to submit the completion plans as aforesaid security deposit shall not be released.

5. BITUMINOUS WORK:

5.1 Guarantee Bond:

The contractor shall associate himself with the specialized firm, to be approved by the Engineer-in-charge in writing, for **Bituminous work**. Guarantee in the prescribed proforma attached with tender document shall be given by the specialized firm, for a period of **05 years** from the date after the maintenance period prescribed in the contract, which shall be counter signed by the contractor as token of overall responsibility. In addition **10% (ten percent)** of the cost of **Bituminous** items shall be retained as guarantee to watch the performance of the work done. However half of this retained amount will be released after five years, if the performance of the work done is found satisfactory. If however any defect is noticed during the guarantee period, it shall be rectified by the contractor within seven days of intimation. In case it is not attended to, the same will be got done by another agency at the risk and cost of the contractor. This guarantee deposit can however be released in full if a bank guarantee of equivalent amount for **05 years** is produced and deposited with the department by the contractor.

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LIST OF PREFERRED MAKES (CIVIL WORKS)

Approved makes of materials to be used in the work are as under. In case of non-availability of these makes, the Engineer-in-charge may allow use of alternative BIS makes of materials in the work. Non-BIS marked materials may be permitted by the Engineer-in-charge.

No.	Material description	Approved Manufacturer / Brand Name
1	Ready Mix Concrete	Ultratech Concrete, ACC Ready Mix, RMC India and NUVOCO
2	Cement (PPC/OPC)	ACC, Ultratech, Vikram, Shree Cement, Ambuja, JK Cement, Century Cement, Jaypee Cement & Prism Cement.
3	White Cement	Birla White, J.K. White.
4	TMT bars – Fe 500D or more	SAIL, Tata Steel Ltd, RINL, Jindal Steel & Power Ltd. and JSW Steel Ltd
5	Water proofing compounds, admixtures, plasticizer, super plasticizer, curing compounds	Fosroc, ROFF/Dr. Fixit (Pidilite Industries), STP Ltd., Sika, BASF, Ardex Endura & Perma Construction Aids Pvt. Ltd., Star coating & Membranes Pvt. Ltd.
6	Integral water proofing compound with cement (for plaster & mortar)	Fosroc: Conplast 421, Dr. Fixit : LW+, Sika: Sikacim, Asian Paint: SmartCare Vitalia & equivalent product of BASF, STP Ltd., Ardex Endura, Perma Construction Aids Pvt. Ltd. Star coating & Membranes Pvt. Ltd.
7	Water proofing compound for bathroom/ toilet /balcony & other wet areas	Star coating & Membranes Pvt. Ltd, Fosroc: Bush Bond, STP Ltd.: Shalcrete, CICO: Tapecrete, Dr. Fixit : Pidifine 2K, Sika : Topseal 107, Asian Paints: Damp Block 2K & equivalent product of BASF, Ardex Endura, Perma Construction Aids Pvt. Ltd.
8	Crystalline water proofing compound	Fosroc: Bushbond TGP, Dr. Fixit : Dr. Fixit Krystalline, Sika: Sika 101h, Asian Paints: SmartCare & equivalent product of BASF, Ardex Endura, STP Ltd., Perma Construction Aids Pvt. Ltd. Star coating & Membranes Pvt. Ltd.
9	Grouts, Tile Adhesive	Laticrete, STP Ltd., Kajaria, BASF, Perma, Ardex Endura, JK White & Ferrous Crete, Wuerth
10	Structural steel	SAIL, Tata Steel, Rashtriya Ispat Nigam Ltd. (RINL), JSW Steel Ltd., Jindal Steel & Power Ltd.
11	Polycarbonate sheet	GE Plastic, LEXAN & MG Polyplast
12	Profile steel sheet	Ezydeck of TATA, Lloyd Superdeck, JSW, Jindal
13	Particle board	Action TESA, Merino, Archidply & Orion Doors
14	Laminates	Action TESA, Vibrant Laminate Pvt. Ltd., Greenlam, Century Ply, Merino, Archidply, Virgo & Orion Doors
15	Flush door shutters	Duro, Century, Durian, Archidply, Green Ply, JAYNA (Jain Wood Industries), Jain Doors Pvt. Ltd., GREENPANEL & Orion Doors Note: Only ISI marked flush door shutters to be used.
16	Fire rated doors	Signum fire protection, PACIFIC, Shakti Metdoor, NAVAIR, Promat, Thrislington, Sukri & Bhawani. If fire rated glass is integral part of fire rated door than it should be of one of the following makes: Pyroguard, Saint Gobain, Asahi India, Pilkington & Schott
17	False ceiling system	Armstrong, USG Boral, Saint Gobain, Aerolite, Interarch, Hi-steel of PR Ceiling Products, Diamond Ceilings.
18	Plywood / Veneer	Greenply, Century, Merino, Durian, Archidply, GREENPANEL & Orion Doors
19	Melamine polish	Asian Paints melamine gold, Wudfin of Pidilite & Timbertone of ICI Dulux.
20	Floor spring & door closer	Godrej, Dormakaba, Dorset & Kich

