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Name of Work: - Upgradation of GPRA C-1/17 (Type VI-B), Humayun Road under Service Centre No. 210, 'N' Division, CPWD, New Delhi during 2026-27. (SH: Renovation work in kitchen, toilets and all rooms of the above technically occupied quarters and E&M Works).

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Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE(Admn.) AE(E)(P)

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NIT No. 33/SE/DC-1/N-Divn./2026-27 (236/EE/NDN/2026-27) for Rs. 1,24,20,383/- (Rupees One Crore Twenty-Four Lakh Twenty Thousand Three Hundred Eighty-Three Only) having Pages No. 1 to 140.

Assistant Engineer(E) (P)
Delhi Circle-1, CPWD,
I.P. Bhawan, New Delhi.

Superintending Engineer
Delhi Circle-1, CPWD,
I.P. Bhawan, New Delhi.

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE(Admn.) AE(E)(P)

PART- A

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NOTICE INVITING e-TENDERS

The Executive Engineer, N-Division, CPWD, IP Bhawan, New Delhi–110002 (Tel. No. 011-23378292, e-mail: deleecn.cpwd@nic.in) on behalf of the President of India, invites online **Percentage rate tenders** from the eligible and enlisted contractors of appropriate class of CPWD for the following work.

S. No	NIT No	Name of work & location	Estimate cost put to bid (Rs.)	Earnest Money (Rs.)	Stipulated period of completion of work (in months)	Last date of online submission of bid, copy of receipt of deposition of original EMD and other documents as specified in the bid document.	Date and Time of opening of bid
1	(33/SE/DC-1/N-Divn./2026-27) (236/EE/NDN/2026-27) Short Notice	**Upgradation of GPRA C-1/17 (Type VI-B), Humayun Road under Service Centre No. 210, 'N' Division, CPWD, New Delhi during 2026-27. (SH: Renovation work in kitchen, toilets and all rooms of the above technically occupied quarters and E&M Works).**	Rs.1,24,20,383/- (Civil Rs. 1,12,51,085/- + Elect. Rs. 11,69,298/-)	Rs. 2,48,408/-	02 Months	17/11/2026 at 3:00 PM	17/11/2026 at 3:00 PM

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

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

Executive Engineer
N-Divn, CPWD
NewDelhi-110002

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE(Admn.) AE(E)(P)

CHECK LIST FOR BIDDERS FOR SUBMISSION OF BIDS

1 The bidder should read all the instructions, items & conditions, contract clauses, nomenclature of items, specifications etc., contained in the bid document very carefully, before quoting the rates.

2 The bidder should also read the General Conditions of Contract for CPWD works 2023, published by DG (W), CPWD, Nirman Bhawan, New Delhi which will be a part of the Agreement with up-to-date amendments upto the date of receipt to tenders.

3 The bidder shall quote his rates keeping in mind the specifications, terms & conditions, additional and special conditions etc. and nothing extra shall be payable unless otherwise specified. **Since mostly flats are occupied by an Allottees, Work will be executed mostly in working hours of the day. In addition to that, agency shall have to work round the clock on Saturday, Sunday & Holidays, if needed. Nothing extra shall be paid to the agency in such situations. The agency has to submit programme chart accordingly for prior approval by the Engineer-in-charge.**

4 The bidder shall have to make his own arrangement for housing facilities for staff and labour away from construction site and shall have to transport the labour to and fro between construction site and labour camp at his own cost. No labour huts will be allowed to be constructed at the project site. Any decision in this regard shall rest with the Engineer-in-charge and the contractor shall have no claim on this account in any kind.

5 The bidder shall quote his rebate if required, mentioning specifically on what component it is applicable otherwise it shall be considered general rebate on total quoted rates.

6 The work required to be executed in occupied building. The bidder shall take precautions to ensure quality of workmanship as well as the progress of the work. He shall regulate the labourers accordingly.

7 The bidder shall make arrangement for disposal of dismantled materials, malba from upper floors or from the sites on daily basis which should be environment friendly.

8 C.P.W.D Contractor's Labour Regulations:

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

(i) Wages due to every worker shall be paid to him direct by contractor through Bank or ECS or online transfer to his bank account.

(ii) All wages shall be paid through bank or ECS or online transfer.

(iii) It shall be the duty of the contractor to ensure the disbursement of wages through bank account of labourers.

(iv) The contractor shall obtain from the junior Engineer or any other authorized representative of the Engineer-in-Charge as the case may be, a certificate under his signature at the end of the entries in the "Register of Wages" or the "Wage cum-Muster Roll" as the case may be in the following form:-

(v) "Certified that the amount shown in column No has been paid to the workman Concerned through bank account of labourers on……at ....."

9 Modifications as per DG, CPWD OM no. DG/SE/CM/CON/285 dated08/11/2015:-

a. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/registration or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW welfare board and program chart (time and progress) with in the period specified in schedule 'F'.

b. As per introduced clause 7A, no running account bill shall be paid for the work till the applicable labour license, registration with EPFO, ESIC and BOCW welfare board whatever applicable are submitted by the contractor to the Engineer-in-charge.

c. The contractor shall also comply with provision of the interstate migrant workman (regulation of employment) and condition of service Act 1979.

10 GST as applicable shall be borne by the agency. The agency shall quote his rates considering applicable GST and other taxes and nothing extra shall be paid on this account.

11 Necessary recoveries as applicable shall be made from the bill as per Govt. Rule.

12 Agency has to be following the up-to-date direction/guidelines issued by the department time to time regarding pandemic Covid-19.

13 In case of extension of agreement due to delay/reduction in scope of work; no claim on account of reduction in value of work, loss of business, loss of profit, consequently over heads, any type of interest etc. shall be entertained.

14 The agency shall be bound to do the work in any location under the jurisdiction of 'N' Division/DED-11as decided by Engineer-in-Charge for which nothing extra shall be paid.

15 Testing charges to be borne by contractor: - All expenditure to be incurred for testing of samples e.g. packaging, sealing, transportation, loading, unloading etc. including testing charges shall be borne by the contractor from approved laboratories by ADG(RD)/SDG.

16 The guidelines regarding preventive measures for Air Pollution from demolition & construction activities issued by Delhi Pollution Control Committee vide no. DPCC/EIA/Res-001 to 172/NGT-21/2015/225-408 dated 17.04.2015 in compliance of Hon'ble National green Tribunal directions are applicable to the contractor. All appropriate protection measures as per NGT, DPCC and Ministry of Environment and Forest issued time to time shall be taken by the contractor at his own cost. Nothing extra shall be payable to the contractor on this account.

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

(Applicable for inviting open tenders)

The Executive Engineer, N-Division, CPWD, IP Bhawan, New Delhi–110002 (Tel. No. 011-23378292, e-mail: deleecn.cpwd@nic.in) on behalf of the President of India, invites online **Percentage rate tenders** from the eligible and enlisted contractors of appropriate class of CPWD for the following work.

S. No	NIT No	Name of work &location	Estimate cost put to bid (Rs.)	Earnest Money (Rs.)	Stipulated period of completion of work (in months)	Last date of online submission of bid, copy of receipt of deposition of original EMD and other documents as specified in the bid document.	Date and time of opening of bid
1	(33/SE/DC-1/N-Divn./2026-27) 236/EE/NDN/2026-27 (Short Notice)	**Upgradation of GPRA C-1/17 (Type VI-B), Humayun Road under Service Centre No. 210, 'N' Division, CPWD, New Delhi during 2026-27. (SH: Renovation work in kitchen, toilets and all rooms of the above technically occupied quarters and E&M Works).**	Rs.1,24,20,383/- (Civil Rs. 1,12,51,085/- + Elect. Rs. 11,69,298/-)	Rs. 2,48,408/-	02 Months	17/11/2026 at 3:00 PM	17/11/2026 at 3:30 PM

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

1. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
2. Information and Instructions for bidders posted on website shall form part of bid document.
3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary document scan be seen and downloaded from website http://etender.cpwd.gov.inorwww.cpwd.gov.in free of cost.
4. But the bid can only be submitted after deposition of EMD Online through e-gateway.
5. Those contractors who are not registered or have not updated their profile on the website mentioned above, are required to get registered/update their profile beforehand. The necessary training materials including the videos with step to step process are available on download section of https://etender.cpwd.gov.in.
6. The intending bidder must have valid class-III digital signature certificate with encryption key (Combo type) to perform any operations/transactions on the e-tendering portal/website and the bidders should download and install the eMsigner on their system as per

instruction available on download section of https://etender.cpwd.gov.in.

7. On opening date, the contractor can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets.

8. Contractor can upload documents in the form of JPG format and PDF format.

9. Contract or must ensure to quoter ate in the prescribed column(s) meant for quoting rate in figures appears in yellow colour and the moment rate is entered; it turns sky blue

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

   However, If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

10. SC/ST contractors enlisted under class V category are exempted from processing fee payable to ITI.

11. The Contractor should quote the percentage above or below to two places of decimal only.

12. The officer inviting tenders shall have the right of rejecting all or any of the tenders and will notbe bound to accept the lowest or any other tender.

13. The tenderers shall sign a declaration under the officials Secret Act 1923, for maintaining secrecy of the tender documents drawings or other records connected with the work given to them. The unsuccessful tenderers shall return all the drawings given to them. Otherwise, department may reject the bid.

14. The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices quoted in the Schedule of Quantities, which rates and prices shall, except as otherwise provided, cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the works.

15. If there are varying or conflicting provisions made in any one document forming part of the contract, the Accepting Authority shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on the contractor.

16. Any error in description, quantity or rate in Schedule of Quantities or any omission there from shall not vitiate the Contract or release the Contractor from the execution of the whole or any part of the works comprised therein according to drawings and specifications or from any of his obligations underthe contract.

17. The agency shall follow the standard operating procedure and guidelines scrupulously at the construction site to contain the outbreak of COVID-19. It is the sole responsibility of the agency to adhere to the SOPs issued by CPWD and other orders & Guidelines issued by various Governments (Govt. of India and or/ state Govt. and /or Dist. Administrative of local Govt). The quoted rates shall inclusive of all such required measures and

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

18. The bidder, who has backed out, shall not be allowed to participate in the re-tendering process.

19. Testing charges to be borne by contractor: -

All expenditure to be incurred for testing of samples e.g. packaging, sealing, transportation, loading, unloading etc. including testing charges shall be borne by the contractor from approved laboratories byADG (D) / SDG.

20. The agency shall be bound to do the work in any location under the jurisdiction of 'N' Division asdecided by Engineer-in-Charge for which nothing extra shall be paid.

21. Malba obtained from execution of work shall be removed immediately and shall not remain in premisesmore than 24 hours.

22. Immediately after handing over of any accommodation to the agency, the architectural drawings viz. plan, section & elevation of the residence/flat mentioning each and every dimension shall be prepared by the agency & submitted to the department within 7 days in AutoCAD format. Also, photography/videography shall be done immediately for the handed over premises and submitted to the Engineer-in-charge. Nothing extra shall be payable on this account. Maximum time allowed for any individual flat/accommodation will be 60 days from the handing over of the same.

23. The agency has to prepare and submit the shop drawings for different components of work viz. window work, door work etc. and plumbing drawing. In addition, the agency has to associate experienced working professionals to make the working drawings of the area of work by way of incorporation of different components of work within 15 days of start of such work. Nothing extra shall be payable on this account.

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

1.	Scanned copy of original bank guarantee including e-Bank Guarantee of any commercial bank against EMD.
2.	Valid Enlistment Order of the Contractor.
3.	Copy of PAN CARD.
4.	GST registration certificate, if already obtained by the bidder. If the bidder has not obtained GST registration 'as applicable', then he shall scan and upload following undertaking along with bid documents. *"If work is awarded to me, l/we shall obtain GST registration certificate, as applicable, within one month from the date of receipt of award letter or before release of any Payment by CPWD, whichever is earlier, failing which l/we shall be responsible for any delay in payments which will be due towards me/us on account of the work executed and/or for any action taken by CPWD or GST Department in this regard".*
5.	Affidavit/ declarations to be given on Rs. 100/- Stamp papar on Format given at Annex-A2 regarding: **(a) Contact details:** Email and mobile No. of the firm/agency (for making correspondence), **(b) Affidavit regarding Non-Debarred/Suspended in CPWD.** **(c) Declaration under official secret Act 1923**
6.	Valid Electrical Contractor License or undertaking that "I/We shall either obtain valid electrical license at the time of execution of electrical work or associate an approved and eligible contractor of CPWD in appropriate class having valid electrical contractor license".
7.	The certificate issued through LMS (Learning Management System) in ERP under "Train the Trainers Program" arranged by ERP unit. ERP Training certificate.

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

Executive Engineer
N-Divn, CPWD
NewDelhi-110002

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE(Admn.) AE(E)(P)

Annexure – 'A2'

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

(a) Contact Details **(b) Non-Debarred/Suspended in CPWD**

(c) Declaration under official secret Act 1923

To,

The Executive Engineer
N-Division, CPWD,
IP Bhawan, New Delhi.

Name of Work: Upgradation of GPRA C-1/17 (Type VI-B), Humayun Road under Service Centre No. 210, 'N' Division, CPWD, New Delhi during 2026-27. (SH: Renovation work in kitchen, toilets and all rooms of the above technically occupied quarters and E&M Works).

NIT No. : 33/SE/DC-1/N-Division/2026-27

A. **Contact Details**

(i) E-Mail Id. :……

(ii) Mobile Number:……

B. Affidavit regarding Non-Debarred/ Suspended in CPWD in Rs. 100/- stamp paper.

"I/We have not been debarred/suspended for tendering in CPWD/NDMC/DDA & Railway till the last date of submission of bid".

C. Declaration under official secret Act 1923

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

Signature of bidder(s)

TO BE SIGNED BY THE BIDDER AND SAME SIGNATORY COMPETENT/AUTHORISED TO SIGN THE RELEVANT CONTRACT ON BEHALF OF CPWD

INTEGRITY AGREEMENT

ThisIntegrityAgreementismadeat.....onthis.....dayof.....20.....

BETWEEN

President of India represented through **Executive Engineer, N-Division., C.P.W.D., New Delhi** (Hereinafter referred as the (N-Division, CPWD, IP Bhawan, New Delhi) '**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 here of include its successors and permitted assigns)

PREAMBLE

WHEREAS the Principal / Owner has floated the Tender **(NIT No. *……** (hereinafter referred to as "**Tender/Bid**") and intends to award, under laid down organizational procedure, contract for: -

Name of Work: - Upgradation of GPRA C-1/17 (Type VI-B), Humayun Road under Service Centre No. 210, 'N' Division, CPWD, New Delhi during 2026-27. (SH: Renovation work in kitchen, toilets and all rooms of the above technically occupied quarters and E&M Works).

Here in after referred to as the **"Contract".**

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)

**To be filled by Executive Engineer

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/Tender documents and Contract between the parties.

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE(Admn.) AE(E)(P)

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

Article1: 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.

(b) The Principal/Owner will, during the Tender process, treat all Tenderer(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Tenderer(s) the same information and will not provide to any Tenderer(s) confidential / additional information through which the Tenderer(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 Tenderer(s)/Contractor(s)

1) It is required that each Tenderer /Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government / Departmentall 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 Tenderer(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 Tenderer (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 Tenderer (s)/Contractor(s) will not enter with other Tenderer (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 tenders orany other actions to restrict competitiveness or to cartelize in the tendering process.

c) The Tenderer (s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Tendered(s)/Contract(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 Tendered(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any.

Similarly, Tenderer (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 tender 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 ina subsequent/parallel tender for the same item.

e) The Tenderer(s)/Contractor(s) will, when presenting his tender, disclose 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 Tenderer(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

4) The Tenderer(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 Tenderer(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 influencetheir 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 Tenderer(s)/Contractor(s) and the Tenderer/ Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right:

1) If the Tenderer(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 Tenderer(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Tenderer/Contractor from future contract award processes. The imposition and duration ofthe 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.**

2) **Forfeiture of EMD/Performance Guarantee/Security Deposit**: If the Principal/Owner has disqualified the Tenderer(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 theTenderer/Contractor.

3) **Criminal Liability:** If the Principal/Owner obtains knowledge of conduct of a Tenderer or Contractor, or of an employee or a representative or an associate of a Tenderer or Contractor which constitutes corruption within the meaning of IPC 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 Tenderer 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 Indiathat could justify his exclusion from the Tender process.

2) If the Tenderer makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Tenderer/Contractor as deemed fit by the Principal/ Owner.

3) If the Tenderer/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 Tenderers/Contractors/Sub contractors

1) The Tenderer(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Tenderer/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Subcontractors/ sub-vendors.

2) The Principal/Owner will enter into Pacts on identical terms as this one with all Tenderers and Contractors.

3) The Principal/Owner will disqualify Tenderers, who do not submit, the duly signed Pact between the Principal/Owner and the tenderer, along with the Tender or violate its provisionsat 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 24 Months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other tenderers, 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.

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, a representative duly authorized by board resolution must sign the Pact.

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 intensions.

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 thereof 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 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/Contact 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 anddate first above mentioned in the presence of following witnesses:

…….....
(For and on behalf of Principal/Owner)
……..
(For and on behalf of
Tenderer/Contractor) WITNESSES:
1. ……
(signature, name and address)
2. ……
(signature, name and address)

Place:
Date:

INTEGRITY PACT

To,

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

Sub: NIT No. ....**

Name of Work: - Upgradation of GPRA C-1/17 (Type VI-B), Humayun Road under Service Centre No. 210, 'N' Division, CPWD, New Delhi during 2026-27. (SH: Renovation work in kitchen, toilets and all rooms of the above technically occupied quarters and E&M Works).

Dear Sir,

It is hereby 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 Tenderer will sign the integrity Agreement, which is an integral part of tender/tender documents, failing which the tenderer/tenderer will stand disqualified from the tendering process and the tender of the tenderer 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

Executive Engineer

Letter of Transmittal

To,

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

Sub: NIT No. ....**

Name of Work: - Upgradation of GPRA C-1/17 (Type VI-B), Humayun Road under Service Centre No. 210, 'N' Division, CPWD, New Delhi during 2026-27. (SH: Renovation work in kitchen, toilets and all rooms of the above technically occupied quarters and E&M Works).

Dear Sir,

I/We acknowledge that CPWD is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/tender 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 TENDER 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/tender 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/tender, CPWD shall have unqualified, absolute and unfettered right to disqualify the tenderer/tenderer and reject the tender/tender is accordance with terms and conditions of the tender/tender.

Yours faithfully

(Duly authorized agency of the Tenderer)

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

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

1. Whereas the Executive Engineer, N-Division, CPWD on behalf of the President of India (hereinafter called "The Government") has entered into and 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 here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. …….. (Rupees ..... Only)

4. We,.....(indicate the name of the Bank), further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any Court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.

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

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

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

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

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

Date …….

Witness:-

1. Signature …….
signatoryName and address

Authorized
Name

Designation Staff code no.Bank seal

2. Signature …….
Name and address

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

** In paragraph I, strike out the portion not applicable. Bank Guarantee will be made either for performanceguarantee/security deposit/mobilization advance, as the case may

CPWD-6 (for e-Tendering)

1. Online Percentage Rate bids are invited on behalf of the President of India from the approved, eligible and enlisted contractor of appropriate class of CPWD for the following work: - **Upgradation of GPRA C-1/17 (Type VI-B), Humayun Road under Service Centre No. 210, 'N' Division, CPWD, New Delhi during 2026-27. (SH: Renovation work in kitchen, toilets and all rooms of the above technically occupied quarters and E&M Works).**

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

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

1.1 The work is estimated to cost **Rs.1,24,20,383/- (Civil Rs. 1,12,51,085/- + Elect. Rs. 11,69,298/-)** This estimate, however, is given merely as a rough guide.

2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD-7, which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidder shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.

3. The time allowed for carrying out the work will be **02 Months** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.

4. The site for the work is available.

5. Bid documents consisting of plans, specifications, the schedule of quantities of the various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen and downloaded from website https://etender.cpwd.gov.in or www.cpwd.gov.infree of cost.

6. After submission of the bids the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.

7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.

8. **Earnest Money will be paid online through CPWD e-Tendering platform within the period of bid submission.**

   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 **17/11/2026**

9. The bid submitted shall become invalid and e-Tender processing fee (if applicable) shall not be refunded if:

   (i) The bidder is found ineligible.

   (ii) The bidder does not upload scanned copies of all the documents stipulated in the bid document.

   (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.

   (iv) If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

   (OM No. DG/SOP 2022/07 dated 09.11.2022)

10. The contractor whose bid is accepted will be required to furnish performance guarantee at specified percentage of the tendered amount as mentioned in Schedule-'E' and within the period specified in Schedule F. This guarantee shall be in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee i/c e-Bank Guarantee from any of the Commercial Bank in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. if applicable and also ensure the compliance of aforesaid provisions by the sub-contractors, if any engaged by the contractors for the said work within the period specified in Schedule F.

11. The Description of work is as follows: - Upgradation of GPRA C-1/17 (Type VI-B), Humayun Road under Service Centre No. 210, 'N' Division, CPWD, New Delhi during 2026-27. (SH: Renovation work in kitchen, toilets and all rooms of the above technically occupied quarters and E&M Works).

Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or effect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderers shall be responsible for arranging and maintaining at his own cost all materials, tools and plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in

the contract documents. Submission of tender by a tenderer implies that he has read this notice and all other contract documents has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plants etc., will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

12. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.

13. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractor who resort to canvassing will be liable for rejection.

14. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.

15. The contractor shall not be permitted to tender for works in the CPWD Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Executive Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any Gazette officer in the Central Public Works Department or in the Ministry of Housing & 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.

16. No. Engineer of Gazette rank or other Gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.

17. The bids for the work shall remain open for acceptance for a period of **30(Thirty) days** from the date of opening of bids, Further

(i) If any tenderer withdraws his tender or makes any modification in the term & Conditions of the tender, which is not acceptable to the department within 7 days after last date of submission of bids, then the government shall without prejudice to any other right or remedy, be at liberty forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.

(ii) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender, which is not acceptable to the department after expiry of 7 days after last date of submission of bid, then the government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.

(iii) In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the re-bidding process of the same work.

18. This Notice inviting bid shall form part of the contract document. The successful bidder/contractor, on acceptance of his bid by the Accepting Authority, shall, within 15(Fifteen) days from the stipulated date of start of work, sign the contract consisting of: -

(a) The notice inviting bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.

(b) Standard CPWD Form-7, GCC 2023 (Maintenance work) as corrected/modified, amendments issued upto last day of the online receipt of tender.

19. Incaseofextensionofagreementduetodelayand/orreductioninscopeofworkduetoforeclosure, no claim on account of reduction in value of work, loss of business, loss of profit consequently over heads, any type of interest etc. shall been entertained.

20. If the exigencies of the work so demand, the Engineer-in-charge may allow payment to a third party, who is creditor to the contractor, after fulfilling the conditions under clause 7B of Schedule A to F.

22. GST as applicable shall be borne by the agency. The agency shall quote his rates considering applicable GST and other taxes and nothing extra shall be paid on this account.

23. Necessary recoveries as applicable shall be made from the bill.

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

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

C.P.W.D.- 7

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE :- **New Delhi** CIRCLE:- **Delhi Circle-1**
BRANCH :- **B & R** DIVISION :- **N-Division**
REGION :- **Delhi**

Percentage Rate Tender & Contract for Civil Works

Tender for the work of: - **Upgradation of GPRA C-1/17 (Type VI-B), Humayun Road under Service Centre No. 210, 'N' Division, CPWD, New Delhi during 2026-27. (SH: Renovation work in kitchen, toilets and all rooms of the above technically occupied quarters and E&M Works).**

(i) Tenders to be uploaded online by 03:00 PM on 17/11/2026
(ii) To be opened online in presence of tenders who may be present on **17/11/2026** at **03:30 PM in the office of Executive Engineer, N-Division, CPWD, I.P. Bhawan, New Delhi.**

(TENDER)

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

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

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

I/We have deposited EMD through online payment mode for the prescribed amount as per the bid document.

A copy of earnest money in deposit receipt of prescribed amount deposited in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (as prescribed) issued by a Commercial Bank, is scanned and uploaded. If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India or his successors in office shall without prejudice to any other right or remedy. Be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/ We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

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

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

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

Dated ..... Signature of Contractor

Postal Address

Witness :
Address:
Occupation :

ACCEPTANCE

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

The letters referred to below shall form part of this contract Agreement: -
I)
ii)
iii)

For & on behalf of the President of India.
Signature .....
Dated..... Designation .....

NOTIFICATION AND CIRCULERS

No. 1(10)/T&PR/2016

Government of India
Directorate General
Central Public Works Department
Technical & Public Relations Unit

Tel No. 23061584 Email: dirtech-pr.cpwd@nic.in
105-A, Nirman Bhawan,
New Delhi, Dated: **27.01.2016**

OFFICE MEMORANDUM

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

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

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

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

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

This issues with the approval of Director General, CPWD.

Encl. As above.

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

To (**through CPWD website**)

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

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

(A) **NGT order dated 04.12.2014**:

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

(B) **NGT order dated 10.04.2015**:

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

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

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

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

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

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

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

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

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

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CENTRAL PUBLIC WORKS DEPARTMENT

OFFICE MEMORANDUM
No. DG/CON/Misc./04
ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAVAN,NEW DELHI DATED: 23.01.2017

Sub : Compliance on Construction & Demolition Waste Management Rules, 2016 – Regarding Disposal of Waste to the approved by local Authority.

Ref : Ministry of Environment and Forest notification dt. 29.03.2016 Construction and Demolition Waste Management Rules 2016 in exercise of powers Conferred by Environment (Protection) Act 1986 (Available at web address www.moef.gov.in).

The above Rules notified by Ministry of Environment and Forest are brought to the notice of all NIT approving authorities and they are directed to incorporate suitable provisions in the special conditions and ensure compliance of the Rules.

This issues with the approval of ADG(TD).

23/01/17

Superintending Engineer (C&M)

Issued from file No. CSQ/CM/C/17(1)/2017

Copy to:-

1. All Spl. DGs, CPWD, E-in-C, PWD, Delhi Govt. They are requested to endorse a copy of this O.M. to all ADGs, CEs, SEs & EEs concerned.

Executive Engineer (C)

NOTIFICATION

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

New Delhi, the 29th March, 2016

G.S.R. 317(E).-Whereas the Municipal Solid Wastes (Management and Handling) Rules, 2000 published vide notification number S.O. 908(E), dated the 25th September, 2000 by the Government of India in the erstwhile Ministry of Environment and Forests, provided a regulatory frame work for management of Municipal Solid Waste generated in the urban area of the country;

And whereas, to make these rules more effective and to improve the collection, segregation, recycling, treatment and disposal of solid waste in an environmentally sound manner, the Central Government reviewed the existing rules and it was considered necessary to revise the existing rules with a emphasis on the roles and accountability of waste generators and various stakeholders, give thrust to segregation, recovery, reuse, recycle at source, address in detail the management of construction and demolition waste.

And whereas, the draft rules, namely, the Solid Waste Management Rules, 2015 with a separate chapter on construction and demolition waste were published by the Central Government in the Ministry of Environment, Forest and Climate Change vide G.S.R. 451 (E), dated the 3rd June, 2015 inviting objections or suggestions from the public within sixty days from the date of publication of the said notification; and Whereas, the objections or suggestions received within the stipulated period were duly considered by the Central Government;

Now, therefore, in exercise of the powers conferred by sections 6, 25 of the Environment(Protection) Act, 1986 (29 of 1986), and in supersession of the Municipal Solid Wastes (Management and Handling) Rules, 2000, except as respect things done or omitted to be done before such supersession, the Central Government hereby notifies the following rules for Management of Construction and Demolition Waste –

1. **Short title and commencement-**

   (1) These rules shall be called the Construction and Demolition Waste Management Rules, 2016.

   (2) They shall come into force on the date of their publication in the Official Gazette.

2. **Application.-**The rules shall apply to every waste resulting from construction, re-modelling, repair and demolition of any civil structure of individual or organization or authority who generates construction and demolition waste such asbuilding materials, debris, rubble.

3. **Definitions –**(1) In these rules, unless the context otherwise requires,-

   (a) "ACT' means the Environment (Protection) Act, 1986 (29 of 1986);

   (b) "**construction**" means the process of erecting of building or built facility or other structure, or building ofinfrastructure including alteration in these entities;

   (c) "**construction and demolition waste**" means the waste comprising of building materials, debris and rubble resulting from construction, re-modelling, repair and demolition of any civil structure;

   (d) **"de-construction"** means a planned selective demolition in which salvage, re-use and recycling of thedemolished structure is maximized;

   (e) **"demolition"** means breaking down or tearing down buildings and other structures

either manually or using mechanical force (by various equipment) or by implosion using explosives.

(f) **"form"** means a Form annexed to these rules;

(g) **"local authority"** means an urban local authority with different nomenclature such as municipal corporation, municipality, nagar palika, nagar nigam, nagar panchayat, municipal council including notified area committee and not limited to or any other local authority constituted under the relevant statutes such as gram panchayat, where the management of construction and demolition waste is entrusted to such agency;

(h) **" schedule"** means a schedule annexed to these rules;

(i) **"service provider'** means authorities who provide services like water, sewerage, electricity, telephone, roads, drainage etc. often generate construction and demolition waste during their activities, which includes excavation, demolition and civil work;

(j) **"waste generator" means any person or association of persons** or institution, residential and commercial establishments including Indian Railways, Airport, Port and Harbour and Defence establishments who undertakes construction of or demolition of any civil structure which generate construction and demolition waste.

(2) Words and expressions used but not defined herein shall have the same meaning defined in the ACT.

(3) Duties of the waste generator –

(1) Every waste generator shall prima-facie be responsible for collection, segregation of concrete, soil and others and storage of construction and demolition waste generated, as directed or notified by the concerned local authority in consonance with these rules.

(2) The generator shall ensure that other waste (such as solid waste) does not get mixed with this waste and is stored and disposed separately.

(3) Waste generators who generate more than 20 tons or more in one day or 300 tons per project in a month shall segregate the waste into four streams such as concrete, soil, steel, wood and plastics, bricks and mortar and shall submit waste management plan and get appropriate approvals from the local authority before starting construction or demolition or remodeling work and keep the concerned authorities informed regarding the relevant activities from the planning stage to the implementation stage and this should be on project to project basis.

(4) Every waste generator shall keep the construction and demolition waste within the premise or get the waste deposited at collection centre so made by the local body or handover it to the authorized processing facilities of construction and demolition waste; and ensure that there is no littering or deposition of construction and demolition waste so as to prevent obstruction to the traffic or the public ordains.

(5) Every waste generator shall pay relevant charges for collection, transportation, processing and disposal as notified by the concerned authorities; Waste generators who generate more than 20 tons or more in one day or 300 tons per project in a month shall have to pay for the processing and disposal of construction and demolition waste generated by them, apart from the payment for storage, collection and transportation. The rate shall be fixed by the concerned local authority or any other authority designated by the State Government.

(4) Duties of service provider and their contractors –

(1) The service providers shall prepare within six months from the date of notification of these rules, a comprehensive waste management plan covering segregation, storage, collection, reuse, recycling, transportation and disposal of construction and demolition waste generated within their jurisdiction.

(2) The service providers shall remove all construction and demolition waste and clean the area every day, if possible, or depending upon the duration of the work, the quantity and type of waste generated, appropriate storage and collection, a reasonable timeframe shall be worked out in consultation with the concerned local authority.

(3) In case of the service providers have no logistics support to carry out the work specified in sub rules(1) and (2) , they shall tie up with the authorised agencies for removal of construction and demolition waste and pay the relevant charges as notified by the local authority.

(5) Duties of local authority- The local authority shall

(1) issue detailed directions with regard to proper management of construction and demolition waste within its jurisdiction in accordance with the provisions of these rules and the local authority shall seek detailed plan or undertaking as applicable, from generator of construction and demolition waste.

(2) chalk out stages, methodology and equipment, material involved in the overall activity and final clean up after completion of the construction and demolition

(3) seek assistance from concerned authorities for safe disposal of construction and demolition waste contaminated with industrial hazardous or toxic material or nuclear waste if any

(4) shall make arrangements and place appropriate containers for collection of waste and shall remove at regular intervals or when they are filled, either through own resources or by appointing private operators

(5) shall get the collected waste transported to appropriate sites for processing and disposal either through own resources or by appointing private operators

(6) shall give appropriate incentives to generator for salvaging, processing and or recycling preferably in-situ

(7) shall examine and sanction the waste management plan of the generators within a period of one month or from the date of approval of building plan, whichever is earlier from the date of its submission

(8) shall keep track of the generation of construction and demolition waste within its jurisdiction and establish a database and update once in a year

(9) shall device appropriate measures in consultation with expert institutions for management of construction and demolition waste generated including processing facility and for using the recycled products in the best possible manner

(10) shall create a sustained system of information, education and communication for construction and demolition waste through collaboration with expert institutions and civil societies and also disseminate through their own website;

(11) shall make provision for giving incentives for use of material made out of construction and demolition waste in the construction activity including in non-structural concrete, paving blocks, lower layers of road pavements, colony and rural roads.

(6) Criteria for storage, processing or recycling facilities for construction and demolition wasteland application of construction and demolition waste and its products-

(1) The site for storage and processing or recycling facilities for construction and demolition waste shall be selectedas per the criteria given in **Schedule I**;

(2) The operator of the facility as specified in sub- rules (1) shall apply in **Form I** for authorization from StatePollution Control Board or Pollution Control Committee.

(3) The operator of the facility shall submit the annual report to the State Pollution Control Board in **Form II.**

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

(7) Duties of State Pollution Control Board or Pollution Control Committee-

a. State Pollution Control Board or Pollution Control Committee shall monitor the implementation of these rules by the concerned local bodies and the competent authorities and the annual report shall be sent to the Central Pollution Control Board and the State Government or Union Territory or any other State level nodal agency identified by the State Government or Union Territory administration for generating State level comprehensive data. Such reports shall also contain the comments and suggestions of the State Pollution Control Board or Pollution Control Committee with respect to any comments or changes required;

2) State Pollution Control Board or Pollution Control Committee shall grant authorization to construction and demolition waste processing facility in **Form-III** as specified under these rules after examining the application received in **Form I**;

(3) State Pollution Control Board or Pollution Control Committee shall prepare annual report 36anage **IV** with special emphasis on the implementation status of compliance of these rules and forward report to Central Pollution Control Board before the 31stJuly for each financial year.

(8) Duties of State Government or Union Territory Administration-

a. The Secretary in-charge of development in the State Government or Union territory administration shall prepare their policy document with respect to management of construction and demolition of waste in accordance with the provisions of these rules within one year from date of final notification of these rules.

b. The concerned department in the State Government dealing with land shall be responsible for providing suitablesites for setting up of the storage, processing and recycling facilities for construction and demolition waste.

c. The Town and Country planning Department shall incorporate the site in the approved land use plan so that thereis no disturbance to the processing facility on a long term basis.

d. Procurement of materials made from construction and demolition waste shall be made mandatory to a certain percentage (say 10-20%) in municipal and Government contracts subject to strict quality control.

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

a. prepare operational guidelines related to environmental management of construction and demolition wastemanagement;

b. analyze and collate the data received from the State Pollution Control Boards or Pollution Control Committeeto review these rules from time to time;

c. coordinate with all the State Pollution Control Board and Pollution Control Committees for any matter relatedto development of environmental standards;

d. forward annual compliance report to Central Government before the 30thAugust for each financial year based on reports given by State Pollution Control Boards of Pollution Control Committees.

(10) Duties of Bureau of Indian Standards and Indian Roads Congress –The Bureau of Indian Standards and IndianRoads Congress shall be responsible for preparation of code of practices and standards for use of recycled materials and products of construction and demolition waste in respect of construction activities and the role of Indian RoadCongress shall be specific to the standards and practices pertaining to construction of roads.

(11) Duties of the Central Government –

a. The Ministry of Urban Development, and the Ministry of Rural Development, Ministry of Panchayat Raj, shall be responsible for facilitating local bodies in compliance of these rules;

b. The Ministry of Environment, Forest and Climate Change shall be responsible for reviewing implementationof these rules as and when required.

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

(13) Accident reporting by the construction and demolition waste processing facilities-In case of any accident during construction and demolition waste processing or treatment or disposal facility, the officer in charge of the facility in the local authority or the operator of the facility shall report of the accident in **Form-V** to the local authority. Local body shall review and issue instruction if any, to the in charge of the facility.

Schedule I

Criteria for Site Selection for Storage and Processing or Recycling Facilities for construction and Demolition Waste

[See Rule 7(1)]

(1) The concerned department in the State Government dealing with land shall be responsible for providing suitable sites for setting up of the storage, processing and recycling facilities for construction and demolition and hand over the sites to the concerned local authority for development, operation and maintenance, which shall ultimately be given to the operators by Competent Authority and wherever above Authority is not available, shall lie with the concerned local authority.

(2) The Local authority shall co-ordinate (in consultation with Department of Urban Development of the State or the Union territory) with the concerned organizations for giving necessary approvals and clearances to the operators.

(3) Construction and demolition waste shall be utilized in sanitary landfill for municipal solid waste of the city or region as mentioned at Schedule I of these rule. Residues from construction and demolition waste processing or recycling industries shall be land filled in the sanitary landfill for solid waste.

(4) The processing or recycling shall be large enough to last for 20-25 years (project based on-site recycling facilities).

(5) The processing or recycling site shall be away from habitation clusters, forest areas, water bodies, monuments, National Parks, Wetlands and places of important cultural, historical or religious interest.

(6) A buffer zone of no development shall be maintained around solid waste processing and disposal facility, exceeding five Tonnes per day of installed capacity. This will be maintained within the total area of the solid waste processing and disposal facility. The buffer zone shall be prescribed on case-to-case basis by the local authority in consultation with concerned State Pollution Control Board.

(7) Processing or recycling site shall be fenced or hedged and provided with proper gate to monitor incoming vehicles or other modes of transportation.

(8) The approach and or internal roads shall be concreted or paved so as to avoid generation of dust particles due to vehicular movement and shall be so designed to ensure free movement of vehicles and other machinery.

(9) Provisions of weigh bridge to measure quantity of waste brought at landfill site, fire protection equipment and other facilities as may be required shall be provided.

(10) Utilities such as drinking water and sanitary facilities (preferably washing/bathing facilities for workers) and lighting arrangements for easy landfill operations during night hours shall be provided and Safety provisions including health inspections of workers at landfill sites shall be carried out made.

(11) In order to prevent pollution from processing or recycling operations, the following provisions shall be made, namely:

(a) Provision of storm water drains to prevent stagnation of surface water;

(b) Provision of paved or concreted surface in selected areas in the processing or recycling facility forminimizing dust and damage to the site.

(c) Prevention of noise pollution from processing and recycling plant:

(d) Provision for treatment of effluent if any, to meet the discharge norms as per Environment (Protection)Rules, 1986.

(12) Work Zone air quality at the Processing or Recycling site and ambient air quality at the vicinity shall be monitored.

(13) The measurement of ambient noise shall be done at the interface of the facility with the surrounding area ,i.e., atplant boundary.

(14) The following projects shall be exempted from the norms of pollution from dust and noise as mentioned above: For construction work, where at least 80 percent construction and demolition waste is recycled or reused in-situ and sufficient buffer area is available to protect the surrounding habitation from any adverse impact.

(15) A vegetative boundary shall be made around Processing or Recycling plant or site to strengthen the buffer zone.

Schedule II

Application of materials made from construction and demolition waste and its products.

[See Rule 7(3)]

Sl. No.	Parameters	Compliance Criteria
1	Drainage layer in leach ate collection system at bottom of Sanitary Landfill Gas CollectionLayer above the waste at top of Sanitary Landfill and Drainage Layer in top Cover System above Gas Collection Layer of Sanitary Landfill For capping of sanitary landfill or dumpsite, drainage layer at the top	Only crushed and graded hard material (stone, concrete etc.) shall be used having coarse sand size graded material (2mm – 4.75mm standard sieve size)Since the coarse sand particles will be angular in shape (and not rounded as for riverbed sand), protection layers of non-woven geo- textiles may be provided, wherever required, to prevent puncturing of adjacent layers or components.
2	Daily cover	Fines from construction and demolition processed waste having size up to 2 mm shall be used for daily cover over the fresh waste. Use of construction and demolition fines as landfill cover shall be mandatory where such material is available. Fresh soil (sweet earth) shall not be used for such places and borrow-pits shall not be allowed. Exception – soil excavated during construction of the same landfill. During hot windy days in summer months, some fugitive dust problems may arise. These can be minimized by mixing with local soil wherever availablefor limited period.
3	Civil construction in a sanitary landfill	Non-structural applications, such as kerb stones, drain covers, paving blocks inpedestrian areas

Schedule III

Time frame for Planning and Implementation [See Rule 13]

Sl. No.	Compliance Criteria	Cities with population of 01 million and above	Cities with population of 0.5-01 million	Cities with population of less than 0.5 million
1	Formulation of policyby State Government	12 months	12 months	12 months
2	Identification of sites forcollection and processing facility	18 months	18 months	18 months
3	Commissioning and implementation of thefacility	18 months	24 months	36 months
4	Monitoring by SPCBs	3 times a year – once in 4 months	2 times a year – once in 6 months	2 times a year – once in 6 months

*The time Schedule is effective from the date of notification of these rules.

FORM – I

See [Rule 7 (2)] Application for obtaining authorization

To,
The Member Secretary.

Name of the local authority or Name of the agency: appointed by the municipal authority

Correspondence address Telephone No. Fax No.	
Nodal Officer and designation (Officer authorized by the competent authority or agency responsible for operation of processing or recycling or disposal facility)	
Authorisation applied for (Please tick mark)	Setting up of processing or recycling facility of construction and demolition waste
Detailed proposal of construction and demolition waste processing or recycling facility to include the following Location of site approved and allotted by the Competent Authority. Average quantity (in tons per day) and composition of construction and demolition waste to be handled at the specific site. Details of construction and demolition waste processing or recycling technology to be used. Quantity of construction and demolition waste to be processed per day. Site clearance from Prescribed Authority. Salient points of agreement between competent authority or local authority and operating agency (attach relevant document). Plan for utilization of recycled product. Expected amount of process rejects and plan for its disposal (e.g., sanitary landfill for solid waste). Measures to be taken for prevention and control of environmental pollution. Investment on project and expected returns. Measures to be taken for safety of workers working in the processing or recycling plant. Any preventive plan for accident during the collection, transportation and treatment including processing and recycling should be informed to the Competent Authority (Local Authority) or Prescribed Authority	

Form-II
Format for Issue of Authorization to the Operator

File No.:

Date.:

To,

_____

_____

_____

Ref : Your application number Dt. ……

The_____State Pollution Control Board or Pollution Control Committee after examining the proposalhereby authorizes_____having their administrative office at___ _____to set upand operate construction and demolition waste processing facility at_on term and conditions(including the standards to comply) attached to this authorization letter.