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21	Aluminium section	Hindalco, Jindal & Indian Aluminium Co.
22	Anodized aluminium hardware (Heavy Duty)	Kilong, Alualpha, Classic & Ebco.
23	Clear / Float/Frosted/Toughen Glass/ Refractive Glass	Saint Gobain, AIS & Modiguard
24	Stainless steel railing, Accessories etc.	JINDAL, Dormakaba, Kich, GEZE, Godrej & Hardwyn
25	SS fittings for doors & window	Jindal, Dormakaba, Kich, Dorset, Godrej, Ozone & Define
26	Silicon based water repellent/weather sealant	GE Plastics, STP Ltd., Dow Corning, Waker, Wuerth, BASF & Pidilite (Dr. Fixit/Roff).
27	Poly-Sulphide Sealant	Fosroc, STP Ltd., Pidilite (Dr. Fixit/Roff), Sika & BASF
28	Mosaic tiles/Chequered Tiles	Ultra Tiles, NITCO, Hyper, Mayur & Pavcon
29	Glazed Ceramic Tiles	Kajaria, NITCO, Orient Bell, Johnson, Somany, RAK, Varmora & AGL
30	Vitrified Tiles (Antiskid / Matt / Glazed)	Kajaria, NITCO, Orient Bell, Johnson, Somany, RAK, Varmora, Restile & AGL
31	Paver block & Kerb stone	Pavcon, Hyper, Mayur, KK, Power, Sharda & Navya
32	Cement Based wall putty	Asian Paints, Birla Wall Care, JK White & Berger
33	Oil bound washable distemper / dry distemper	Asian Paints (Professional Acrylic Distemper), Nerolac: Beauty Acrylic Distemper, Berger: Bison Acrylic Distemper & Dulux ICI: Maxilite
34	1 st quality acrylic distemper (washable/ ready mix / Low VOC)	Asian Paints (Tractor Aqua Lock Paint), Berger: Commando or equivalent paints of Nerolac & ICI-Dulux
35	Acrylic emulsion paints	Asian Paints: (Professional Premium Interior Emulsion Paint), Nerolac: Beauty Gold, Berger: Rangoli Total Care & ICI Dulux: Super Cover
36	Plastic emulsion paint	Asian Paints: (Apolite Heavy Duty Premium Emulsion Paint), Nerolac: Impression, Berger: Easy Clean & ICI Dulux: 3 in 1
37	Premium acrylic emulsion paints (Interior)	Asian Paints: (Royale Luxury Emulsion), Nerolac: Impression, Berger: Silk & ICI Dulux: Velvet Touch
38	Textured exterior paint	Asian Paints, Nerolac, Berger Paints, Ultratech Paints & Luxture
39	Acrylic smooth exterior paint	Asian Paints: (Apex/Professional Premium Exterior Emulsion), Nerolac: XL, Berger: Weather Coat & ICI Dulux: Weather Shield.
40	Premium acrylic smooth exterior paint with silicon additive	Asian Paints: Apex Ultima, Nerolac: XL total, Berger: Weather Coat all Guard & ICI Dulux : Weather Shield Max
41	Synthetic Enamel Paint	Asian Paints: Apolite Premium Gloss Enamel, Nerolac: Synthetic Hi gloss, Berger: Luxol Hi gloss & ICI Dulux: Gloss Synthtic enamel.
42	Cement Primer	Nerolac, Berger (BP white), STP Ltd., Asian (Decoprime WT) & ICI (White primer).
43	Steel primer (Red Oxide Zinc Chromate Primer)	Asian Paints, Nerolac, Berger & ICI
44	Wood primer	Asian Paints (wood primer – White/Pink), Berger, ICI & Nerolac
45	Epoxy paint	Asian Paints, STP Ltd., Nerolac, Berger, ICI, Kansai & Akzo Nobel
46	Fire paint	Asian Paints, STP Ltd., Akzo Nobel, PROMAT & JOTUN, Wuerth
47	GI/MS Pipe	Tata, Jindal (Hisar) & Prakash Surya
48	GI Fittings	Unik, AVR & Zoloto
49	HDPE Pipes	Reliance, Jain Pipes, ORIPLAST & Supreme, Raksha
50	DI Pipes & fittings	Electrosteel, Jindal, TATA DUCTURA, Kapilansh & Kesoram
51	uPVC pipe and fittings	Astral, Supreme, APL Appolo, Prince, M/s Skipper Ltd.,