1. The validity of this authorization is till. After expiry of the validity period, renewal of authorization is to be sought.

2. The State Pollution Control Board or Pollution Control Committee may, at any time, for justifiable reason, revoke any of the conditions applicable under the authorization and shall communicate the same in writing.

3. Any violation of the provision of the construction and demolition Waste Management Rules, 2016 shall attract the penal provision of the Environment (Protection) Act, 1986 (29 of 1986).

Date: (Member Secretary)
Place: State Pollution Control
Board/Pollution Control
Committee

Form – III

Format of Annual Report to be submitted by Local Authority to the State Pollution Control Board

(i) Name of the City or Town…….

(ii) Population……

(iii) Name and address of local authority or competent authority Telephone No :
……
Fax : …….

Email ID: …….

Website: ……..

(iv) Name of In-charge or Nodal Officer dealing with construction and demolition wastes management with designation
……

Quantity and composition of construction and demolition waste including any deconstruction waste

(a) Total quantity of construction and demolition waste generated during the whole year in metric ton Any figures for lean period and peak period generation per day
……..
Average generation of construction and demolition waste (TPD) Total quantity of construction and demolitionwaste collected per day

Any Processing / Recycling Facility set up in the city ……

Status of the facility

(b) Total quantity of construction and demolition waste processed / recycled (in metric ton)Non-structuralconcrete aggregate :
Manufactured sand :

Ready-mix concrete (RMC) :

Paving blocks :

GSB :

Others, if any, please specify :

(c) Total quantity of Construction & Demolition waste disposed by land filling without processing (lastoption) or filling low lying areas

No of landfill sites used :

Area used :

Whether weigh-bridge : Yes / Nofacility used for quantity estimation?

(d) Whether construction and demolition waste used in sanitary landfill (for solid waste) as per Schedule III: Yes/No

Storage facilities

(a) Area or location or plot or societies covered for collection of Construction and Demolition waste

(b) No. of large Projects (including roadways project) covered

(c) Whether Area or location or plot or societies collection is Practiced (if yes, whether done by Competent Authority or Local Authority or through Private Agency or Non-Governmental Organization) :

(d) Storage Bins :

Specifications Existing
Proposed
(Shape & Size) Number for future

(i) Containers or receptacle (Capacity) :

(ii) Others, please specify :

(e) Whether all storage bins/collection spots are attended for daily lifting : Yes No

(e) Whether lifting of Construction & Demolition Waste from Storage bins is manual or mechanical

(please tick mark) please specify mode : Manual Mechanical Others, and equipment used (specify equipment)

3. **Transportation**

Existing Actually

Required/Proposednumber

Truck :

Truck-Hydraulic :

Tractor-Trailer :

Dumper-placers :

Tricycle :

Refuse-collector :

Others (Please specify) :

4. Whether any proposal has been made to improve Construction and Demolition waste management practices

5. Have any efforts been made to involve PPP for processing of Construction & Demolition waste :If yes,what is(are) the technologies being used, such as:

Processing / recycling Steps

takenTechnology (Quantity

to be processed)

Dry Process :

Wet Process :

Others, if any :

Please specify :

6. What provisions are available to check unauthorized operations of:

   Encroachment on river bank or wet bodies :

   Unauthorized filling of low line areas :

   Mixing with solid waste :

   Encroachment in Parks, Footpaths etc. :

7. How many slums are provided with construction and demolition waste receptacles Facilities:

8. Are municipal magistrates appointed for taking penal action for non-compliance with these rules:
   Yes No

   [If yes, how many cases registered & settled during last three years (give year wise details)]

Form – IV

See [Rule (8) (3)]

Format of Annual Report to be submitted by the State Pollution Control Board/Committees to the CentralPollution Control Board

The Chairman,

Central Pollution

ControlBoard,

Parivesh Bhawan,

East Arjun Nagar,

Delhi- 110032

1. Name of the State/Union territory:
2. Name & address of the State Pollution Control Board/Pollution Control Committee:
3. Number of municipal authorities responsible for management of municipal solid wastes in the State/Union territory under these rules:
4. A Summary Statement on progress made by municipal authorities in respect of implementation of **Schedule III]**: Please attach as Annexure-I
5. A Summary Statement on progress made by municipal authorities in respect of implementation of **Schedule IV**
   : Please attach as **Annexure-II**

Date: Chairman or the
Member Secretary State
Pollution ControlBoard/
Place: Pollution Control
Committee

Form – V

See [Rule 14]

1. Date and time of accident:
2. Sequence of events leading toaccident:
3. The type of construction and demolition waste involved in accident:
4. Assessment of the effects of the accidents

a. on traffic, drainage system and the environment:

5. Emergency measures taken :
6. Steps taken to alleviate the effects

a. of accidents :

7. Steps taken to prevent the recurrence

a. of such an accident :

8. Regular monthly health checkup of workers at

a. Processing / recycling site shall be made

9. Any accident during the collection,

a. transportation and treatment including
b. processing and recycling should be informed
c. to the Competent Authority (Local Authority) or
d. Prescribed Authority

Date :

Place: Designation:

Authorized Signatory

WORKERS IDENTITY CARD

NOTE:- 1. This Card is valid only for specified working place/place of duty. 2. The Contractor is fully responsible for any misuse of this card beyond duty hours/days. 3. The Contractor bears responsibility for the character of Cardholder worker.	• Sl. No..... Name of Agency with address :- Telephone No./Mobile Registration No. :- VALID UPTO

Name of Worker :- Present Address:- Permanent Address:- Identification Mark:- Place of Duty	Photo Signature of Worker Signature of Contractor :

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE(Admn.) AE(E)(P)

FORM – V
See Rule 21(2)

FORM OF CERTIFICATE BY PRINCIPAL EMPLOYER

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

Name of Work: - Upgradation of GPRA C-1/17 (Type VI-B), Humayun Road under Service Centre No. 210, 'N' Division, CPWD, New Delhi during 2026-27. (SH: Renovation work in kitchen, toilets and all rooms of the above technically occupied quarters and E&M Works).

Signature of Principal Employer

Registration No._____

Name and Address of Establishment

Place:- New Delhi

Date……..

PART-B
Major Component
(Civil Works)

PERFORMA OF SCHEDULES (A to F) (Civil Works)

SCHEDULE'A'		
Schedule of quantities		As attached
SCHEDULE'D'		
Extra schedule for specific requirements/documents for the work, if any.		Nil
SCHEDULE 'E'		
Reference to General Conditions of contract		General Conditions of Contract for Maintenance Works 2023 for CPWD works as modified & corrected upto previous day of the last date of submission of the tender.
Name of Work:		
Upgradation of GPRA C-1/17 (Type VI-B), Humayun Road under Service Centre No. 210, 'N' Division, CPWD, New Delhi during 2026-27. (SH: Renovation work in kitchen, toilets and all rooms of the above technically occupied quarters and E&M Works).		
Estimated cost of work:		**Total : Rs.1,24,20,383/-** **(Civil. Rs. 1,12,51,085/-** **+ Elect. Rs. 11,69,298/-)**
(i)	Earnest money	**Rs. 2,48,408/-**
(ii)	Performance guarantee	(a) PG:- 5% of tendered value or estimated cost put to tender (ECPT) (whichever is higher). (b) Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.
(iii)	Security Deposit	2.5% of Tendered Value
SCHEDULE'F'		
General Rules & Directions:		
Officer inviting tender-		Executive Engineer N-Division, CPWD, New Delhi
Definitions:		
2(v)	Engineer-in-Charge	Executive Engineer N-Division, CPWD, New Delhi
2(vi)	Accepting Authority	SE, DC-I, CPWD, I.P. Bhawan, New Delhi.
2(x) Percentage on cost of materials and labour to cover all over heads and profits		15%

Standard schedule of Rates	Delhi Schedule of Rates 2023 (correction issued upto last day of online receipt of tender and Market Rate).
2(xi) Department	Central Public Works Department
9(ii) Standard CPWD Contract Form:	Standard CPWD contract Form General Conditions of Contract **Maintenance Works** 2023, CPWD Form 7 as modified & corrected upto previous day of the last date of submission of the tender.
Clause1	
(i)Time allowed or submission of **Performance Guarantee along with requisite documents mentioned else wherein the NIT, Programme Chart (Time and Progress) and applicable Labour Licences, Registration with EPFO and ESIC or proof of applying there of from the date of issue of letter of acceptance, and also ensure the compliance of aforesaid provisions by the sub-agencies, if any, engaged by the Bidder, in days**	03 Days
(ii)**Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (I) above for above documents**	02 Days
Authority for fixing compensation under clause-2	Superintending Engineer, Delhi Circle-1, CPWD New Delhi
Clause2A	Not applicable

Clause5

(i)	Number of days from the date of issue of letter of acceptance for reckoning date of start	**5 (Five)** days

Table of Milestones

Sl. No.	Description of Milestone	Time allowed in days (from date of start)	Amount to be with- held in case of non- achievement of Milestone
1	Gross work1/8thoftotal work	1/4 of the total period	In the event of not achieving the desired progress as assessed from funning payment 1.25% of tendered value of the work shall be withheld for failure for each mile stone**.**
2.	Grosswork3/8thoftotal work	1/2 of the total period	
3	Gross work3/4thoftotal work	3/4 of the total period	
4	Completion of work i/c testing etc. complete.	Full period	

Time allowed for execution of work: **02 Months .**

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

Proforma of Schedule Clause 5 Schedule of handing over of site.

Part	Portion of site	Description	Time Period for handing over reckoned from date of issue of letter of intent.
Part A	Portion without any hindrance	Site is to be made available in phased manner as per approved programme chart by the Engineer-in-charge & as per vacancy status.	
Part B	Portions with encumbrances		
Part C	Portion dependent on work of other agencies		

Clause 6: Electronic Measurement Book (EMB) through CPWD ERP Portal

Clause 6: Mode of measurement	**(a)** Mode of measurement - EMB **(b)** Measurement to be recorded by jointly by department and contractor. **(DG/Con/Maintenance 2023/19 dt.25/03/2026)**

Clause7 Gross work to be done together with net payment/adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment(For Civil components)	Rs. 55 Lakh
Clause7A **Whether Clause 7A shall be applicable**	Yes No running account shall be paid for the work till the applicable labour license, registration with EPFO, ESIC and BOCW Welfare Board Whatever applicable are submitted by the contractor to the Engineer-in-charge.

Clause10A List of testing equipment to be provided by the Contractor at site lab:	As per the requirement of item of work and direction of Engineer-in-charge
Clause10B (ii) Whether Clause 10B(ii) shall be applicable	Not applicable
Clause10C Component of Labour expressed as percent of total value of work	Not Applicable

Clause 10CC Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period of 12 months **Applicable/Not Applicable** Schedule of Component of material, Labour etc. For price escalation. Component of Civil.	Not Applicable Not Applicable
Component of labour:-	Not applicable
POL	
Clause 10 D	Applicable
Clause 11 Specifications to be followed for execution of work	CPWD Specification 2019, Volume-I & Volume-II with correction slips issued upto last day of online receipt of bids &Manufacturer's Specifications**.**
Clause 12 Type of Work	Maintenance Work **The completion cost shall, in no case exceed 1.5 times of Tendered amount**
12.3 Deviation, Deviated Quantities, Pricing	All deviated quantities shall be paid at agreement rate.
Deviation beyond quantity taken in schedule of quantity	All deviated quantities shall be paid at agreement rate.
Clause 16 Competent Authority for deciding reduced Rates	SE, Delhi Circle-1, CPWD New Delhi upto 5% value of agreement quantity beyond that with the approval of ADG (Delhi).
Clause18 List of mandatory machinery, tools & plants to Be deployed by the contractor at site:	As per actually required at site and shall be arranged by the contractor as per the direction of Engineer-in-charge.

Clause 19	
Clause 19C Clause 19D Clause 19G Clause 19K	Engineer-in-charge (authority to decide penalty for each default)

Clause25	
Conciliator-	Additional Director General (Delhi)
Arbitrator Appointing Authority	Superintending Engineer, DC-1, CPWD, New Delhi
Place of Arbitration	New Delhi

Clause 32

Requirement of Technical Representative(s) and recovery Rate

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

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

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

Clause 38			
(a)	Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2023 printed by CPWD with up-to-date correction slips.		
	Variations permissible on theoretical quantities:		
a)	Cement for works with estimated cost put to tender not more than Rs. 25 lakh.	:	3% plus/minus
	For works with estimated cost put to bid more thanRs.25 lakh		2% plus/minus
b)	Bitumen for all works.	:	2.5% plus only & nil on minus side
c)	Steel Reinforcement and structural steel sections for each diameter, section and category.	:	2% plus/minus
d)	All other materials.	:	N.A.

Integrity Pact

S. No.	Integrity Pact	Remarks
1	Integrity Pact is to be made part of NIT/Agreement onlyfor works with estimated cost put to tender of Rs. 300 crores and above.	Circular on DG/CON/Misc./24 dated05.09.2022

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

GENERAL CONDITIONS AND SALIENT POINTS

1. The contractor shall make his own arrangements for electricity required for the execution of the work and nothing extra shall be paid for the same. However, for electrical connection, Engineer-In-Charge shall recommend the application to concerned local authorities. He shall also make his own arrangement for obtaining telephone connections for his own use. Necessary fees and i/c consumption charges shall be paid by the contractor directly to the department concerned. In case the authorities fail to sanction the electric connection or delay the sanction of electric connection, the contractor shall make his own arrangements by providing diesel generators of adequate capacity at his own cost.

2. In general water shall be provided by the department and 1% deduction shall be made from the bills of contractor. However, if the water could not be supplied by the department, the agency has to arrange the water at his own cost and nothing extra shall be paid by the Department for arrangement of water or on its treatment to meet the requirements, in this case 1% deduction shall not be made from contractor's bill.

3. All the materials will be arranged by the contractor himself. If any material is issued by the department the contractor shall bear all incidental charges for cartage, storage and safe custody of such material.

4. All material shall only be brought at site as per programme finalized with the Engineer-in-Charge. Any pre-delivery of the material, not required for immediate consumption shall not be accepted and thus not paid for.

5. Except for the items, for which particular specifications are given or where it is specifically mentioned otherwise in the description of the items in the schedule of quantities, the work shall generally be carried out in accordance with the "CPWD Specifications 2019 Vol. I & II with up-to-date correction slips (up to date of receipt of tender) and instructions of Engineer-In-Charge. Wherever CPWD Specifications are silent, the latest IS Codes / Specifications shall be followed.

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

7. The rates for all items of work shall, unless clearly specified otherwise, include cost of all labour, material, tools and plants and other inputs involved in the execution of the item for all lead and lifts and heights/ locations.

8. The contractor(s) shall quote all-inclusive rates against the items in the schedule of quantities and nothing extra shall be payable for any of the conditions and specifications mentioned in the tender documents unless specifically specified otherwise.

9. Unless otherwise specified in the schedule of quantities the rates for all items shall be considered as inclusive of pumping / bailing out water, if necessary for which no extra payment shall be made.

10. The rate for all items, in which the use of cement is involved is inclusive of charges for curing.

11. The work shall be executed and measured as per metric dimensions given in the schedule of quantities, drawings etc. (FPS units wherever indicated are for guidelines only).

12. Any legal or financial implications resulting out of disposal of earth shall be the sole responsibility ofthe contractor. Nothing extra shall be paid on this account.

13. All the hidden items such as water supply lines, drainage pipes, conduits, sewers etc. are to be properly tested as per the design conditions before covering.

14. The contractor shall indemnify the Govt. against any claims or obligations arising out of any damage to adjacent property, structure or to building work done by him.

15. **Licenses**:-

(i) The contractor shall pay to the municipal, police or other authorities all the fees etc. that may be required by law, obtain requisite licenses for temporary constructions, enclosures and pay all fees taxesand charges which shall be leviable on account of his obligations in executions of the contract. No extra claim will be entertained on this account.

(ii) All licensing fees, royalty charges for property rights etc. shall be paid by the contractor direct to the authorities concerned. No extra claim will be entertained on this account.

16. In case services are encountered during excavation / earthwork, and such services are required to be shifted, the contractor is bound to carry out the shifting operation as per guidance / instructions and with the approval of the Engineer-In-Charge. However, necessary payments shall be made in this regard as per provision of the agreement.

17. The building, water supply, internal sanitary installations and drainage work etc. shall be carried out inthe manner complying in all respects with the requirements of relevant byelaws of the local body underthe jurisdiction of which the work is to be executed or as directed by the Engineer in charge and nothingextra shall be paid on this account.

18. Existing drains, cables, pipes, overhead wires, sewer lines, water lines and similar services encounteredin the course of execution of work shall be protected against the damages by the contractor at his ownexpense. The contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services.

19. Contractor shall take all precautionary measures to avoid any damage to adjoining property/ building. All necessary arrangements shall be made in his own cost by the Contractor.

20. The contractor shall be responsible for the watch and ward / guard of the buildings, safety of all fittings and fixtures including sanitary and water supply fittings and fixtures provided by him against pilferage and breakage during the period of installations and thereafter till the building is physically handed over to the department. No extra payment shall be made on this account.

21. The order of preference in case of any discrepancy as indicated under "Conditions of Contract" given in the General Conditions of contract for Central P.W.D. works 2023 (Maintenance Works) Form maybe read as the following:

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

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

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

23. No foreign exchange shall be made available by the department for the purchase of equipment, plants, machinery, material of any kind or other items required to be carried out in execution of work.

24. If the work is carried out in more than one shift or during night, no claim on this account shall be entertained.

25. The contractor shall be bound to follow the instruction and restrictions imposed by the Administration/Police authorities on the working and/or movement of labour, materials etc. and nothing extra shall be payable on this account or due to less/restricted working hours or suspension of work or any detours in movement of vehicles due to stated instructions and restrictions.

26. The contractor shall also be required to follow the rules & restrictions imposed on working/movement/stacking of materials by the local competent authority at all times. Nothing extra shall be payable on this account.

27. Any damage caused by the contractor to the existing building/installations/ roads/boundary walls shall be made good by him (the contractor) at his own cost.

28. Site is located in sensitive and high security & VVIP area, where movement and routes are restricted. The contractor shall have to apply for passes well in advance for carrying out the work. No claim whatsoever shall be entertained for any loss on this account. Some restrictions may be imposed by the security staff/ Delhi police on the working and for movement of labour, materials etc.

(i) The movement of trucks and vehicles shall be regulated in accordance with rules and regulationsas approved by competent authority.

(ii) The contractor shall be bound to follow all such restrictions / instructions and nothing extra shallbe payable on this account.

(iii) No claim whatsoever will be entertained by the department on account of any, restrictions (including temporary suspension of work) imposed by the security agencies in execution of work.

(iv) In respect of maintenance/repair or renovation works etc. where the labour have an easy access to the individual houses, the contractor shall issue identity cards to the labourers, whether temporary or permanent and he shall be responsible for any untoward action on the part of such labour. AE/JE will display a list of contractors working in the colony/Blocks on the notice board in the colony and also at the service center, to apprise the residents about the same.

29. Before start of work, the contractor keeping in view the space available is limited, shall furnish a construction yard layout, specifying area for construction, positioning of machinery, material yard, cement and other storage, steel fabrication yard, site laboratory, water tank, conveyers belt, etc. and seek formal approval of the Engineer-in-charge. No space will be available at site of work for the fabrication of steel / aluminum work grating, railing, etc. The contractor should make his own arrangement for the same in his workshop. Nothing shall be paid for the carriage of such manufactureditems from workshop to site of work. The contractor shall not stack building material / malba on NDMC land or road or on the land owned by any other authority and he shall face penal action as per the rules,regulation and bye-laws of the said body or authority. The Engineer-in-charge shall be at liberty to recover the amount due but not paid to the concerned authorities on account of the above from any amount due to the contractor including amount of the security deposit or retention money in respect ofthis contractor or any other contract.

30. No labour huts shall be kept at the site of work. Tenderers shall quote their rates accordingly nothing extra shall be paid on this account: -

(a) The contractor shall provide CGI sheet barricading as required according to the rules of NDMC or any other relevant authority for the work. The same shall be maintained by the contractor till the work is completed. After completion of work, the same shall be removed and deposited with the department as per the direction of Engineer-in-charge nothing extra shall be paid on this account.

(b) The contractor shall take all necessary measures for the safety of traffic during construction and provide, erect and maintain such barricades, including signs, marking, flags lights and flagman as necessary, at either end of the excavation / embankment and at such intermediate points, as directedby the Engineer-in-charge for the proper identification of construction area. He shall be responsible for all damages and accidents caused due to negligence on his part. Nothing extra shall be paid onthis account.

31. If the work will be executed beyond the normal working hours/ due to restraint conditions/ execution in odd hours/ execution in night, nothing extra shall be paid on this account

32. **Integrated Programme chart:-**

The contractor shall prepare an integrated programme chart for the execution of work, showing clearly all activities from the start of work to completion, with details of manpower, equipment and machinery required for the fulfillment of the programme within the stipulated period or earlier and submit the same for approval to the engineer in charge **within 7 days of the awards of the date of start.**

The programme chart should include the following:

a) Descriptive note explaining sequence of various activities.

b) Network (PERT/CPM/Bar Chart)

c) Programme of procurement of materials by the contractor.

d) Programme of procurement of machinery/ equipments having adequate capacity, commensurate with the quantum of work to be done within the stipulated period, by the contractor.

e) Time schedule of the requirement of materials to be supplied by the department.