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		Ashirwad & Prayag Polymers Pvt. Ltd., Raksha
52	SW Pipes (BIS approved)	Anand, Parry & Perfect
53	Centrifugally Cast (Spun) Iron Pipes & Fittings /Hubless pipes & fittings	NECO, Kapilansh, SKF, Raj Pattern Makers & Founders Pvt. Ltd. or any other ISI marked make
54	CI Manhole covers, frames & GI Gratings	NECO,SKF & Kapilansh
55	SFRC Manhole covers & gratings	KK, JAIN & PARGATI
56	CP brass fittings (Superior Range)	Jaquar, Groh, Roka, Player & Kingston, Plato
57	CP brass fittings (Normal Range)	ESSCO (by Jaquar), Parryware, CERA, Kerovit (Kajaria), Johnson, Prayag Polymers Pvt. Ltd., Player & Kingston, Plato
58	Sanitary ware, fittings & accessories	Kerovit (Kajaria), CERA, Jaquar, Parryware, Hindware & Prayag Polymers Pvt. Ltd., Glocera
59	Mirror glass	Atul, Modi Guard & Golden Fish
60	CPVC Pipe & fitting	Astral, Superme, Prince, M/s Skipper Ltd., Ashirwad & Prayag Polymers Pvt. Ltd, APL Appolo, Kingston/Cobra, Raksha
61	Stainless steel sink	Silver Shine (Bluestar Sanitary Industries Pvt. Ltd.), Neelkanth, Niralli, Plato, Jyna & Prayag Polymers Pvt. Ltd., Kingston / Cobra, Jaynam
62	FRP doors shutters & frame	Jayna, Fiberways, Jain Doors Pvt. Ltd. & Selected Product Co.
63	Extruded polystyrene insulation board	Dowcorning, Supreme, Texas & Analco
64	Gypsum plaster	Ferrous Crete, Gyproc Saint Gobain, Ultra Tech & JK White
65	Floor hardener	Ironite, Perma, STP Ltd., Ferrok & Hardonate
66	Modular Expansion Joint	Herculus, Sanfield India Ltd & Vexcolt
67	Glass Wool	Dow Corning, UP Twiga & Isover
68	uPVC door/window/ventilator	Fenesta, Komerling, Rheau, Veka, Duroplast, Aluplast & Advika Profiles Pvt. Ltd. (Advika Fenster) (Fabrication and installation will be done by profile manufacturer or his authorized fabricator).
69	uPVC doors and window hardware	Roto, Dorset, DNV Accado & Kinlong
70	AAC block Adhesive	UltraTech, Perma, Ardex Endura & Ferrous Crete
71	PVC Water Tank	Syntex , Vectus,& Prayag
72	AAC Block	MAX Blocks, UltraTech, HIL & BILTECH ACE and Gravit
73	Modular Kitchen	Godrej, Evok by Hindware
74	Aluminum shuttering	Knest, S-form, Durand Forms (India) Pvt. Ltd. & Mivan
75	MS Tubular windows & Pressed Steel door frames	Jangid Engineering Works, AGFUV, Sen Harvic, Navair Delhi & Sukriti Delhi
76	Dash fasteners /Anchors	Hilti, Bosch & Fischer, Wuerth
77	MBBR reactor, Multi grade Filter & Activated Carbon Filter	Degremont, OSDPL, Thermax & ION Exchange
78	MBBR media	Cooldeck, MM Aqua, Eco Aqua & Ion Exehange
79	Solid PVC/WPC Door Frames & Shutters	PLASTO GREEN, Alstone

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(Guarantee offered by Bank to CPWD in connection with the execution of contracts)

Form of Bank Guarantee for Earnest Money Deposit/Performance Guarantee/Security Deposit/Mobilization Advance

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

OR**

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

2. We,..... (indicate the name of the bank) (herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs. (Rupees..... only) on demand by the Government within 10 days of the demand.
3. We,..... (indicate the name of the Bank), do hereby undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. (Rupees only)
4. We,..... (indicate the name of the Bank), further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any Court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.
5. We,..... (indicate the name of the Bank) ..

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....., further agree that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said Contractor or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. We, (indicate the name of the Bank) further agree that the Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.

7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.

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

9. This Bank Guarantee shall be valid up to unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. (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

Witnesses:

1. Signature.....

Name and address

Authorized signatory

Name

Designation

Staff code no.

Bank seal

2. Signature

Name and address

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

**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.

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ANNEXURE-I**AFFIDAVIT**

I/ we have submitted a bank guarantee for the work
:.....(Name of
work)

Agreement No dated.....

From.....(Name of bank with full address)

to the Executive Engineer..... (Name of
division)

With a view to seek exemption from payment of security deposit / performance
guarantee / guarantee money for work in cash. This bank guarantee expires
on.....

I /we undertaken to keep the validity of the bank guarantee intact by
getting it extended from time to time at my/ our own initiative upto a period
..... Months after the recorded date of
completion of the work or as directed by the Engineer-in-charge.

i/we also indemnify the government against any losses arising out of..... non
encashment of the bank guarantee if any

Deponent

Signature of contractor

The affidavit is to be given by the executants before a first class Magistrate.

**Assistant Engineer,
Sub Division – III,
CPWD, Lucknow.**

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AE – III

MILE STONE OF THE CONTRACT

SL. NO	DESCRIPTION OF MILE STONE	PERIOD FOR COMPLETION FROM DATE OF START IN MONTHS	WITHHELD AMOUNT FOR NON ACHIEVEMENT OF MILESTONE.
1.	Completion of 50% work of tendered amount	15 Days	2.50 % of the accepted tendered value.
2.	Completion of 100 % work of tendered amount	01 Month	2.50 % of the accepted tendered value.

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SCHEDULE OF QUANTITIES

Name of work:- Special repair and white wash work for Ground floor & First floor at office Addl. DG(T) , UP (East) LSA, CTO Compound , Hazratganj, Lcknow.

Sl. No.	Description of Items	Qty.	Rate i/c CI @ 5%	Unit	Amount
1	CLADDING WORK				
1.1	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 any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	17.00	1331.35	Sqm	22633.00
2	WOOD AND P.V.C. WORK				
2.1	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete	5.00	1181.09	each	5905.00
3	FINISHING				
3.1	12 mm cement plaster of mix :				
3.1.1	1:6 (1 cement: 6 coarse sand)	70.00	360.83	Sqm	25258.00
3.2	15 mm cement plaster on rough side of single or half brick wall of mix:				
3.2.1	1:6 (1 cement: 6 coarse sand)	50.00	415.12	Sqm	20756.00
3.3	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gm per ltr. of approved manufacturer and of required shade and colour all complete to achieve even shade and colour :				
3.3.1	New work (Two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre	450.00	194.93	Sqm	87719.00
3.4	Painting with synthetic enamel paint of approved and manufacturer to give an even shade				
3.4.1	Two or more coats on new work	20.00	163.70	Sqm	3274.00
3.5	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over	450.00	163.85	Sqm	73733.00

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	the plastered wall surface to prepare the surface even and smooth complete.				
3.6	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	450.00	26.41	Sqm	11885.00
	Total				251163.00
	Modified Estimated Cost after using correction factor on account of GST @ 0.973				244382.00
4	MARKET ITEMS				
4.1	Providing and fixing white vitreous china urinal(Back Inlet) of size 340x325x650 mm (Make-Jaquar Cat No-URS-WHT-13263) or equivalent all complete as per direction of Engineer-in-charge. .	1.00	16655.85	each	16656.00
4.2	Providing and fixing bright/matt finished ISI marked Stainless Steel tower bolts with necessary screws etc. complete :				
4.2.1	250X10mm	5.00	443.60	each	2218.00
4.3	Providing and fixing Stainless Steel floor door stopper with rubber, with necessary screws etc. complete as per direction of the Engineer-in-Charge.	5.00	347.70	each	1739.00
4.4	Providing and fixing bright/matt finished ISI marked Stainless Steel sliding door bolts with necessary screws etc. complete				
4.4.1	250x16 mm	5.00	1119.80	each	5599.00
4.5	Providing & fixing Toilet Roll Holder with Stainless steel flap (Jaquar make Cat No. ACN-1153S) or equivalent standard & design all complete approved by Engineer-in-Charge.	4.00	1720.20	each	6881.00
4.6	Providing & fixing Stainless Steel Single Towel Rail 600 mm long of make Jaquar Cat-No. AQN-7711 or equivalent approved make & quality complete with CP brass screws as per direction Engineer-in-charge.	3.00	2832.35	each	8497.00
4.7	Providing and fixing 2 mm thick Acrylic with LG Vinyl sheet name plates of required size having alphabets engraving of required size including making curvature (wherever required) and fitting the same with necessary stainless Steel screws on existing wall, all complete as	324.00	4.30	Sq. inch	1393.00

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	per direction of Engineer-in- Charge.				
4.8	Providing and fixing 2 mm thick Acrylic with LG Vinyl sheet name plates of required size having alphabets engraving of required size including making curvature (wherever required) and fitting the same with necessary stainless Steel screws on existing wall, all complete as per direction of Engineer-in- Charge.	288.00	4.30	Sq. inch	1238.00
4.9	Providing and fixing 4 mm thick Acrylic with LG Vinyl sheet name plates/ display board of required size having alphabets engraving of required size including making curvature (wherever required) and fitting the same with 02 Nos. stainless steel spacer on existing wall, all complete as per direction of Engineer-in- Charge.(Stainless steel Spacers shall be paid separately)	1440.00	5.70	Sq. inch	8208.00
			Total		296811.00

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