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

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

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

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

33. PERFORMANCE GUARANTEE:

The contractor shall submit an irrevocable Performance guarantee of **(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** in addition to other deposits mentioned elsewhere in the contract for his proper performance of the contract agreement, (notwithstanding and/ or without prejudice to any other provisions in the contract) within period specified in schedule `F' from the date of issue of letter of acceptance. This period can be further extended by the Engineer-in- Charge upto a maximum period of as specified in schedule `F' on written request of the contractor stating the reason for delays in procuring the Bank Guarantee to the satisfaction of the Engineer-in-Charge. **This guarantee shall be in the form as prescribed in GCC and upto date amendments.**

This guarantee shall be in the form cash (in case guarantee amount is less than **Rs. 10,000/-)** or in the form of deposit at call receipt of any scheduled bank / banker's cheque of any scheduled bank / demand draft of any scheduled bank/pay order of any scheduled bank(in case guarantee amount is less than Rs. 1,00,000/-) or in the form of Government securities or fixed deposit receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the form annexed hereto. In case a fixed deposit receipt of any Bank is furnished by the contractor to the Government as part of the performance guarantee and the Bank is unable to make payment against the said fixed deposit receipt, the loss caused there by shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to the Government to make good the deficit.

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

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

- Failure by the contractor to extend the validity of the Performance Guarantee as described herein above, in which event the Engineer-in-Charge may claim the full amount of the Performance Guarantee.
- Failure by the contractor to pay President of India any amount due, either as agreed by the contractor or determined under any of the clauses/ conditions of the agreement, within 002 Months of the service of notice to this effect by Engineer-in-Charge.
- In the event of the contract being determined or rescinded under provision of any of the clause/ condition of the agreement, the performance guarantee shall stand forfeited in full and shall be absolutely at the disposal of the President of India.

34. Minimum Quality Assurance Plan

Maintenance of Register of Tests

(i) All the registers of tests carried out at Construction Site or in outside laboratories shall be maintained by the contractor which shall be issued to the contractor by Engineer-in-charge in thesame manner as being issued to CPWD field staff.

(ii) All Samples of materials including Cement Concrete Cubes shall be taken jointly with contractorby JE and out of this at least 50% samples shall be taken in presence of AE in charge. If there isno JE, all Samples of materials including Cement Concrete Cubes shall be taken by AE jointly with Contractor. All the necessary assistance shall be provided by the contractor. Cost of sample materials is to be borne by the contractor and he shall be responsible for safe custody of samplesto be tested at site.

(iii) All the test in field lab setup at Construction Site shall be carried out by the Engineering Staff deployed by the contractor which shall be 100% witnessed by JE and 50% of tests shall be witnessed by AE-in-change. At least 10% of the tests are to be witnessed by the Executive Engineer.

(iv) All the entries in the registers will be made by the designated Engineer Staff of the contractor and same should be regularly reviewed by JE/AE/EE. The registers shall be produced before senior officers inspecting the work.

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

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

Maintenance of Material at Site (MAS) Register-

- All the MAS Registers including Cement and Steel Registers shall be maintained byContractor which shall be issued to the contractor by Engineer-in-charge.
- Each of the entry of receipt of material at site shall be 100% test checked by JE or by AE if there is no JE.

35. Each of the entry shall be checked by JE at least twice a week and at least once a week by AE. If there is no JE then MAS registers will be checked by AE at least twice a week.

36. Cement Register shall be reviewed by AE at least once in a month.

SPECIAL CONDITIONS

1. All malba / rubbish /silt / waste / garbage / etc. generated due to any operation from houses and other open spaces whatsoever shall be collected on daily basis by the Contractor / Agency to the specified common disposal point and nothing extra shall be paid on this account. After the accumulation of full truck load of the said malba (approximate 4.5 cubic meter), the same shall be disposed of by the Contractor / Agency to the authorized municipal dhalao / dumping ground and contractor will submit the slip of dumping ground. In case of non-removal / disposal in the specified period, a sum of Rs. 2000/- (Two Thousand) per day shall be recovered from the Contractor / Agency.
2. Unless otherwise specified in the schedule of quantities, the rates tendered by the contractor shall be inclusive of scaffolding and shall apply to all lifts & all heights, floors including terrace, leads and depthsand nothing extra shall be payable on this account.
3. In Case of extension of agreement due to delay/reduction in scope of work; no claim on account of reduction in value of work, loss of business, loss of profit, consequently overheads, any type of interest etc. shall be entertained.
4. 1% (One percent) water charges shall be recovered from the gross amount of the work done, if same issupplied by the department.
5. All materials obtained from Govt. stores or otherwise shall be got checked by the Engineer-in-charge or his authorized representative of the work on receipt of the same at site of work before use.
6. The Contractor has to make his own arrangement for all T & P like ladders, gohree, sutli, empty containers, brushes, and paper, kuchies etc. required for work and nothing extra shall be paid for the same.
7. The contractor shall have to get approved the brands/shades of Acrylic Distemper, Synthetic Enamel Paint, Plastic Emulsion Paint etc. from the Engineer-in-charge before execution of same.
8. Materials shall be brought to the site of work in original containers with the Manufacturers seal intact.
9. The materials required for day's work shall be issued to the contractor or his authorized representative daily by the Junior Engineer-in-charge of the work. Any balance of the material left at end of the days of work and the empty containers shall be returned to the Junior Engineer. The day-to-day issue account of the materials shall be maintained by the Junior Engineer-in-Charge and shall be signed daily by the contractor or his authorized agent in token of receipt of the materials failing which no payment of bill shall be made to the contractor. The empty containers shall not be removed from the site of work without written orders of the Engineer-in-charge.
10. Before the commencement of work, the contractor shall prepare one sample as instructed by the Engineer- in-charge for approval of the Engineer-in-charge. After the sample is approved by the Engineer-in- Charge, the contractor shall be allowed to commence the work and the quality of work shall confirm tothe approved sample.

11. Before the commencement of work, the contractor shall draw up a programme in consultation with the Engineer- in-charge for the execution of work so as to inform the occupants of the office flat/quarter at least on week in advance regarding the execution of the work.

12. Defective work/sub-standard work or work not done according to the specifications of the contract shall be liable for summary rejection & shall not be measured and paid for. This shall be without prejudice to taking any other action against the contractor in accordance with the terms & conditions ofcontract.

13. The contractor shall depute his representative daily to the site of work. The name and signature of his representative attested by the contractor shall be intimated to the Engineer-in-charge.

14. The entire work shall be carried out in close co-operation and Co-ordination with all other agencies working in the building. The Contractor (s) shall not be entitled to any compensation on account of temporary stoppage of work due to other construction.

15. No payment will be made to the contractor for damage caused by rains during the execution of the works and no claim on this account will be entertained.

16. It will be the responsibility of the contractor for damage caused by rains during the execution of the works and no claim on this account will be entertained.

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

18. The contractor should write their correct postal address on the application for tender papers. In case it is found that the address given in their application is not correct and as a consequence of the same if any registered letter sent through postal authorities is received back by the department undelivered to the contractor, the contractor shall be fully responsible for all the consequence and by such letter sent through registered post shall be deemed to have been delivered to him.

19. Full quantity of material or quantity approved by Engineer-in- Charge. Such as paint plastic emulsion paint, acrylic distemper etc. shall be deposited in sealed contained in advance and get it checked by Engineer-in-Charge before use.

20. No labour huts shall be allowed inside the campus of above said work. The Contractor shall arrange forthe stay of labours outside the campus including transport and nothing extra shall be payable on this account.

21. Any damage to the building, furniture, fittings of any other articles etc. done by the contractor or his workmen during the execution of work, shall be made good by the contractor, failing which the same shall be made good by the Engineer-in-charge or his authorized representative at the risk and cost of the contractor.

22. All doors, windows, floors, furniture, electrical fittings and other articles shall be protected from dust, splashes & damaged sufficient covering for the day's work shall be shown to the representative of the Engineer-in-charge before the contractor is allowed to proceed with the work. Splashes & droppings from white washing, colour washing, distempering painting etc. on walls, floors, doors and window, downtake pipes, furniture shall be removed by the contractor at his own cost and the surface cleaned simultaneously after the completion of the day's work is done, without waiting for the actual completionof the other items of work of the contract. In case the contractor fails to comply with this requirement, the Engineer-in-charge or his authorized representative shall be the right to get this work done at the risk and cost of the contractor either departmentally or through another agency without issue of any notice to the contractor, on his account. The representative of the Engineer-in-charge will however, mention about it in the site order Book before employing the labour on the job at the contractor's cost.

Agency should read the following Special Conditions while quoting their rates :-

1. Work will be executed in High security Zone. There may be some delays due to VIP movement, security checks etc. in movement/work of labour, transportation of material etc. Nothing extra shall be paid on this A/C.

2. **Since mostly flats are occupied by an Allottees, Work will be executed mostly in working hours of the day. In addition to that, agency shall have to work round the clock on Saturday, Sunday & Holidays, if needed. Nothing extra shall be paid to the agency in such situations. The agency has to submit programme chart accordingly for prior approval by the Engineer-in-charge.**

3. Site shall be made available to the agency as a whole or part as per the requirement of the client. Agency will not have any claim on CPWD to handover the site at once.

4. During the working hours, work should be done without creating any loud noise if allowed. No work should be done during working hours which may create noise, makes disturbances in the functioning of office.

5. There is restricted entry inside the building. So the contractor has to apply for passes of himself, labourers & his staffs well in advance with identity proof of each person, to enter in **the premises** through AE/JE in charge to work. **No passes will be issued without identity proof.** In addition, the agency shall be responsible of any misconduct, mischief, theft etc. by their staff.

6. Agency will not be allowed to make any huts for labourers/staff inside the office Complex.

7. There is a shortage of space for stacking of material inside office Complex. The contractor has to manage the work within the space made available to him inside **the premises** during execution of specified work.

8. Contractor shall give mobile no. of agency, site Engineer and staff to the CPWD officials for quick communication/directions for the work. Nothing extra shall be paid on this account.

9. Any damage to the building/Govt. property by the any of labour/staff of contractor shall be made good by the contractor. Contractor will be fully responsible for any mishap, accident etc. Contractor will ensure all safety measures as per govt. norms and nothing extra shall be paid on this account.

10. Malba obtained from execution of work shall be removed immediately and shall not remain in the office premises more than 24 hours. Further, the malba generated from the corridor area/execution site shall be removed before starting of subsequent office hours. **Upon failure, the same will be immediately removed from campus at agency's risk & cost without any notice**.

11. The work may be assigned within 4 to 5 hours notice and the contractor have to arrange material & labour for attending the complaints/work & will complete the work promptly as per the convenience of client.

12. **Before quoting the rates of tender, bidders are advised to visit the site and take into account all the factors as elaborated above.**

PARTICULAR SPECIFICATIONS & CONDITIONS FOR CIVIL WORKS

1. General.

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

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

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

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

The work 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/shop drawings issued for the work and satisfy himself that the information available there from 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 occurring by the commencement of work on the basis of any erroneous and or incomplete information.

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

Sampling and testing

All materials and fittings brought by the contractor to the site for use shall conform to the samples approved by the Engineer-in-charge, which shall be preserved till the completion

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

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

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

BIS marked items (except cement & steel) required on the work shall be got tested. Only important tests, which govern the quality of the product, shall be carried out. The frequency of such tests shall be25% of the frequency specified in the CPWD Specifications 2019 vol I & II with upto date correction slips.

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

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

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

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

(i) Rejected materials will have to be removed by the contractor at his own cost immediately of the instructions of doing so.

(ii) In case of any dispute regarding rejection of quality of materials, the decision of the Engineer- in-Charge will be final and binding upon the contractor.

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

- Particle size and shape.
- Ten percent fine value
- Aggregate impact test
- Surface moisture test
- Slump test
- Flakiness and elongation index tests.
- Compressive strength (concrete or bricks) test
- Rebound hammer test
- Bulking of sand
- Silt content of sand
- Thermometer with brass protected end (0-1000 C)

The cost of samples including packing, sealing, transportation and other incidental charges shall be borne by the contractor. In case the tests are conducted at approved laboratory other than the site laboratory, the cost of test shall be borne by the contractor.

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

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

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

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

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

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

2. CONDITIONS FOR CEMENT:

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

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

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

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

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

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

In the event of it being discovered that after the completion of the work the quantity of cement usedis less than the quantity ascertained after allowing variation on the minus side as per clause 38, the cost of quantity of cement not so used shall be recovered from the

contractor, at the rate of **Rs. 5500/-** (Rupees Five thousand Five hundred only) per metric tone. This recovery will be in additionto any other recovery otherwise required to be done by the Engineer-in-Charge.

3. STEEL REINFORCEMENT BARS:

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

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

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

For checking nominal mass, tensile strength, bend test, re-bend test etc. specimen of sufficientlength shall be cut from each size of the bar section at random at frequency not less than that specified below :-

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

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

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

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

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

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

Special condition to comply directive of Hon'ble National Green Tribunal & EIA Guidance Manual

1. The contractor shall not store/dump construction material or debris on metalled road.
2. The contractor shall get prior approval from Engineer-in-charge for the area where the construction material or debris can be stored beyond the metalled road. This area shall not cause any obstruction to the free flow of traffic/inconvenience to the pedestrians. It should be ensured by the contractor that no accidents occur on account of such permissible storage.
3. The contractor shall take appropriate protection measures like raising wind breakers of appropriate height on all sides of the plot/area using CGI sheets or plastic and/or other similar material to ensure that no construction material dust fly outside the plot area.
4. The contractor shall ensure that all the trucks or vehicles of any kind which are used for construction purposes/or are carrying construction material like cement, sand and other allied material are fully covered. The contractor shall take every necessary precautions that the vehicles are properly cleaned and dust free to ensure that enroute their destination, the dust, sand or any other particles are not released in air/contaminate air.
5. The contractor shall provide mask to every worker working on the construction site and involved loading, unloading and carriage of construction material and construction debris to prevent inhalation of dust particles.
6. The contractor shall provide all medical help, investigation and treatment to the workers involved in the construction building and carry of construction material and debris relatable to dust emission.
7. That contractor shall ensure the C&D waste is transported to the C & D Waste site only and due record shall be maintained by the contractor.
8. The contractor shall compulsory use of wet jet in grinding and stone cutting.
9. The contractor shall comply all the preventive and protective environmental steps as stated in the MoEF guidelines, 2020.
10. The contractor shall carry out on-Road-inspection for black smoke generating machinery. The contractor use cleaner fuel.
11. The contractor shall ensure that all DG sets comply norms notified by MoEF.
12. The contractor shall use vehicles having pollution under control certificate. The emissions can be reduced by a large extent by reducing the speed of a vehicle to 20 kmph. Speed bumps shall be used to ensure speed reduction. In cases where speed reduction cannot effectively reduce fugitive dust, the contractor shall divert traffic to nearby paved areas.
13. The contractor shall ensure that the construction material is covered by tarpaulin. The contractor take all other precaution to ensure that no dust particles are permitted to pollute air quality as a result of such storage.

Field Testing Instruments

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

a. 7 kg. to 10 kg. capacity, semi self indicating type –accuracy 10gm.

b. 500 gm. Capacity, semi-self indicating type – accuracy 1 gm.

c. Pan balance – 5 Kg. capacity – accuracy 10 gms.

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

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

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

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

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

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

~~18. Dial gauges (if required) , 25mm travel – 0.01 mm/division least count – 2nis.~~

~~19. Graduate measuring cylinders 200ml capacity – 3 nos.~~

~~20. Enamel trays (for effloresecence test for bricks).~~

~~a. 300mm x 250mm x 40mm – 2 nos.~~

~~b. Circular plates of 250mm dia – 4 nos.~~

LIST OF PREFERRED MAKE OF MATERIALS (FOR CIVIL WORKS)

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

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

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE(Admn.) AE(E)(P)

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

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

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

For Items/Materials not covered in the list above, the 1st quality material is to be used as per the Nomenclature of items or 1st quality material of the reputed Make/Brand required to be used for execution of either agreement items or any Extra/Substituted item as per approval and direction of Engineer-in-Charge.

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

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PART-C
Minor Component
(E&M Works)

PERFORMA OF SCHEDULES (A to F) (E&M Works)

SCHEDULE'A'		
Schedule of quantities		As attached
SCHEDULE'D'		
Extra schedule for specific requirements/documents for the work, if any.		Nil
SCHEDULE 'E'		
Reference to General Conditions of contract		General Conditions of Contract for Maintenance Works 2023 for CPWD works as modified & corrected upto previous day of the last date of submission of the tender.
Name of Work:		
Upgradation of GPRA C-1/17 (Type VI-B), Humayun Road under Service Centre No. 210, 'N' Division, CPWD, New Delhi during 2026-27. (SH: Renovation work in kitchen, toilets and all rooms of the above technically occupied quarters and E&M Works).		
Estimated cost of work:		**Total : Rs.1,24,20,383/-** **(Civil Rs. 1,12,51,085/- +** **Elect. Rs. 11,69,298/-)**
(i)	Earnest money	As per Major Component
(ii)	Performance guarantee	(a) PG :- 5% of Tendered Value or estimated cost put to tender (ECPT) (whichever is higher). (b) Where the tendered amount is less than eighty percent (80%) of the Estimated cost put to tender (ECPT), the performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.
(iii)	Security Deposit	As per Major Component
SCHEDULE'F'		
General Rules & Directions:		
Officer inviting tender-		Executive Engineer N-Division, CPWD, New Delhi
Definitions:		
2(v)	Engineer-in-Charge	Executive Engineer (E) DED-11, CPWD, New Delhi
2(vi)	Accepting Authority	SE, DC-I, CPWD, I.P. Bhawan, New Delhi.
2(x) Percentage on cost of materials and labour to cover all over heads and profits		15%
Standard schedule of Rates		Delhi Schedule of Rates E&M 2025 Vol-II (correction issued upto last day of online receipt of tender and Market Rate).
2(xi) Department		Central Public Works Department

9(ii) Standard CPWD Contract Form:	Standard CPWD contract Form General Conditions of Contract **Maintenance Works** 2023, CPWD Form 7 as modified & corrected upto previous day of the last date of submission of the tender.
Clause1	
(i)Time allowed or submission of **Performance Guarantee along with requisite documents mentioned else wherein the NIT, Programme Chart (Time and Progress) and applicable Labour Licences, Registration with EPFO and ESIC or proof of applying thereof from the date of issue of letter of acceptance, and also ensure the compliance of aforesaid provisions by the sub-agencies, if any, engaged by the Bidder, in days**	As per Major Component
(ii)**Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (I) above for above documents**	As per Major Component
Authority for fixing compensation under clause-2	Superintending Engineer, Delhi Circle-1, CPWD New Delhi
Clause2A	Not applicable

Clause5

(i)	Number of days from the date of issue of letter of acceptance for reckoning date of start	As per Major Component

Table of Milestones

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

Time allowed for execution of work: **As per Major Component**

	Authority to decide	
(i)	Authority to convey the decision of shifting of milestone and extension of time	As per Major Component
(ii)	Authority to decide for Rescheduling of milestones and extension of time	As per Major Component
(iii)	Shifting of date of start in case of delay in handing over of site.	As per Major Component

Proforma of Schedule Clause 5 Schedule of handing over of site.

Part	Portion of site	Description	Time Period for handing over reckoned from date of issue of letter of intent.
Part A	Portion without any hindrance	As per Major Component	
Part B	Portions with encumbrances		
Part C	Portion dependent on work of other agencies		

Clause 6: Electronic Measurement Book (EMB) through CPWD ERP Portal

Clause 6: Mode of measurement	**(c)** Mode of measurement - EMB **(d)** Measurement to be recorded by jointly by department and contractor. **(DG/Con/Maintenance 2023/19 dt.25/03/2026)**

Clause7 Gross work to be done together with net payment/adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment (For E&M work only)	Rs. 6 Lakh
Clause7A **Whether Clause 7A shall be applicable**	Yes No running account shall be paid for the work till the applicable labour license, registration with EPFO, ESIC and BOCW Welfare Board Whatever applicable are submitted by the contractor to the Engineer-in-charge.

Clause10A List of testing equipment to be provided by the Contractor at site lab:	As per the requirement of item of work and direction of Engineer-in-charge
Clause10B (ii) Whether Clause 10B(ii) shall be applicable	Not applicable
Clause10C Component of Labour expressed as percent of total value of work	Not applicable
Clause 10CC Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period of 12 months **Applicable/Not Applicable** Schedule of Component of material, Labour etc. For price escalation. Component of E&M	Not Applicable
Component of labour: -	Not applicable
POL	
Clause 10 D	Applicable
Clause 11 Specifications to be followed for execution of work	CPWD General Specifications for Electrical Works Part I Internal – 2023, CPWD General Specifications for Electrical Works Part II External – 2023, with correction slip upto last day of online receipt of bids &manufacture's

	specification of Engineer-in-Charge. The additional specifications are to be read with above and in case of any variations; specifications given along with the tender shall apply.
Clause 12 Type of Work	Maintenance Work **The completion cost shall, in no case exceed 1.5 times of Tendered amount**
12.3 Deviation, Deviated Quantities, Pricing	All deviated quantities shall be paid at agreement rate.
Deviation beyond quantity taken in schedule of quantity	All deviated quantities shall be paid at agreement rate.
Clause 16 Competent Authority for deciding reduced Rates	SE, Delhi Circle-1, CPWD New Delhi upto 5% value of agreement quantity beyond that with the approval of ADG (Delhi).
Clause18 List of mandatory machinery, tools & plants to Be deployed by the contractor at site:	As per actually required at site and shall be arranged by the contractor as per the direction of Engineer-in-charge.

Clause 19	
Clause 19C Clause 19D Clause 19G Clause 19K	Engineer-in-charge (authority to decide penalty for each default)

Clause25	
Conciliator-	As per Major Component
Arbitrator Appointing Authority	
Place of Arbitration	

Clause 32

Requirement of Technical Representative(s) and recovery Rate

Sl. No.	**Minimum Qualification of Technical Representative**	**Nos. of Major + Minor component**	**Designation (Principal Technical / Technical Representative)**	**Minimum Experience (Years)**	**Rate at which recovery shall be made from the contractor in the event of not fulfilling**
					Figures (in Rs.)
As per Major Component					

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE(Admn.) AE(E)(P)

Assistant Engineers retired from Govt. 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 per with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.

Clause 38			
(a)	Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2023 printed by CPWD with up to date correction slips.		
	Variations permissible on theoretical quantities:		
a)	Cement for works with estimated cost put to tender not more than Rs. 25 lakhs.	:	N.A.
	For works with estimated cost put to bid more thanRs.25 lakh		N.A.
b)	Bitumen for all works.	:	N.A.
c)	Steel Reinforcement and structural steel sections for each diameter, section and category.	:	N.A.
d)	All other materials.	:	N.A.

Integrity Pact

S. No.	**Integrity Pact**	**Remarks**
1	Integrity Pact is to be made part of NIT/Agreement onlyfor works with estimated cost put to tender of Rs. 300 crores and above.	Circular on DG/CON/Misc./24 dated05.09.2022

Executive Engineer (E)
DED-11, CPWD,
I.P. Bhawan, New Delhi.

ANNEXURE'A'

SPECIAL CONDITIONS FOR ASSOCIATION OF AGENCY FOR E&M WORKS

1. The main contractor shall have to associate an agency for execution of major component (Electrical works), who fulfills the eligibility criteria as mentioned below.

(a) Approved and eligible contractor of CPWD in appropriate class, considering tendered amount of major component (electrical works) and having valid electrical contractor license.

2. The intending bidder shall upload Valid Electrical Contractor License or undertaking that "I/We shall either obtain valid electrical license at the time of execution of electrical work or associate an approved and eligible contractor of CPWD in appropriate class having valid electrical contractor license".

3. However, the main contractor shall also be eligible to carry out himself for execution of minor component (civil work) without associating any other agency provided.

(i) The main agency fulfills the prescribed eligibility criteria for the execution of minor component (civil works) as mentioned above Sr. No 1(a).

4. The main contractor shall have to submit following documents of proposed associated agencies as mentioned in above 1. a) along with the performance guarantee after the acceptance of tender.

   (i) Self attested copy of valid electrical contractor license.
   (ii) Self attested copy of GST registration.
   (iii) Self attested copy of applicable licenses/registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board, for approval of the department as per eligibility requirement mentioned in above along with the performance guarantee after the acceptance of tender.

5. Original Consent letter of such selected associate agency for association shall also be enclosed in the prescribed format as per FORM-X at Annexure "B" along with documents mentioned at above Sl. No. 4.

6. If the main contractor fails to submit all the documents of the proposed associated agency, along with the performance guarantee after the acceptance of tender otherwise department may reject tender of the contractor & may forfeit the deposited EMD absolutely & debar the contractor from re-tendering for this work.

7. After approval of associated agency by Engineer-in-charge, the main contractor will submit MOU signed with the associated agency as per FORM-Y at Annexure 'C' in shape of affidavit on stamp paper duly attested by notary in original within 7 (Seven) Days after issue of approval letter (for associate agency & lift manufacturing company). The MOU shall be signed by both the parties i.e. main contractor as 1st party and associated Agency as 2nd party, independently for minor component i.e. electrical work(s).
8. All technical discussions during currency of the contract, shall be attended by Electrical work(s) shall be signed and submitted by the associate agency along with the main contractor.

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE(Admn.) AE(E)(P)

9. The associated agency and the main contractor shall attend the site during inspection of the work by the Engineer-in-Charge or higher authority.

10. The main contractor shall be entirely responsible and answerable for all the works done by his associated agency regarding their quality, adherence to the laid down specification, terms and conditions, warranty/guarantee etc. as per the agreement and he shall be liable to bear any compensation that may be levied by the department under any of the clauses of the agreement.

11. In the case of electrical works, the main contractor on written directions of the Engineer-in-charge, shall remove the Associated Agency deployed on the work and shall submit name of new associated Agency as per eligibility criteria mentioned in the NIT to execute the leftover electrical work without any loss of time after completion of all formalities mentioned as above in Sl. No. 4, 5 & 7. Also, if main contractor wants to change the associated agency during the currency of the contract, he shall submit name of new associated Agency as per eligibility criteria mentioned in the NIT to execute the leftover Civil/ Electrical work after completion of all formalities mentioned as above in Sl. No. 4, 5 & 7 for approval by the Engineer-in-charge.

12. The main contractor shall be responsible and liable for proper and complete execution of all works including civil work and ensure coordination and completion of all associated electrical works.

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

ANNEXURE'B'

Form – X

CONSENT LETTER FROM ELIGIBLE ASSOCIATE AGENCY OF ELECTRICAL WORK

Name of Work:- Upgradation of GPRA C-1/17 (Type VI-B), Humayun Road under Service Centre No. 210, 'N' Division, CPWD, New Delhi during 2026-27. (SH: Renovation work in kitchen, toilets and all rooms of the above technically occupied quarters and E&M Works).

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

1. I / We will execute the work as per specifications and conditions of the agreement and as per directions of the Engineer–in-Charge for the electrical work till the completion of the work.

2. I / We will be responsible for necessary action to handover the installations and for rectification of defects and repair during the maintenance / warranty period.

3. Also I / We will employ full time technically qualified Engineer / supervisor for the electrical work component of the work as required for the work. I / We will attend inspection of officers of the department as and when required.

Date

Signature with date of Main Agency/Contractor

Address

Signature with date of Associate Agency

Address

1. Witness with address

   (From main contractor side)

2. Witness with address

   (From associated agency)

ANNEXURE'C'

Form – Y

MEMORANDUM OF UNDERSTANDING [M.O.U] BETWEEN

1] M/S [Name of the firm/agency with full address] Enlistment Status Valid Upto

[Hence forth called the main contractor]

And

2] M/S [Name of the firm/agency with full address] Enlistment Status Valid Upto

[Hence forth, called Associated Agency]

For the execution of Electrical Work(s) "Upgradation of GPRA C-1/17 (Type VI-B), Humayun Road under Service Centre No. 210, 'N' Division, CPWD, New Delhi during 2026-27. (SH: Renovation work in kitchen, toilets and all rooms of the above technically occupied quarters and E&M Works)" as per schedule of Quantity, specifications, terms and conditions of the agreement.

We state that M.O.U between us will be treated as an agreement and has legality as per Indian Contract Act [amended upto date] and the department [CPWD] can enforce all the terms and conditions of the agreement for execution of the above work. Both of us shall be responsible for the execution of work as per the agreement to the extent this MOU allows. Both the parties shall be paid consequent to the execution as per agreement to the extent this MOU permits. In case of any dispute, either of us will go for mediation by the EE (E), DED-11, CPWD, New Delhi. Any of us may appeal against the mediation to the ADG (RD), CPWD, Nirman Bhawan, New Delhi. His decision shall be final and binding on both of us.

We have agreed as under:

1] The associated agency will execute all electrical work in the wholesome manner as per terms and conditions of the agreement and as per the direction of the Engineer-in-charge.

2] That the Associated agency has gone through the contract and has understood the scope of work required for the purpose of executing electrical work.

3] All the machinery and equipment, tools and plants, special T&P required for execution of the specialized work(s), as per agreement, shall be the responsibility of the associated agency.

4] The site staff required for the electrical work(s) shall be arranged by the associated agency as per terms and conditions of the agreement.

SIGNATURE OF MAIN CONTRACTOR	SIGNATURE OF ASSOCIATED AGENCY
Date	Date
Place	Place

Executive Engineer(E)

General Terms & Conditions

1. Introduction

These conditions are intended to amplify the General Conditions of Contract, and shall be read in conjunction with the same. For any discrepancy between the General Conditions and these Special Conditions, the more stringent shall apply.

2. Related Documents

These additional specifications are to be read in conjunction with the specification given in the tender. In case any item/ items or part thereof are not covered under these specifications, the same shall be carried out as per relevant part of the CPWD General Specification for Electrical Works Part-I Internal -2023, Part –II External – 2023, Part-IV (Sub-Station), Part-V (Wet Riser) & Part-VII (Fire Alarm) General Specifications for Heating, Ventilation & Air-Conditioning (HVAC)-2024 as amended upto dates, relevant electricity act BIS/IEC and as per direction of Engineer-in-charge. These additional specifications are to be read in conjunction with above and in case of variations; specifications given in this additional condition shall apply. However, nothing extra shall be paid on account of these additional specifications and conditions, as the same are to be tread along with schedule of quantities for the work. In case of discrepancy among the specifications/conditions as mentioned above the precedence given in general condition of contract shall be followed.

3. Site Information

The tenderer should, in his own interest, visit the site and familiarize himself with the site conditions before tendering. For any clarification, tenderer may discuss with the Engineer-in-Charge.

4. Conformity With Statutory Acts, Rules, Standards and Codes

i) All components shall conform to relevant Indian Standard Specifications, wherever existing, amended to date

ii) All electrical works shall be carried out in accordance with the provisions of Indian Electricity Act, 2003 and Indian Electricity Rules, 1956 amended to date. They shall also conform to CPWD General Specifications for Electrical works, Part-I: Internal, 2023 and Part-II: External, 2023 as amended to date.

iii) All components shall conform to Energy Conservation Building Code 2007 of India as amended or revised up to date.

5. Safety Codes and Labour Regulations

i) In respect of all labour employed directly or indirectly on the work for the performance of the air conditioning contractor ‘s part of work, the contractor at his own expense, will arrange for the safety provisions as per the statutory provisions, B.I.S recommendations, factory act, workman ‘s compensation act, CPWD code and instructions issued from time to time. Failure to provide such safety requirements would make the tenderer liable for penalty as provided in the labour laws/ GCC for each violation. In addition, the Engineer-in-charge, shall be at liberty to make arrangements and provide facilities as aforesaid and recover the cost from the contractor.

ii) The contractor shall provide necessary barriers, warning signals and other safety measures while laying pipelines, ducts cables etc. Or wherever necessary so as to avoid accident. He shall also indemnify CPWD against claims for compensation arising out of negligence in this respect. Contractor shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause. The department shall not be responsible for any accident occurred or damage incurred or claims arising there from during the execution of work. The contractor shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the contractor due to the above provisions thereof.

6. Works to be done by the contractor

Unless otherwise mentioned in the tender documents, the following works shall be done by the contractor and therefore, their cost shall be deemed to be included in their tendered cost-whether specifically indicated in the schedule of work or not: -

i) Making good all damages caused to the structure during installation and restoring the same to their original finish.

ii) Minor building work necessary for installation of equipments, making opening in the wall/floors/slabs/tables or modifications in the existing openings wherever provided and restoring the same to their original condition/ finish and necessary grouting etc. As required. Opening in the slab/retaining walls/brick wall etc. Shall be made by means of core cutting machines only.

iii) Sealing of all floor slab/wall openings provided by the Department or made by the contractor for laying cables from fire safety points of view.

iv) Suspenders, brackets and floor/wall supports for suspending/supporting cable tray, cables etc.

v) Removal & disposal of the all the malba/ debris occurs during the execution of work from the site.

7. Rates

The rate quoted by bidder, shall be firm and inclusive of all taxes (including GST), duties and levies and all charges for packing, forwarding insurance, freight and delivery, installation, testing, commissioning etc. At site including temporary constructional storage, risks, overhead charges, general liabilities/obligation etc.

8. Acceptable Makes

The acceptable makes of the various equipments/ components/ accessories have been indicated in "Acceptable Makes" annexed with this document. The bidders shall work out the cost of the offers on this basis. Alternate make/ model is not acceptable.

9. Machinery for Erection

All tools and tackles required for unloading/ handling of equipments and materials at site, their assembly, erection, testing and commissioning shall be the responsibility of the contractor.

10. Completeness Of the Tender, Submission of Programme, Approval of Drawings and Commencement of Work.

i) Completeness of the tender

All sundry equipments, fittings, assemblies, accessories, hardware items, gaskets, and associated items, supports, termination lugs for electrical connections, cable glands, junction boxes and all other items which are useful and necessary for proper assembly and efficient working of the various equipments and components of the work shall be deemed to have been included in the tender, irrespective of the fact whether such items are specifically mentioned in the tender or not.

ii) Submission of Name of workers and supervisor etc.

The contractor shall submit the name, Ids and credentials of all workers and staff to be deployed by them at site to the Engineer-in-Charge for approval before start of work OR 10 days prior from date of start.

11. Extent of Work

The work shall comprise of entire labour including supervision and all material necessary to meet a complete installation and such tests and adjustment and commissioning, as may be required by the department. The term complete installation shall not only mean major items of the plant and equipments covered by the specification but all incidental sundry components necessary for complete execution and satisfactory performance of installation with all layout charts whether or not those have been mentioned in detail in the tender documents in connection with this contract. Further, it is clarified that nothing extra will be paid on account of following works which are required for completion of work.

a. Making opening in false ceiling/ wall panelling/ furniture and repairing the same.

b. Making arrangement for watch & ward till its handing over to client department.

c. Contractor has to provide technical assistance as and when required for approval.

12. Compliance with Regulations and Indian Standards:

i) All works shall be carried out in accordance with relevant regulation, both statutory and those specified by the Indian Standards related to the works covered by this specification. In particular, the equipment and installation will comply with the following:
ii) Factories Act.
iii) Indian Electricity Rules.
iv) B.I.S. & other standards as applicable.
v) Workmen's compensation Act.
vi) Statutory norms prescribed by local bodies like CEA, Power Supply Co., etc.

13. Indemnity:

The successful tenderer shall at all times indemnify the department, consequent on this works contract. The successful tenderer shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause and the contractor shall be responsible for any accident or damage incurred or claims arising there from during the period of erection, construction and putting into operation the equipments and ancillary equipment under the supervision of the successful tenderer in so far as the latter is responsible. The successful tenderer shall also provide all insurance including third party

insurance as may be necessary to cover the risk. No extra payment would be made to the successful tenderer on account of the above.

14.Co-Ordination With Other Agencies

The contractor shall co-ordinate with all other agencies involved in the work so that the work of other agencies is not hampered due to delay in his work. Ducting, piping, cabling or any other work, which directly affect the progress of building work, shall be given priority.

15. Quality Of Materials and Workmanship

i) The components of the installation shall be of such design so as to satisfactorily function under all conditions of operation.

ii) The entire work of manufacture/ fabrication, assembly and installation shall conform to sound engineering practice. The entire installation shall be such as to cause minimum transmission of noise and vibration to the building structure.

iii) All equipments and materials to be used in work shall be manufactured in factories of good repute having excellent track record of quality manufacturing, performance and proper after sales service.

iv) None of the equipment/ machines supplied shall be more than Six months old from date of supply at site, Copy of Excise Gate Pass/ Invoice/ Shipment /Custom Clearance certificate/ details (in case of Imported equipments) shall be submitted to prove the date of manufacture & genuineness of the equipments/ machines supplied.

16. Care Of the Building

Care shall be taken by the contractor during execution of the work to avoid damage to the building. He shall be responsible for repairing all such damages and restoring the same to the original finish at his cost. He shall also remove all unwanted and waste materials arising out of the installation from the site of work from time to time.

17. Inspection And Testing

All the material shall be purchased by the contractor from OEM or his authorised dealer. Proof of purchasing from such authorised source like copy of bill/ challan etc. Shall be submitted to the department before claiming on account bill for payments.

18. Final Inspection & Testing

Final Inspection & testing will be done by the Engineer-in-Charge or his representative as per details indicated in CPWD Specifications.

19. Safety measures

All equipments shall incorporate suitable safety provisions to ensure safety of the operating personnel at all times. The initial and final inspection reports shall bring out explicitly the safety provisions incorporated in each equipment.

20. The contractor shall handover inventory after completion of the contract the firm.

21. Any damage done to the building or existing installations during the execution, shall have to be made good by the contractor at his own cost.

22. All the Nominal Tools and other T&P required for this work shall be arranged by the contractor at his own cost

23. The department reserves the right to terminate the contract before the expiry of contract without

assigning any reason and also to exclude any item of NIT while awarding the work without assigning any reason thereof.

24. **The tenderer should in his own interest visit the site and get familiarized with the site conditions before tendering.**

25. The operator has to upkeep the machinery / switch board and entire system properly neat and clean out for which no extra payment would be made.

26. Order of Preference:

    There should be any difference or discrepancy between the description of items as given in the Schedule of Quantities, technical specifications for individual items of work (including additional and commercial conditions) and IS Codes etc., the following order of preference shall be followed:

    a. Schedule of quantities

    b. Additional and Commercial Conditions c. technical specifications specified in the tendered. General Conditions of Contract for CPWD Works e. Drawings f. CPWD General Specifications g. Relevant IS or any other international code in case IS code is not available.

27. The firm shall have to obtain necessary Security Passes/Entry Passes by doing all necessary formalities before start of work. The department will only assist for the same.

28. Any delay on account of obtaining passes shall not be entertained on account of extension of time for the work.

29. Department will not provide the store to the agency and watch and ward of materials will be responsibility of contractor till completion/ hand over to the client department.

30. The colour temperature of fittings shall be decided by AE(E) after consultation with the client. Before procurement same shall be confirmed.

31. Contractor has to submit guarantee letter for LED fittings for 5 years guarantee from the regional manager of fitting manufacturer.

32. The Contractor has to submit proof like copy of challan/bill etc for purchasing the material from genuine source/ authorized dealer of manufacturer only.

33. Work is to be carried out in the occupied building, so the working hours for carrying out the work will be as per the site available i.e. in the evening, night, holidays. The extra labour required to complete the work within agreement time with working hours restrictions is to be provided by the contractor for which nothing extra will be paid.

34. While fixing the fittings, the existing false ceiling, the cutting of holes and making suspending arrangement, nothing extra will be paid.

35. Nothing extra will be paid for opening the existing false ceiling, for carrying out the conduiting work etc.

36. The make of material shall be as per preferred list of make of material and in case make is not mentioned for particular item, same shall be got approved from the Engineer-in-charge.

ADDITIONAL TERMS AND CONDITIONS

1. The work shall be carried out in accordance with CPWD specification for electrical work part- I 2023 (INT), and part –II Ext., (as amended up to date). All installation shall comply with the requirement of Indian Electricity Rules -1956 as amended up to date and as per instruction of Engineer-in-charge.
2. All the materials to be used on the work by the contractor shall be got approved from the Engineer-in-charge or his authorized representative before use on the work. The rejected materials shall have to be replaced by the contractor at his own cost and the same should be removed from the site immediately.
3. Works with bad workmanship are liable to be rejected.
4. Only ISI marked steel/PVC conduits, wires, cables, switches, socket outlets, ceiling roses, lamp holders (wherever applicable) etc. shall be used. These shall be got approved from the Engineer-in charge before use at work.
5. The contractor is advised to visit the site before quoting this tender to apprise himself about the site environments and other conditions.
6. The contractor is bound to sign the site order book as and when required by the Engineer-in-charge and shall carry out the instructions recorded therein.
7. Any damage done to the existing building while executing the electric work should be make good to the satisfaction of the department within scope of the work for which nothing extra shall be paid. The chases, holes etc. cut in the walls and roofs should be filled within two days. All malba should be removed on the same day by using gunny bag/mats for collection of malba. In case of failure to do so it will be got done by the Engineer-in-charge or his authorized representative at contractor's risk and cost.
8. All chase cutting for laying of conduits in walls shall be done with electric chase cutter only.
9. All the hidden works shall be carried out in the presence of Engineer-in- charge or his authorized representative with giving sufficient prior intimation.
10. The contractor shall make his own arrangements for storing the materials and watch & ward at his own cost, even for the installation till the completion of the work and handing over of the building/quarters.
11. The contractor shall make his own arrangement for all general and special tools and plants required for the work at his own cost and nothing extra shall be paid on this account.
12. The rates quoted by the firm/contractor shall be inclusive of GST.
13. The work will be executed in a manner so that no inconvenience will be the occupants. No claim for idle labour on account of this shall be entertained.
14. The earth connection to main switches/boards/DB's etc. shall be done with lugs/thimbles properly soldered or with crimping tool within the quoted rates and nothing extra shall be paid on this account.
15. All the dismantle materials shall be stored at place by the contractor, which must be cleared at the earliest.
16. Laying of the conduits routes, position of switches, fittings and cable routes, inventories of

installations in any quarter etc. should be got approved by the Engineer-in charge or his authorized representative before execution of work. It will be in the interest of the contractor to mark the above layout at site and get it approved before actual execution of the work otherwise it will have to get it redone, for which no extra payment will be made.

17. Persons executing electrical work should have valid electrical license as required under I.E. Act.
18. All inter-connections in the switch-boards shall be carried out with suitable copper cable/wire connectors with the sufficient current carrying capacity, for which nothing extra shall be paid on account of this.
19. All termination of wires in MCB DB shall be done with copper thimbles / ferrules within the scope of the work and nothing extra shall be paid onaccount of this.
20. All the MCBs/ RCCBs etc. shall be of the same make as of the make of MCB DB, irrespective of description of item.
21. All screws/nuts bolts should be galvanized/cadmium plated shall be use at site.
22. If any accident occurs during the execution of work, the firm/contractor will be responsible for all these accidents and no compensation will be paid by the Dept. To workers or to the contractor.
23. Workers engaged by the contractor for execution of work shall be liability ofthe contractor and they will not be considered for any type of regular employment in the Department, in any case.
24. The contractor is liable to obey/ follow the guidelines and rules issued time to time by the Dept. Regarding EPFO, ESIC, Registration with BOCW board and labour license.
25. **Contractor shall stand for a guaranty/ warranty of all electrical fan/fittings installed under the agreements for a period of One Year or as mentioned in BOQ item from the date of taking over of the installation by the Department.**
26. The payment to the workers shall be made through bank or ECS or online transfer to his /their bank account and the contractor has to furnish a certificate to this effect and submit documents in support of such payments. In the absence of this certificate& supporting document, no running account bill or final bill payment of the contractor shall be released.
27. The contractor is required to execute the upgradation work in the quarters handed over to him by the engineer in charge. The contractor is liable to execute every work/ quarter which will be instructed/ handed over to him by the engineer in charge whether is for fully upgradation or partial upgradation. Also, contractor has to complete execution of electrical works in a quarter at one go without leaving any balance work in the quarter for avoiding inconvenience to the allottee.
28. If any electrical balance work left in a quarter, then no payment shall be released for that quarter till completion of electrical work in that quarter.
29. All T&P and special T&P i/c ladders, wire drawing equipment, chase cutting equipment, drill machine, megger, earth resistance testing equipment etc.required for the work shall have to be arranged by the contractor and nothing extra shall be paid on this account.
30. The Engineer-in-charge has the right to remove any worker from site without assigning any reason. The contractor shall replace with new worker immediately.

31. The entire installations against all items shall be handed over to the Department after execution, testing & commissioning etc. at site

32. No joints in wiring shall be permitted anywhere, except in switch box or point outlets, 'where jointing of wires will be allowed with use of suitable connector.

33. The wiring throughout the installation shall be such that there is no break in the neutral wire except in the form of linked switchgear.

34. Termination of circuit into switchboard: -

    Circuit will consist of phase / neutral /earth wire. Circuit will terminate in a switch board (first tapping point, where from point wiring starts) in following manner: -

    Phase wire terminated in phase connector Neutral wire terminated in neutral connector Earth wire terminated in earth connector.

    The switch board will have phase neutral and earth terminal connector blocks to receive phase /neutral / earth wire.

35. The contractor shall cover all new junction boxes i/c round boxes with White Phenolic laminated sheet within the scope of work and nothing extra shall be paid on account of this. However, if existing steel junction boxes to be covered with 3 mm thick laminated sheet, then this sheet shall be paid against respective item.

36. The connection, inter-connection, earthing and inter-earthing shall be done by the contractor where ever required to be done for energization of the installation and nothing extra shall be paid on this account.

37. The entire system of metallic conduit work, including the outlet boxes and other metallic accessories, shall be mechanically and electrically continuous by proper screwed joints, or by double check nuts at terminations. The conduit shall be continuous when passing through walls or floor.

38. All loose wires connecting from ceiling rose to fittings/ fans/ exhaust fans shall be laid inside white colour PVC sleeves. Providing & fixing these PVC sleeves are within the scope of work and nothing extra shall be paid on account of this.

39. All materials required for execution of all items shall be arranged by the contractor at his own cost. The quantity shown against every item of all Sub heads are only indicative and tentative. The quantities during execution shall be as per the requirement.

40. The phenolic laminated sheet cover for the switch boards shall be 3mm thick (nominal). The colour and design should be got approved from the Engineer- in-charge or his authorized representative.

Dismantled Material: -

41. Dismantled material received from site shall be retained by the contractor and recovery/deduction for the same shall be made from the running account /final bills of the contractor as per the rates quoted by the contractor for the same.

TERMS & CONDITIONS

Name of Work: Upgradation of GPRA C-1/17 (Type VI-B), Humayun Road under Service Centre No. 210, 'N' Division, CPWD, New Delhi during 2026-27. (SH: Renovation work in kitchen, toilets and all rooms of the above technically occupied quarters and E&M Works).

The work shall be executed as per CPWD General Specifications & Conditions as amended up to date for the electrical works and relevant I.E. rules and as per direction of Engineer-in-charge. These additional specifications are to be read in conjunction with above and in case of variations specifications given in this additional specification and conditions as the same are to be read along with the schedule of quantities for the work.

1. All the dismantled material credit has been taken in the BOQ need not to be returned back to the Department/JE (E), CPWD.
2. The contractor shall have to take all the safety precautions etc. for their staff deputed on the work. No claim will be entertained by the department if any accident occurs during the execution of work.
3. The contractor is advised to visit the site of work before quoting the rates. **He is also advised to read carefully the terms and conditions regarding time of working as mentioned in Part-A & part-B of this tender document.**
4. The work shall be treated complete when all the installations are handed over to the department and all the defects are removed to the entire satisfaction of the Engineer-in-Charge.
5. The contractor shall responsible to abide by the regulations or restrictions set in regard to entry into, and movement within the premises.
6. The contractor should not tamper with any of the existing installation including their switching, operation or connection there to, without specific approval from the Engineer-in-Charge.
7. The contractor shall co-ordinate with all other agencies involved in the building work so that the building work not hampered due to delay in his work. Recessed conduit and other work, which directly affect the progress of building work, should be given priority.
8. All the components in a wiring installation shall be of appropriate rating of voltage, current and frequency, as required at the respective section of the electrical installation in which they are used.
9. Bad workmanship is liable to be summarily rejected.
10. The contractor/ his Engineer/ Supervisor will be bound to sign the site order book and to carry out the instructions given therein and shall be in contact with JE(E)/AE(E) daily in order to get information and instructions for urgent work at site.
11. All debris due to the electrical works be removed daily and site shall be cleared by the contractor as soon as the work is completed.
12. The wiring, cables & conduits routes shall be marked first at site & got approved from the Engineer-in-Charge before the commencement of the actual work.

13. All the earth continuity conductor shall be connected to metal board/ box/ panel by means of suitable lugs.
14. No T & P shall be issued by the department and nothing extra shall be paid on this account.
15. The connections of main switches, earthing conductor and interconnection / looping cables shall be made by adequate rated tin-plated copper thimbles/lugs.
16. The firm has to submit 5-year warranty for onsite replacement / repairing of defective fittings from not below the rank of the regional manager of OEM for all type of LED fittings.
17. The contractor has to submit TDS along with LM 79 and LM80 reports & before supply of LED fittings / material to be used at site.
18. The Manufacturer shall have in house lab approved by NABL or ministry of science of govt of India. LM 79 and LM80 reports need to be submitted from a NABL/UL accredited lab to verify above parameters. Both the fixture and Driver should have separate BIS approval.
19. All the materials shall be got approved by the Engineer-in-charge before use at site and as specified in the schedule of work. Following are the acceptable make of items.

LIST OF PREFERRED MAKES		
S.N	**Description of Item**	**Makes**
1	FRLS PVC insulated copper wire	Havells/Polycab/Finolex/RR KABEL
2	Co-axial TV cable	Havells/Polycab/Finolex/RR KABEL
3	Steel / PVC Conduit & accessories	NIC /AKG /BEC/ RMCON
4	Wall Fans	Crompton Greaves/ Usha/Khaitan/ Havells /Polar/ Atomberg/ Orient
5	Exhaust fan	Havells/Crompton/USHA /Orient
6	MCB/MCCB/ DB, prewired MCB DB and sheet steel Metal enclosed industrial socket, plug top and Isolators	Legrand/Seimens/L&K/ABB/Schneider/Honeywell
7	Modular switch socket /GI box/RJ 45 & its accessories	Honeywell - Blenze Plus / Legrand – Arteor / Schneider – Zencelo / North West – Platia / ABB-IVIE.
8	GI Pipe	Jindal (Hissar) / TATA /SAIL/ Prakash Surya
9	LED indication light & push button	BCH/L&T/ Siemens/ABB
10	XLPE cable	Havells/Polycab/Finolex/RR KABEL
11	Armoured /unarmoured copper conductor telephone cable	Havells/Polycab/Finolex/Delton/RR Kabel
12	Lugs/Ferrules	Dowells/Jainson/Action/Commet
13	Brass Compression Gland	Commet/Gripwell/Hensel/Dowells.
14	LT panel / Fire Control Panel	SPC Electrotech / APCL/ Tricolite Electrical Industries / Adlec Control System / Control & Switchgear/ Precision System Control/ R P Control
15	Digital Voltmeter/Ammeter/Multi function meter	L&T/Schneider/ABB/Siemens/Socomac
16	Floor Raceway/UPVC DLP trunking	Honeywell/ Legrand/Havells/MK/Hager
17	LED fixtures	Wipro/Trilux /LT/Regent/Philips/Havells/Crompton
18	Wall bracket fitting	Wipro/Trilux/LT/Regent/Philips/Havells/Crompton/Luster/Twinkle/Hi-lite
19	Post top/Bollard Light	Wipro/Trilux/LT/Regent/Philips/Havells/Crompton/Luster/Twinkle/Hi-lite
20	Chimney	Hindware/Glen/Faber/Elica
21	Geyser	Hindware/Racold/Havells/Jaguar

Note:- It Make of any item is not mentioned in the above preferred make, the Make and model to be decided and approved by Engineer-in-charge before execution of work. The makes of various materials as above shall be approved by the Engineer-in-charge in consultation with the NIT approving authority.

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PART –D
SCHEDULE OF QUANTITY

Annexure-A

Schedule of Quantity (Civil Works)

Name of Work:- Upgradation of GPRA C-1/17 (Type VI-B), Humayun Road under Service Centre No. 210, 'N' Division, CPWD, New Delhi during 2026-27. (SH: Renovation work in kitchen, toilets and all rooms of the above technically occupied quarters and E&M Works).

S. No.	Description of Item	Qty	Unit	Rate	Amount
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
1.1	All kinds of soil.	10.00	Cum	260.30	2603.00
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
2.1	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources).	14.00	cum	7,878.50	110299.00
2.2	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources).	20.00	cum	6,518.60	130372.00
3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels,bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering,finishing and reinforcement, with 1 : 1.5 : 3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	2.00	cum	11,505.50	23011.00
4	Centering and shuttering including strutting, propping etc. and removal of form for :				
4.1	Suspended floors, roofs, landings, balconies and access platform.	6.00	sqm	927.25	5564.00
5	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
5.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.	150.00	kg	107.85	16178.00
6	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
6.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	9.00	Cum	7132.25	64190.00

7	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
7.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	25.00	cum	9,105.95	227649.00
8	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				
8.1	Cement mortar 1:4 (1 cement :4 coarse sand)	15.00	sqm	1,123.80	16857.00
9	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.				
9.1	Granite stone slab of colour black, Cherry/Ruby red.				
9.1.1	Area of slab upto 0.50 sqm	25.00	sqm	5,413.50	135338.00
9.1.2	Area of slab over 0.50 sqm	60.00	sqm	5,136.30	308178.00
10	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/Granite/stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	6.00	each	978.70	5872.00
11	Providing and fixing in wall lining flat pressed three layer (medium density) particle board or graded wood Pre-laminated one side decorative lamination and other side balancing lamination Grade I, Type II, IS : 12823 marked, including priming coat on unexposed arrangement and screws etc. complete :				
11.1	12 mm thick	40.00	sqm	1430.20	57208.00
12	Providing and fixing plywwood 4 mm thick, one side decorative veneer conforming to IS: 1328 (type-1), for plain lining / cladding with necessary screws, including priming coat on unexposed surface with:				
12.1	Decorative veneer facings of approved manufacture	100.00	sqm	1946.25	194625.00

13	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size **(i.e 300x450 mm /300x600 mm/600x1200 mm or more size etc.)** 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.	150.00	sqm	1,267.95	190193.00
14	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).				
14.1	Second class teak wood	0.80	cum	142949.70	114360.00
15	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note : Butt hinges and necessary screws shall be paid separately).				
15.1	Second class teak wood				
15.1.1	35 mm thick shutters	10.00	sqm	4,111.95	41120.00
16	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick :				
16.1	Second class teak wood	8.00	sqm	3,323.20	26586.00
17	Extra for providing frosted glass panes 4 mm thick instead of ordinary float glass panes 4 mm thick in doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured).	20.00	sqm	176.40	3528.00
18	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
18.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screw.	48.00	sqm	2392.65	114847.00

19	Providing and fixing chromium plated brass curtain rod having wall thickness of 1.25mm with two chromium plated brass brackets fixed with C.P. brass screws and PVC sleeves etc., wherever necessary complete :				
19.1	25 mm dia	70.00	Metre	525.55	36789.00
20	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				
20.1	Fixed to openings /wooden frames with rawl plugs screws etc.	1000.00	kg	238.35	238350.00
21	Providing and fixing hard drawn steel wire fabric 75x25 mm mesh ofweight not less than 7.75 Kg per sqm to window frames etc. including62x19 mm beading of second class teak wood and priming coat with approved steel primer all complete.	100.00	Sqm	1641.15	164115.00
22	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :				
22.1	300x16 mm	8.00	each	303.25	2426.00
23	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
23.1	250x10 mm	8.00	each	115.15	921.00
23.2	200x10 mm	12.00	each	99.70	1196.00
23.3	150x10 mm	8.00	each	82.55	660.00
24	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.				
24.1	Twin rubber stopper	4.00	each	72.35	289.00
25	Providing and fixing Bamboo jaffery/ fencing consisting of superior quality 25mm dia (Average) half cut bamboo placed vertically and fixed together with three numbers horizontal running members of hollock wood in scantling of section 50X25 mm, fixed with nails and G.I wire on existing support complete as per direction of Engineer-in-charge.	60.00	sqm	689.40	41364.00
26	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete.				
26.1	Double strip (horizontal type)	10.00	each	39.70	397.00

27	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.				
27.1	1.0 mm thick	200.00	sqm	897.30	179460.00
28	Providing and fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws :				
28.1	35 mm thick shutters				
28.1.1	With ISI marked stainless steel butt hinges of required size				
28.1.1.1	Second class teak wood	10.00	sqm	5,217.65	52177.00
29	Providing and fixing plain lining with necessary screws/nuts & bolts/ nails, including a coat of approved primer on one face, and fixed on wooden isteel frame work, complete as per direction of Engineer-in- charge (Frame work shall be paid for separately).				
29.1	12 mm thick commercial ply conforming to IS 1328 BWR type	10.00	sqm	1,224.65	12247.00
30	Providing and fixing factory made uPVC glazed/wire mesh windows/doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge.				

	Section of steel reinforcement and cross sections of uPVC profiles to be as per design approved by Engineer-in-Charge. Wire mesh / Glazing of plain/ toughened/ laminated/ double glass unit with / without high performance coatings as per design requirements and conforming to IS: 3548 & IS: 16231 shall be paid separately.				
30.1	Note:- Structural design proof checked from a Government Engineering Institute, to be provided by the manufacturer for : (i) Sites with basic wind speed > 45 m/sec as per IS 875 – Part 3 (ii) Sites with structure height more than 20m for all wind speeds.				
30.1.1	Three track three panels sliding window with two glazed & one wire mesh panels with Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body.				
30.1.1.1	Using R3 series with frame (98mm & above) x (40mm & above) & both glazed and fly screen sash (30mm & above) x (55mm & above) with zinc alloy (zamak) powder coated handle on every glazed panel along with multi-point locking system. (Height upto 1.8m).	65.00	sqm	10874.20	706823.00
30.1.1.2	Using R4 series with frame (115mm & above) x (45mm & above) & both glazed and fly screen sash (44mm & above) x (55mm & above) with zinc alloy (zamak) powder coated handle on every glazed panel along with multi-point locking system. (Height above 1.8m).	25.00	sqm	12372.25	309306.00
30.2	Casement Window with Double Rebate Frame with one Side Hung Glazed Panel and one Side Hung wire mesh Panel with S.S. 304 friction hinges as per size and weight of sash, multi-point locking system, zinc alloy (zamak) powder coated handles on both glazed and fly screen panel.				
30.2.1	Using R3 series with frame (110 mm & above) x (45 mm & above) & glazed sash (55 mm & above) x (65 mm & above) & fly screen sash (30 mm & above) x (55 mm & above) & metal grill (if required to be paid separately). (Height upto 1.8 metre).	10.00	sqm	22785.35	227854.00

31	Providing and fixing cupboard shutter with 19mm thick one side decorative and other side balancing lamination factory pressed BWP grade marine ply as per IS 710 of approved brand including 2mm thick PVC edge banding tape with hot glue by edge bending machine etc. with auto closing spring loaded hinges (hydraulic type) etc. complete as per direction of Engineer-in-charge. (Payment of providing and fixing auto closing hinges shall be paid separately.	80.00	sqm	2829.25	226340.00
32	Providing and fixing 19mm thick both side balancing lamination factory pressed BWP grade marine ply as per IS 710 of approved brand boxes,shelves,racks, almirah,cupboard and drawer etc. including necessary nails,screws etc. complete as per direction of Engineer-incharge.	200.00	sqm	2593.15	518630.00
33	Providing and fixing stainless steel fancy handle of approved make fixed with SS screws etc. complete as per direction of Engineer-in-charge.				
33.1	200 mm	50.00	each	186.65	9333.00
34	Providing and fixing stainless steel soft closing spring hinges at 0 degree hinges (hydraulic type) of approved make/brand to cupboard shutters with full threaded steel screws including making necessary recess in board and finished etc. complete as per direction of Engineer-in-charge.	120.00	each	272.00	32640.00
35	Providing and fixing stainless steel soft closing heavy type telescopic drawer channels of approved make 500 mm long with screws etc. complete as per directions of Engineer- in-charge.	50.00	One Set	885.10	44255.00
36	Providing and fixing readymade 304 grade stainless steel Modular kitchen basket and accessories such as right angle basket (Plain Cup & Saucer, plant, Partition, Bottle rack, Thali, Cutlery) kitchen utensil basket, Dinner set basket, kitchen grain basket, Multipurpose basket as per site requirement including finishing (wherever required) and fittings. The same shall be fixed with necessary stainless steel nuts & bolts, Stainless Steel Screws & Telescopic channel etc. as per direction of Engineer-In-Charge. (For payment purpose only weight of Stainless steel basket shall be considered excluding weight of all fixing accessories such as nuts, bolts, fasteners telescopic basket channels etc. Payment of providing and fixing telescopic channel shall be paid separately).	25.00	kg	533.25	13331.00
37	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	2700.00	Kg	133.70	360990.00

38	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				
38.1	Hot finished welded type tubes	3000.00	kg	194.40	583200.00
39	Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm2), counter sunk head, comprising of 10 mm dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.				
39.1	10 x 120 mm	100.00	each	170.95	17095.00
40	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	200.00	Kg	772.40	154480.00
41	Providing & fixing fly proof wire gauze to windows, clerestory windows & doors with M.S. Flat 15x3 mm and nuts & bolts complete.				
41.1	Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides	20.00	sqm	1,133.55	22671.00
42	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :				
42.1	25 mm thick	100.00	sqm	1,948.25	194825.00
43	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	5.00	sqm	2,354.70	11774.00

44	Providing and laying rectified Glazed Ceramic / anti-skid floor tiles of size 300x300/600x600 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS: 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.	50.00	sqm	1,330.00	66500.00
45	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to 1S:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.				
45.1	Glazed vitrified floor tiles polished finish of size				
45.1.1	Size of Tile 600 x 1200 mm	250.00	Sqm	1,798.80	449700.00
46	Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).				
46.1	Size of Tile 600x600 mm	36.00	sqm	1,893.90	68180.00
47	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	10.00	each	298.25	2983.00

48	Providing and fixing false ceiling at all heights including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS: 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50 mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.l, channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long,				
	the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25 mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm cc, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fitings, grills,diffusers, cutouts made with frame of perimeter channels suitably fixed,allcomplete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with:				
48.1	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part |):2011 (Board with BIS certification marks).	220.00	sqm	1,355.80	298276.00

49	Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch, including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovigs incorporating minimum 0.3% ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866.The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified.				
49.1	2 mm thick corrugated (2.5" or 4.2" or 6") or step-down (2" or 3" or 6") as specified.	10.00	sqm	1401.35	14014.00
50	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	200.00	sqm	738.65	147730.00
51	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	650.00	sqm	262.70	170755.00
52	Finishing walls with Acrylic Smooth exterior paint of required shade :				
52.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm).	600.00	sqm	160.60	96360.00
53	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.				
53.1	With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre.	160.00	sqm	70.35	11256.00
54	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				

54.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	400.00	sqm	226.25	90500.00
55	Polishing in high gloss/matt finish melamine clear polish on wood work in required color/wooden shade texture with following process in the sequence as detailed below: 1. The surface to be polished is rubbed with sand paper 80/120 no. and then with sand paper of 160/180 nos. 2. Applying two coats of sealer with spray gun and allowing sufficient drying time for 1st coat and 2nd coat is allowed to dry for 8 to 12 hrs. 3. On drying of sealer coat, wet rubbing with emery cloth of finer grading with ample water to remove excess sealer layer and make the surface further smooth after this wet rubbing, then surface is applied with special grade melamine fillers to fill all the small and big holes/grooves etc. Filler coat to be allowed to dry for 4 to 6 hrs on which again a light wet rubbing is done this surface is further allowed to dry for 12 hrs. 4. On this, 1st coat of melamine polish is applied with spray gun using melamine clear polish and melamine thinner in required proportion. This 1st coat is allowed to dry for 24 hrs then this dry surface is again fine wet rubbed smooth, which is further allowed to dry for 12 hrs. The final melamine polish is applied with compressor pressure spray gun using melamine clear polish and melamine thinner mixed in required proportion complete as per direction of Engineer-in-Charge. (Final coat to be done in 1 or 2 layers without gap of.				
55.1	Two or more coats on new works including a coat of wood filler.	120.00	sqm	1,360.45	163254.00
56	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	960.00	sqm	156.05	149808.00
57	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.				
57.1	Two coats	1000.00	sqm	137.45	137450.00
58	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.				
58.1	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre.	1000.00	sqm	73.95	73950.00

59	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.	1600.00	sqm	25.15	40240.00
60	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
60.1	One or more coats on old work	300.00	sqm	102.80	30840.00
61	Providing and applying self Curing/Curing Free Ready-Mix plaster of approved brand and manufacture, having minimum compressive Strength of 6.0 Mpa, of specified thickness in one coat on new/old surface of walls/ceiling, using factory product, pre-blended, premixed, formulated Self Curing/Curing Free ready-mix mortar supplied in dry form requiring only the addition of water at the site before start of application. The material shall have self-curing properties eliminating the need for post-application of water (curing) the ambient temperature at the time of application should not exced 40" Celsius it should be applied on hacked/uneven background such as bare/CC and Block/RCC surface after perparation of surface etc. complete, including applying portland cement slurry @ 0.40kg/Sqm, as per manufacturer's specification finished in smooth line and level at location and all floors. * In case, ambient temperature exceeds 40 C manufacturer's specification may be followed.				
61.1	12mm thick	150.00	sqm	508.20	76230.00
61.2	15mm thick	150.00	sqm	602.70	90405.00
62	Fixing chowkhat in existing opening in brick / RCC wall with dash fasteners/ Chemical fasteners of appropriate size (3 nos on each vertical member of door chowkhat and 2 nos on each vertical member of window chowkhats), including Cost of dash fasteners/ chemical fastener.	20.00	each	217.10	4342.00
63	Renewing glass panes, with wooden fillets wherever necessary:				
63.1	Float glass panes of nominal thickness 4 mm (weight not less than 10 kg/sqm).	10.00	sqm	1,580.90	15809.00
64	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:				
64.1	Float glass panes of nominal thickness 5 mm (weight not less than 12.5kg/sqm)	10.00	sqm	1416.15	14162.00
65	Dismantling W.C. Pan of all sizes including disposal of dismantled materials including malba all complete as per directions of Engineer-in-Charge.	6.00	each	134.10	805.00

66	Dismantling 15 to 40 mm dia G.I. pipe including stacking of dismantled pipes (within 50 metres lead) as per direction of Engineerin- Charge.				
66.1	(a) Internal Work- Exposed on wall	50.00	metre	3.25	163.00
67	Taking out existing wooden door shutter, repair by cutting,painting etc. and re-fixing of repaired door shutters to existing door frames, including replacement of hinges with screws,etc. as required, all complete as per the direction of the Engineer-in-charge.	35.00	each	429.10	15019.00
68	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3 mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ litre and viscocity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc, and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 650/ 450N/ 5cm. Tear strength in longitudinal and transverse direction as 300/250N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane :				
68.1	3mm thick	50.00	Sqm	560.95	28048.00
69	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
69.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix).	10.00	cum	2,434.25	24343.00
69.2	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix).	2.00	cum	1,503.60	3007.00
70	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in-charge.	0.20	cum	3,551.25	710.00
71	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
71.1	In cement mortar	2.00	cum	2,060.20	4120.00
72	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				

72.1	For thickness of tiles 10 mm to 25 mm	336.00	sqm	73.40	24662.00
73	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	150.00	Sqm	266.45	39968.00
74	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	300.00	sqm	54.65	16395.00
75	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	200.00	cum	263.95	52790.00
76	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5 mm thick) wire of high tensile strength of 165 kg/ sq. mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately).	80.00	metre	375.80	30064.00
77	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :				
77.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests.	2.00	each	6,767.40	13535.00
78	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	2.00	each	1,683.35	3367.00
79	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings :				
79.1	Flat back wash basin of size 550x400 mm	2.00	each	992.60	1985.00
80	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
80.1	Flexible pipe				
80.1.1	32 mm dia	6.00	each	119.55	717.00
80.1.2	40 mm dia	3.00	each	119.55	359.00

81	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	6.00	each	1,607.95	9648.00
82	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	8.00	each	1,083.50	8668.00
83	Providing and fixing toilet paper holder				
83.1	C.P. Brass	4.00	each	803.70	3215.00
84	Providing and fixing soil, waste and vent pipes :				
84.1	100 mm dia				
84.1.1	Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	10.00	metre	1,180.75	11808.00
84.2	75 mm diameter :				
84.1.2	Centrifugally cast (spun) iron socketed pipe as per IS: 3989	10.00	metre	1,186.00	11860.00
85	Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including cost of cutting holes and making good the walls etc. :				
85.1	For 100 mm dia pipe	2.00	each	362.85	726.00
85.2	For 75 mm dia pipe	2.00	each	360.00	720.00
86	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
86.1	100 mm dia				
86.1.1	Sand cast iron S&S as per IS - 3989	6.00	each	705.20	4231.00
86.1.1.1	75 mm dia				
86.2	Sand cast iron S&S as per IS- 3989	6.00	each	522.80	3137.00
87	Providing and fixing plain bend of required degree.				
87.1	100 mm dia				
87.1.1	Sand cast iron S&S as per IS : 3989	6.00	each	570.05	3420.00
88	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
88.1	100x100x100 mm				
88.1.1	Sand cast iron S&S as per IS - 1729	6.00	each	726.55	4359.00
89	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :				
89.1	100 mm inlet and 75 mm outlet				

89.1.1	Sand cast iron S&S as per IS - 3989	6.00	each	1,975.15	11851.00
90	Providing and fixing floor mounted, white vitreous china single piece, double traps syphonic water closet of approved brand/make, shape, size and pattern including integrated white vitreous china cistern of capacity 10 litres with dual flushing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc including making connection with the existing P/S trap, complete in all respect as per directions of Engineer-in-Charge.	4.00	each	18,212.90	72852.00
91	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.				
91.1	Concealed work, including cutting chases and making good the walls etc.				
91.1.1	20 mm nominal dia Pipes	152.00	metre	537.60	81715.00
91.1.2	25 mm nominal dia Pipes	50.00	metre	627.25	31363.00
92	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.				
92.1	20 mm dia nominal bore	30.00	metre	437.30	13119.00
93	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
93.1	20 mm nominal bore	4.00	each	539.95	2160.00
94	Providing and fixing uplasticised PVC connection pipe with brass unions :				
94.1	45 cm length				
94.1.1	15 mm nominal bore	36.00	each	97.75	3519.00
95	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work)				
95.1	15 mm nominal bore	15.00	each	318.35	4775.00
95.2	20 mm nominal bore	6.00	each	346.80	2081.00
95.3	25 mm nominal bore	10.00	Each	439.25	4393.00
96	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	2000.00	per litre	11.00	22000.00

97	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm)of approved make and quality as per direction of Engineer-in-charge.	40.00	each	74.80	2992.00
98	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D. plastic ball.				
98.1	15 mm nominal bore, 105 mm long, weighing not less than 138 gms.	6.00	each	182.10	1093.00
98.2	20 mm nominal bore, 120 mm long, weighing not less than 198 gms.	2.00	Each	257.60	515.00
99	Cutting holes up to 30x30 cm in walls including making good the same:				
99.1	With common burnt clay F.P.S. (non modular) bricks.	6.00	each	416.80	2501.00
100	Making chases up to 7.5x7.5 cm in walls including making good and finishing with matching surface after housing G.I. pipe etc.	30.00	metre	202.90	6087.00
101	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :				
101.1	100 mm diameter	20.00	metre	443.60	8872.00
102	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design :				
102.1	100 mm diameter S.W. pipe	20.00	metre	458.50	9170.00
103	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :				
103.1	100x100 mm size P type				
103.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	4.00	each	2,707.65	10831.00
104	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality.				
104.1	L D- 2.5				
104.1.1	Rectangular shape 600x450 mm internal dimensions.	4.00	each	1,437.65	5751.00
105	Supplying and fixing C.I. cover 300x300 mm without frame for gully trap (standard pattern) the weight of cover to be not less than 4.5 kg.	4.00	each	787.00	3148.00

106	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
106.1	For fixed portion				
106.1.1	Powder coated aluminium (minimum thickness of powder coating 50.	50.00	kg	530.90	26545.00
106.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately).				
106.2.1	Powder coated aluminium (minimum thickness of powder coating 50.	40.00	kg	634.45	25378.00
107	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).	20.00	kg	638.35	12767.00
108	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & double acting hydraulic floor spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc.to be paid separately).	5.00	sqm	5325.90	26630.00
109	Grading roof for water proofing treatment with				
109.1	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	8.00	cum	8042.30	64338.00

110	Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer-in-Charge.	210.00	Sqm	563.10	118251.00
111	Providing and fixing false ceiling at all heights with integral densified calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 &7), humidity resistance of 100%, thermal conductivity < 0.043 W/m K as per ASTM 518:1991, in true horizontal level suspended on inter-locking metal powder coated T-Grid of hot dipped galvanised iron section of 0.40 mm thick on Silhouette profile,rotary stiched double webbed white with 6 mm reveal profile (white/ black), comprising of main-T runners of size 15x42 mm of length 3000 mm, cross - T of size 15x42 mm of length 1200 mm and secondary intermediate cross-T of size 15x42 mm of length 600 mm to form grid odule of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 22x19x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall S.S screws.				
	The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge.				
111.1	With 15 mm thick integral densified micro edge light weight calcium silicate false ceiling tiles.	10.00	sqm	2630.40	26304.00

112	Supplying and installation of moisture resistant/fire resistant cement board as per standard sizes fixed with self-drilling / taping screws. Screws shall be of counter sunk rib head of 1.60 mm to 4 mm thick or 8 to 10 gauge of length varying from 25 to 45 mm.				
112.1	Cement Bonded particle board 8 mm thick (Termite, Fire & Moisture Resistance), as per IS:14276 : 1995.	100.00	sqm	991.95	99195.00
113	Renewing fly proof wire gauze to wooden/M.S. windows, clerestory windows & doors with necessary screws using Stainless steel (grade 304) wire gauge using wire of dia 0.5 mm and average width of aperture 1.4 mm in both direction (cost of wooden/steel U beading shall be paid for separately).	10.00	sqm	1037.10	10371.00
114	Providing and fixing glazing in upvc door, window, ventilator shutters and partitions etc. complete as per the architectural drawings and the directions of engineer-in-charge .				
114.1	With toughened glass panes of 6 mm thickness (weight not less than 15 kg/sqm).	60.00	sqm	2047.05	122823.00
				Total	**9320499.00**
	Add correction factor on all DSR Items 2023 @ 0.973				9068846.00
	Add Cost Index on all DSR Items 2023 @04.03%				365474.00
				Total (A)	**9434320.00**
115	Providing and fixing on terrace (at all floor levels) Stainless Steel water storage tank Consisting of 0.80 mm thick external layer of stainless steel grade 304 and 1.00 mm thick inner layer of SS grade 316 having in between 50 mm up to 120 mm thick insulation layer of PUF with cover and suitable locking arrangement including making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank..Stainless Steel water storage tank of 1500/2000 liter capacity (DURABLE PLUS Model) PAQOS Make or equivalent make duly approved by Engineer-in Charge. (The contractor will submit the ten year manufacturer warranty).	3000.00	per litre	71.55	214650.00

116	Providing and laying 12 mm thick AC-5, grade laminate wooden flooring & skirting of Lamiwood, Vista/florance equivalent make having 0.2mm thick direct laminate on top of specially developed substrate core (high density fibre board) of plank size as per manufacturer's specifications having smart lock, joint tongue and groove construction including to of skirting should be sealed with 4mm thick teak wood lipping. The under layer has to be a 0.02mm thick alkali resistant polythyene sheet of density 920-935 Kg per Cum with a 1.5mm thick extructed polythylene foam of density 30-32 Kg per Cum on top to secure the floor. The work shall be carried out as per manufacturer's installation procedure and as per direction of Engineer-In-Charge.	50.00	sqm	2553.40	127670.00
117	Providing and fixing G. I. tank Nipple for tank with rubber washer for Unik making connection etc. complete. (a) 20 mm dia.	5.00	each	135.55	678.00
118	Providing and fixing of C.P. brass over head Shower 300x300 mm, with long shower arm and wall flange of (Model OHS-1639 of Jaquar or equivalent) make as per direction of Engineer-in-charge.	4.00	each	9875.40	39502.00
119	Providing and Fixing C P brass Sink Mixer with flange (Brand model LYR-CHR-38309 of Jaquar or equivalent) make as per direction of Engineer-in-charge.	2.00	each	5168.10	10336.00
120	Providing and Fixing C.P. brass Wash Basin Single Lever Basin mixer without Popup Waste System with 450mm long braided Hoses and flange (Brand model FLR-5001B of jaquar or equivalent) make as per direction of Engineer-in-charge.	4.00	each	4420.25	17681.00
121	Providing and Fixing C.P. brass Wash Basin Single Lever Tall Boy with 150mm Extension Body Fixed Spout Without Popup Waste System with 600mm long braided Hoses and flange (Brand model FLR-15005BPM of jaquar or equivalent) make as per direction of Engineer-in-charge.	4.00	each	6575.85	26303.00
122	Providing and Fixing C.P. brass Health Faucet including 1 metre long easy flexible tube in chrome finish and wall hook (Model No. ALD - CHR-565 of Jaquar or equivalent) make as per direction of Engineer-in-charge.	6.00	each	1275.00	7650.00
123	Providing and Fixing C.P. brass Towel Rail 600 mm long (Model No. ACN-CHR-1111BSM) of Jaquar or equivalent) make with PVC sleeves, C.P. brass screws, concealed fittings arrangement etc complet as per direction of Engineer-in-charge.	4.00	each	1824.15	7297.00

124	Providing and Fixing C.P.brass Towel Ring Brand (model ACN-CHR-1121BN of Jaquar or equivalent) make as per direction of Engineer-in-charge.	4.00	each	1163.55	4654.00
125	Providing and fixing C.P. brass Single Lever Wall Mixer with provision of over head shower Complete with 115 mm long Bend pipe, Connecting Legs & Wall flange (Without Hand & Overhead Shower) (model KUP-CHR-35117PM of Jaquar or equivalent) make as per direction of Engineer-in-charge.	4.00	each	11458.95	45836.00
126	Providing and fixing Stainless Steel 304 Grade Golden Classic Jali Round Floor Drain with Cockroach Trap, 100 mm dia, suitable for 100 mm dia waste pipe, of Lipikia make or equivalent approved make, complete with all necessary fittings and fixing arrangements, as per the directions of the Engineer-in-Charge.	21.00	each	414.30	8700.00
127	Providing and fixing C.P. Brass Soap Dish (Model No. ACN-CHR-1131N of Jaguar or equivalent) make with necessary fittings etc. complete as per direction of Engineer-in-charge.	4.00	each	769.10	3076.00
128	Providing and Fixing C.P. brass angular stop cock with wall flange/angle valve (Model OPP-CHR-15053PM) of Jaquar or equivalent) make as per direction of Engineer-in-charge.	37.00	each	1290.15	47736.00
129	Providing and Fixing C.P. brass bib cock with wall flange (Model KUP-CHR-35037PM of Jaquar or equivalent) make as per direction of Engineer-in-charge.	7.00	each	2367.95	16576.00
130	Providing and Fixing C.P. brass long body bib cock with wall flange (Model COP-CHR-107NPM of Jaquar or equivalent) make as per direction of Engineer-in-charge.	2.00	each	1803.40	3607.00
131	Providing and fixing Acrylic corner glass shelf Model No.ACN-CHR-1173 (Jaguar or equivalent) with brackets and screws complete as per direction of Engineer-in-charge.	4.00	each	1530.80	6123.00
132	Providing and Fixing C.P. brass Towel Rack 600mm Long with Lower Hangers, Stainless Steel (Model No. ACN-CHR-1181S of Jaquar or equivalent) make as per direction of Engineer-in-charge.	4.00	each	3232.60	12930.00
133	Providing and fixing Stainless steel spare Toilet Roll Holder continental Series CAT No. ACN-CHR-1155S of JAQUAR make or equivalent as approved by Engineer-in-Charge.	6.00	each	659.10	3955.00
134	Providing and fixing Bottle Trap 32mm Size with 250mm &190mm Long wall connection pipes & wall flange CAT No. ALD-CHR-769L250X190 of JAQUAR make or equivalent as approved by Engineer-in-Charge.	4.00	each	1846.90	7388.00

135	Providing and Fixing wash basin Thin Rim Table Top Basin, Shape- Rectangular, Size: 530x420x140 mm with Click Clack Waste 32mm Size Full Thread with 130mm Height (Model No. JDS-WHT-25907N +ALD-727L130 of Jaquar or equivalent) make as per direction of Engineer-in-charge.	4.00	each	7389.90	29560.00
136	Providing and fixing Stainless Steel Jayna Handmade Square Double Bowl Kitchen Sink (Model: JNS 3718 DB, Size: 37" x 18" x 9"), made of AISI-304 grade stainless steel, 1.0 mm thick with satin finish or equivalent make, complete with C.I. brackets and 40 mm stainless steel plug, including painting of fittings and brackets, cutting and making good the walls wherever required, all complete as per the direction of the Engineer-in-Charge.	1.00	each	18417.85	18418.00
137	Providing and fixing S.S. sliding door bolts of Harrison make or Equivalent of code (0822) with necessary screws etc. complete and as per direction of Engineer-in-charge.				
137.1	300x10 mm	15.00	each	421.05	6316.00
138	Providing and fixing S.S. tower bolts of Harrison make or Equivalent of code DH-282 with necessary screws etc. complete and as per dorection of Engineer-in-charge.				
138.1	250x10 mm	15.00	each	301.25	4519.00
139	Providing and fixing S.S. tower bolts of Harrison make or Equivalent of product with necessary screws etc. complete and as per direction of Engineer-in-charge. A) 200 x 10 mm.	10.00	each	343.00	3430.00
140	Providing and fixing S.S. tower bolts of Harrison make or Equivalent of product with necessary screws etc. complete and as per direction of Engineer-in-charge. A) 150 x 10 mm.	5.00	each	253.00	1265.00
141	Providing and fixing S.S. Handles of Harrison make or Equivalent of code DH-305(0768) with necessary screws etc. complete and as per dorection of Engineer-in-charge.				
141.1	125 mm	20.00	each	70.20	1404.00
141.2	150 mm	10.00	each	77.25	773.00
142	Providing and fixing single lever Exposed Parts Kit of diverter Consisting of Operating Lever, Cartidge Sleeve, Wall Flange (With Seals) & Button Assembly Sleeve & Button of approved make etc. all complete as per direction of Engineer-in-charge. Make Jaquar Model No. FUP-CHR-29065MKPM or equivalent in cost & specifications of approved make.	4.00	each	2106.70	8427.00

143	Providing and fixing brass concealed body for single lever diverter 35 mm cartridge with button assembly (Button on top) but without exposed part of approved make etc. all complete as per direction of Engineer-in-charge. Make Jaquar Cat.-ALD-055N or equivalent in cost & specifications of approved make.	4.00	each	2722.55	10890.00
144	Providing and fixing Bath Tub Spout with Button Attachement for Hand Shower with Wall Flange of approved make etc. all complete as per direction of Engineer-in-charge. Make Jaquar SPJ-CHR-35463PM or equivalent in cost & specifications of approved make.	4.00	each	2920.50	11682.00
145	Providing and fixing Stainless Steel Round Flat Cut Drain Jali of 125 mm diameter with or without hole , Ruhe or approved make, of approved design, complete in all respects as per the direction of Engineer-in-Charge.	5.00	each	187.05	935.00
146	Providing and Fixing Vanity of Size 810x470 mm of Toyo Model No.52007-F (32") brown or wooden brown or any other colour/design Model No. G-8045 or equivalant make as per direction of Engineer-in-charge.	1.00	each	29073.65	29074.00
147	Providing and fixing ready made innotech/tandem based Modular kitchen basket set and accessories such as right angle basket (Plain Cup & Saucer, plant, Partition, Bottle rack, Thali, Cutlery) kitchen utensil basket, Dinner set basket, kitchen grain basket, Multipurpose basket as per site requirement including finishing (wherever required) and fittings. The same shall be fixed with necessary stainless steel nuts & bolts, Stainless Steel screws & telescopic channel etc. as per direction of Engineer-in-charge. (For payment purpose only weight of Stainless steel basket shall be considered excluding weight of all fixing accessories such as nuts, bolts, fasteners telescopic basket channels etc. Payment of providing and fixing telescopic channel shall be paid separately).				
147.1	100 mm basket	5.00	each	5205.20	26026.00
147.2	150 mm basket	5.00	each	6035.75	30179.00
147.3	200 mm basket	5.00	each	6451.05	32255.00
147.4	PVC cutlery basket	2.00	each	3128.75	6258.00
147.5	Plate partition	2.00	each	3405.65	6811.00
147.6	Bottle basket	1.00	each	2575.05	2575.00

148	Providing and fixing 18 mm thick one side lamination Boilo Board of approved make (Action TESA or equivalent) for kitchen cabinets, including cutting, edge finishing, necessary screws, fittings, adhesives, and all incidental works complete, as per the direction of the Engineer-in-Charge.	80.00	sqm	2914.70	233176.00
149	Providing and fixing 18 mm thick both side lamination Boilo Board of approved make (Action TESA or equivalent) for kitchen cabinets, including cutting, edge finishing, necessary screws, fittings, adhesives, and all incidental works complete, as per the direction of the Engineer-in-Charge.	150.00	sqm	3289.15	493373.00
150	Providing and fixing Harrison Mortise Lock / Handle Lock Set (S-99) in Stainless steel antique finish with 8" (200 mm) lock body, conforming to HSN Code 83024110 (Code 29538), of approved make and quality, complete with necessary screws, fasteners, and all fittings, including cutting and making good the door wherever required, as per the direction of Engineer-in-charge.	18.00	each	2548.80	45878.00
151	Providing and applying plaster of paris (POP) cornice work at the edge of wall with material of approved make as per direction of Engineer-in-charge.	50.00	metre	238.45	11923.00
152	Providing and laying Full body Vitrified Parking floor tiles of size 600x600 mm of thickness 15-16mm, of 1st quality conforming to IS : 15622:2017, of Model **Maxxus Kobble Taupe & Pavers** Taupe of Kajaria or equivalent make, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @3.3 kg/ sq.m including pointing the joints with white cement andmatching pigments etc., complete.	150.00	Sqm	1530.80	229620.00
153	Credit for dismantled unserviceable material received from dismantling which shall be the property of contractor and shall be handed over to him after duly measured/ weighed for disposal at his own level(Nothing extra shall be paid on account of dismantling etc.).				
153.1	Wooden window shutter	20.00	each	-400.00	-8000.00
153.2	Wooden doors shutters	15.00	each	-500.00	-7500.00
153.3	Door/window chowkhats	40.00	each	-500.00	-20000.00
153.4	G.I/M.S./SCI sections	50.00	kg	-30.00	-1500.00
153.5	Brass / C.P. brass fittings	5.00	kg	-350.00	-1750.00
153.6	Plastic items such as PVC cisterns, bib cocks, stop cock etc.	5.00	kg	-20.00	-100.00
153.7	Aluminium items such as handles, tower bolts etc.	10.00	kg	-150.00	-1500.00
				Total (B)	**1816765.00**
				Total (A+B)	**11251085.00**

Note: In case of overall percentage rates quoted by Agency is below the schedule of rates, such below percentage shall not apply on the item at S. No. 153.1 to 153.7 However in case quoted overall percentage is above the schedule of rates, such percentage shall also be applied on these items.

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE(Admn.) AE(E)(P)

Annexure-B

Schdule of Quantity (E&M Works)

Name of Work:- Upgradation of GPRA C-1/17 (Type VI-B), Humayun Road under Service Centre No. 210, 'N' Division, CPWD, New Delhi during 2026-27. (SH: Renovation work in kitchen, toilets and all rooms of the above technically occupied quarters and E&M Works).

S.No.	Description of Item	Qty	Unit	Rate	Amount
	SH-I (Internal EI)				
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
1.1	Group A	10	Point	1189.00	11890.00
1.2	Group B	20	Point	1362.00	27240.00
2	Rewiring for light pt. / fan pt. / exhaust fan pt. / call bell pt. with 1.5 sq mm FRLS PVC insulated copper conductor single core cable and 1.5 sq mm FRLS PVC insulated copper conductor single core cable as earth wire in existing surface / recessed steel /PVC conduit i/c dismantling etc as reqd.				
2.1	Group A	10	Point	687.00	6870.00
2.2	Group B	50	Point	752.00	37600.00
3	Rewiring for twin control light pt. with 1.5 sq mm FRLS PVC insulated copper conductor single core cable and 1.5 sq mm FRLS PVC insulated copper conductor single core cable as earth wire in existing surface / recessed steel / PVC conduiti/c dismantling etc as reqd.	6	Point	1064.00	6384.00
4	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface / recessed steel /PVC conduit as reqd.	50	Mtr.	54.00	2700.00
5	Supplying and fixing call bell/buzzer suitable for single phase,230 volts, complete as reqd.	3	No	112.00	336.00
6	Supplying & Drawing of following size of FRLS PVC insulated copper conductor, single core cable in the existing surface / recess steel / PVC conduit as reqd.				
6.1	3 x 1.5 sq mm	150	Mtr.	104.00	15600.00
6.2	3 x 4 sq mm	350	Mtr.	222.00	77700.00
6.3	3 x 6 sq mm	100	Mtr.	326.00	32600.00
6.4	6 x 1.5 sq mm	50	Mtr.	195.00	9750.00
6.5	6 x 4 sq mm	100	Mtr.	424.00	42400.00

7	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
7.1	20 mm	50	Mtr.	151.00	7550.00
7.2	25 mm	100	Mtr.	168.00	16800.00
8	Supplying and fixing of following modular switch, socket & accessories on the existing modular plate and switch box including connections but excluding modular plate etc. as reqd.				
8.1	5/6 amps switch	100	No.	121.00	12100.00
8.2	2 way 5/6 amps switch	8	No.	168.00	1344.00
8.3	15/16 amps switch	60	No.	176.00	10560.00
8.4	3 pin 5/6 amp socket outlet	40	No.	136.00	5440.00
8.5	6 pin 15/16 amp socket outlet	70	No.	219.00	15330.00
8.6	Telephone socket outlet	3	No.	168.00	504.00
8.7	Bell push	3	No.	159.00	477.00
8.8	TV Antenna Socket Outlet	3	No.	168.00	504.00
8.9	Stepped type electronic fan regulator(2 module)	4	No.	402.00	1608.00
8.10	Blanking plate (modular)	20	No.	47.00	940.00
9	Supplying and fixing following size modular, GI box /PVC box alongwith modular base & cover plate for modular switches in recess etc as reqd.				
9.1	1 or 2 Module (75 mm x 75 mm)	15	No.	354.00	5310.00
9.2	3 module (75 mm x 100 mm)	10	No.	384.00	3840.00
9.3	4 Module (125 mm x 75 mm)	5	No.	401.00	2005.00
9.4	6 Module (200 mm x 75 mm)	15	No.	462.00	6930.00
9.5	8 Module (125 mm x 125 mm)	5	No.	517.00	2585.00
9.6	12 module (200mm x150mm)	5	No.	614.00	3070.00
10	Supplying and fixing following Modular base & cover plate on existing modular metal/PVC boxes etc. as required.				
10	1 or 2 Module	20	No.	156.00	3120.00
10.2	3 Module	10	No.	175.00	1750.00
10.3	4 Module	10	No.	182.00	1820.00
10.4	6 Module	20	No.	207.00	4140.00
10.5	8 Module	10	No.	238.00	2380.00
10.6	12 module	10	No.	301.00	3010.00
11	Supplying and fixing of 3 mm thickness of phenolic laminated sheet cover as required.	0.2	Sq. Mtr.	2,000.00	400.00
12	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	15	No.	545.00	8175.00

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE(Admn.) AE(E)(P)

13	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	15	No.	659.00	9885.00
14	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	15	No.	104.00	1560.00
15	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, Ics=100% Icu and Operational Voltage 690V etc. as required.				
15.1	100 A, 16 KA,TPMCCB	1	No.	4003.00	4003.00
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface / recess, complete with tinned copper busbar, neutral busbar, earth bar, din bar, interconnections, powder painted i/c earthing etc complete as reqd. (But without MCB/RCCB/Isolator).				
16.1	12 way,Double door	2	No.	2,871.00	5742.00
17	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required .(Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
17.1	8 way (4 + 24), Double door	2	No.	10,724.00	21448.00
18	Supplying and fixing of following rating / series 240 volts miniature circuit breaker/Isolator suitable for lighting and other loads / inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as reqd.				
18.1	5 to 32 amp Single Pole 'C' Series	68	No.	285.00	19380.00
18.2	63 Amp Double pole C- Series(Isolator)	2	No.	569.00	1138.00
19	Supplying and drawing of UTP 4 pair CAT6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit asrequired.				
19.1	1 run of cable	25	Mtr.	60.00	1500.00

20	Supplying, installation, Testing & Commissioning of LED surface mounted Batten light of following body material and construction as per IS : 10322 with driver (Replaceable) as per the requirement with Driver efficiency >85% ,Operating voltage AC 140-270 Volt, freq 50/60 hz, Operating temp range -15 deg to 40 deg centigrade, internal surge protection of 2.5 KV with Short & Open circuit protection ,THD < 10% , P. F.≥0.95, IP20, CRI >80, Flicker free, (flicker should be below 5 %), life time (LED,Driver & electrical circuitary), of minimum 50000 Burning Hours with , 70% of initial Lumen maintained till life ends, CCT 3000°K / 4000°K / 5700°K /6000°K/6500°K (As per ANSI Bin), SDCM(Standard Deviation Color Matching) <3, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard and trade mark certificate (T.C.). Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing.				
	complete in all respect i/c connections with 1.5 sq mm FRLS, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy ≥105 <120 lm/Watt output . LM79 & LM80 Test report from NABL lab for all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminum housing such that LED junction temperature shall not rise above 90°C). Powder coated die cast /Extruded aluminium Body (Thickness > =1.20 mm).				
20.1	18- 22 Watt	5	No.	681.00	3405.00
20.2	36 watt	20	No.	705.00	14100.00
21	Earthing with G.I. earth pipe 4.5 Meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal/ coke and salt) as required.	2	Set	5,958.00	11916.00
22	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing alongwith existing surface / recess conduit / submain wiring / cable as required.	200	Mtr.	50.00	10000.00
23	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering.				
23.1	Upto 35 sq. mm	100	Mtr.	253.00	25300.00

24	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required.				
24.1	Upto 35 sq. mm	150	Mtr.	47.00	7050.00
25	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required.				
25.1	Upto 35 sq. mm	25	Mtr.	36.00	900.00
26	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
26.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	100	Mtr.	64.00	6400.00
27	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.				
27.1	63 mm dia (OD-63 mm & ID-51 mm nominal)	150	Mtr.	289.00	43350.00
28	Supplying, installation, Testing & Commissioning of Flood Light, powder coated pressure die cast aluminum body with built in or separate driver as per the requirement with Driver efficiency >85%, Input voltage: Input voltage: 140-270 Volt AC, freq 50/60 hz, Operating temp range -15 deg to 50 deg centigrade, internal surge protection of 5 KV L,N,E as per IEC 61000-4- 5, Driver efficiency >85%,THD < 10% as per IEC 61000-3-2 , P. F.≥0.95, IP- 66,IK-10, CRI >80 , under voltage and over voltage protection, EMIEMC as per CISPR -15 , lenses for beam angle 30 deg-120deg as per the application and the project requirement deg., suitable tilt able fitting, life time (LED,Driver & electrical circuitary) of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends as per LM80 extrapolation IES TM-21-11 report, CCT 3000°K / 4000°K / 5700°K /6000°K/6500°K (As per ANSI Bin),				

	SDCM(Standard Deviation Color Matching) <5, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard complete in all respect i/c connections with 1.5 sq mm FRLS, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy 105 <120 lm/Watt output . LM79 & LM80 Test report from NABL lab for all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in- Charge as per requirement. (Thermal management: heat sink of aluminum housing such that LED junction temperature shall not rise above 90°C).				
28.1	50 watt	4	No.	2009.00	8036.00
29	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.				
29.1	Group B	30	No.	885.00	26550.00
30	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.	6	Point	1803.00	10818.00
31	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit or cutting the wall and making good the same in case of recessed conduit as required.				
31.1	20 mm	100	Mtr.	254.00	25400.00
31.2	25 mm	200	Mtr.	289.00	57800.00
32	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable in surface/ recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable etc. as required.				
32.1	Group B	50	Point	1684.00	84200.00
				Total SH-I	**792643.00**

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE(Admn.) AE(E)(P)

	SH-II (Fittings & External Works)				
33	Supply, Installation, Testing and Commissioning of ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. metal(Aluminium alloy) blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, steel/Al body. Power Factor not less than 0.9, Service Value (CM/M/W) minimum as below, 350 RPM (tolerance as per IS : 374-2019), THD (Total Harmonic Distortion) less than 10%, remote (preferably mobile app based) for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC supply Ceiling Fan compliant to IS 374:2019 fan i/c external connections with 1.5 sq.mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required.				
33.1	1200mm, service value ≥ 6.0 CM/Min/Watt, air delivery 210 CM/Min (Minimum)	7	Each	2882.00	20174.00
33.2	1400mm, service value ≥ 6.0 CM/Min/Watt, air delivery 245 CM/Min (Minimum)	7	Each	2913.00	20391.00
34	SITC of 1200 mm sweep, BEE 1 star rated, ceiling fan 3 nos, blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Service Value (CMM/W) minimum 2.88. Air delivery minimum 225 Cu M/Min., and all remaining accessories including safety pin, nut bolts, washers, suitable for 230 V, 50 Hz, single phase AC supply, earthing etc. complete as required.	2	No.	1594.00	3188.00
35	SITC of 250 mm sweep ventilation fan (plastic body) complete with all accessories suitable for single phase 220-240V, 50Hz AC supply 1250-1350 R.P.M., Air delivery minimum 800 Cu M/hr., with louvers suitable for operation complete etc. as reqd.	5	No.	1570.00	7850.00
36	SITC of 300 mm sweep Exhaust fan, 900-1400 RPM min., Iron metal body with goodbye oil dust lacquer coated on the blades, Min. Air Delivery 1600 Cu M/hr. suitable for single phase 230V, 50Hz AC supply complete with frame for exhaust fan etc. as required.	1	No.	1947.00	1947.00
37	SITC of decorative wall light fittings with following arm Base & arm made up of aluminium casting in antique colour with brass lamp holder and decorative frosted type glass diffuser suitable for 9 W LED Lamp i/c P/F decorative type plastic tee cover to cover the back side of the fitting i/c P/F of 1No. 9 W LED lamp for each headed complete with connection etc. complete as reqd.				

37.1	Single Headed	15	Each	911.00	13665.00
37.2	Double Headed	10	Each	1,458.00	14580.00
38	SITC of following modular switch, socket & accessories on the existing modular plate and switch box including connections but excluding modular plate etc. as reqd.				
38.1	32 Amp DP switch with indicator - 2M	10	No.	457.00	4570.00
39	SITC of Mirror Light fitting with 10 Watt LED with color temprature 3000-6500 K having efficacy not less than 100lm/watt with all accessories i/c. connection testing etc complete as reqd.	5	No.	388.00	1940.00
40	Supplying, Installation, Testing and commissioning of convertable 3-in-1 LED Batten Light, made with metal, 100lm/watt, High-Quality Housing fitting with electronic driver having higher efficacy, i/c connection, testing etc. complete as reqd.				
40.1	20 watt	20	No.	458.00	9160.00
41	SITC of LED bulk head fittings of pressure die cast aluminium housing and having lumen output not less than 1000 lumen, IP 65, IK09 impact resistance, CRI>80, temperature 3000-6500K, Operating voltage 230V, 50Hz, Pf ≥ 0.95, protection, i/c connection, testing etc as reqd.	10	No.	662.00	6620.00
42	SITC of 400 mm sweep Wall fan suitable for operation on single phase 230 volt, 50 Hz AC supply, Air delivery (min.) 85 Cu M/Min., Min. with all accessories etc. complete as reqd.	3	No.	2903.00	8709.00
43	S & F following rating /series 415/240 volts miniature circuit breaker suitable for lighting and other loads / inductive load of following poles in the existing MCB DB completewith connections, testing and commissioningetc, as req.				
43.1	63 Amp TPN MCB	1	No.	1,899.00	1899.00
44	SITC of LED Post-top light of System wattage 35-40W, made up Die-cast aluminum spigot for mounting LED driver and spun aluminum canopy, IP65 protection. Powered by built-in potted LED driver with 10KV SPD, colour temperature 3000-6500K. with complete all accessories etc as required with connections.	14	No.	4635.00	64890.00
45	Supplying & fixing of 50 mm dia, 0.5 m long G.I. Pipe for fixing of gate light i/c cutting & painting the pillar and making good the same etc as reqd. (Light class ISI Mark)	4	Each	487.00	1948.00
46	SITC of SMC box of size 300 x 200 x 105 mm on the existing G.I.Pipe pole with clamp and locking arrangement i/c P/F 1 no. SP MCB 10 Amp 'B' series and 2 nos. 4 way 30 Amp brass neutral link with bakelite base i/c connection , testing & earthing the base etc as reqd.	4	No.	1,472.00	5888.00

47	SITCof 2.5Mtr. decorative mild steel galvanized t ubular pole having different profile. Bottom profil e 500X114X4.0mm and top profile 2000X75X3.2 mm with cast aluminum embellishment E3. The P ole has service window with connector and SPMC B for loop-in and loop-out arrangement. The pole is primer coated and PU painted. Pole has a suitab le for LED's post top fixture.	10	Each	9,599.00	95990.00
48	SITC of 9-12 Watt picture light on the existing wall surface, CRCA sheet base, stainless steel body and base housing, CRCA sheet back plate including connection testing complete etc. as required.	2	No.	2452.00	4904.00
49	SITC of 10 watt outdoor type LED, wall mounted twin shade up and down luminaire having powder coated aluminium housing and IP 65 protection with integrated electronic driver complete with connection testing and commissioning etc as required.	15	No.	2359.00	35385.00
50	Supplying, installation, testing & Commissioning of LED Bollard-light Dimensions of min. Height 800-900 mm of System wattage 9-11W, made out of aluminum extruded with pure polyester powder coated black, aluminum heat sink, i/c. 2Nos. of 9W LED bulb, IP65 protection , CCT /3000K-6500K with average life of 50000 buring hours with L70 criteria & BIS approved i/c foundation bolt, complete with all accessories as required i/c making of suitable RCC foundation of 1 : 3 : 6 (1 cement : 3 Coarse : 6 graded stone) aggregate 40mm. (NS) with necessary Nuts & Bolts for fixing above fitting i/c connection, testing, commissioning complete etc. as reqd. **(as per direction of Engineer-incharge) (Make- Hi-Lite- HL-140 or equivalent in Twinkle Lite - FLORA-P/ Lustre - Li-8113)**	20	No.	4078.00	81560.00
51	Providing & fixing light pole foundation 1:3:6 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 40 mm nominal size derived from natural sources) with 6x150 mm threaded nut and bolt including suttering frame, earth excavation & Filling, base plate of minimum 10mm thickness i/c making of CC foundation (1:3:6) with suitable profile having with suitable provision of cable entry etc. complete as reqd. etc. as required. (as per direction of Engineer-in-charge.)	0.50	cum	8637.00	4318.50
52	SITC of following ventilation fan (plastic body) 6" dia (150mm) round shape complete with all accessories suitable for 220V AC supply 2000 R.P.M. with louvers suitable for operation on single phase 220-240 volt, 50 Hz AC supply, Min. Air Delivery 260 Cu M/Min. complete etc. as reqd.	3	No.	1366.00	4098.00

53	SITC of 1400 mm sweep, BEE 1 star rated, ceiling fan 3 nos, blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Service Value (CMM/W) minimum 4.0. Air delivery minimum 200 Cu M/Min., and all remaining accessories including safety pin, nut bolts, washers, suitable for single phase 230 V, 50 Hz, AC supply, earthing etc. complete as required.	2	No.	1849.00	3698.00
				SH-II Total	**417372.50**
54	**SH:- III (Credit for old dismantle materials as follows i/c dismantling charges etc. complete as reqd.)**				
54.1	5/6 amp switch/ socket/ bell push/ 2 way switch (assorted)	111	No.	1.00	111.00
54.2	15/16 amp switch/ socket (assorted)	100	No.	1.00	100.00
54.3	MCB DB (assorted)/ SP MCB's	4	No.	100.00	400.00
54.4	PVC insulated wire (assorted size)	30	P/kg	700.00	21000.00
54.5	LED Batten / Mirror light fittings	15	No.	25.00	375.00
54.6	Exhaust fan/ventilation fan	6	No.	250.00	1500.00
54.7	Ceiling Fan	14	No.	375.00	5250.00
54.8	Bulkhead / Wall bracket type fittings (assorted)	10	No.	5.00	50.00
54.9	G.I. Box (assorted size)	25	P/kg	5.00	125.00
54.10	Call Bell	3	No.	1.00	3.00
54.11	Fan regulator	4	No.	1.00	4.00
54.12	Flood Light/Posttop	18	No.	100.00	1800.00
54.13	Garden light/bollard	20	No.	500.00	10000.00
				SH-III Total	**40718.00**
				Total Amount - (SH=I+II-III)	**1169298.00**

Note: In case of overall percentage rates quoted by Agency is below the schedule of rates, such below percentage shall not apply on the item at S. No. 54.1 to 54.13 However in case quoted overall percentage is above the schedule of rates, such percentage shall also be applied on these items.

FINANCIAL BID

(Performa for Quoting the Rates)

CENTRAL PUBLIC WORKS DEPARTMENT

NITNO. (/SE/DC-1/N-Divn./2026-27)**

Name of work:- Upgradation of GPRA C-1/17 (Type VI-B), Humayun Road under Service Centre No. 210, 'N' Division, CPWD, New Delhi during 2026-27. (SH: Renovation work in kitchen, toilets and all rooms of the above technically occupied quarters and E&M Works).

SCHEDULEOFQUANTITY

S. No.	Name of Components	Estimated Cost (Rs.)	Percentage above or below on the Estimated Cost	%age in Figures	Total Cost (Rs.)
1	Civil work	1,12,51,085/-			
2	E&M work	11,69,298/-			
	Total	**1,24,20,383/-**			

Contractor

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