GOVERNMENT OF INDIA

CENTRAL PUBLIC WORKS DEPARTMENT

TENDER DOCUMENT

Name of Work: Special Repair of back lane in C&D chummeries quarters under 1/T, Sub Division at Lodhi Colony, New Delhi during 2026-27.

Estimated Cost	:	Rs. 28,51,660/-
Earnest Money	:	Rs. 57,033/-
Security Deposit	:	@ 2.5% of Tendered value
Completion Period	:	02 Months
NIT No.	:	47/EE/T-Divn/2026-27
Last date for Submission of Bid Document	:	**Upto 03:00 pm on 12.11.2026**

Certified that this composite NIT contains from Page **1** to Page **62**

Executive Engineer
T-Division

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

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

(Applicable for inviting open bids)

The Executive Engineer, T-Division, CPWD, R.K. Puram, New Delhi, on behalf of the President of India invites online bids from the eligible contractors of CPWD in for the following work: -

S. No.	NIT NO.	Name of work and location	Estimated cost put to bid	Earnest Money	Period of Completion	Last date & time of submission of bid, original EMD, copy of receipt or deposition of original EMD and other Document as specified in the bid document	Time & date of opening of tender
1	2	3	4	5	6	7	8
1	47/EE/T-Divn/2026-27	Special Repair of back lane in C&D chummeries quarters under I/T, Sub Division at Lodhi Colony, New Delhi during 2026-27.	*Rs. 28,51,660/-*	**Rs. 57,033/-**	***02 Months***	**Up to 12-11-2026 at 15:00 Hrs**	**At 12-11-2026 at 15:30 Hrs**

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 documents can be seen and downloaded from website **https://etender.cpwd.gov.in/** **f**ree of cost.
4. But the bid can only be submitted after **depositing of original EMD either in the office of Executive Engineer inviting tender or division office of any Executive Engineer, CPWD within the period of tenders submission and** *uploading the mandatory scanned documents such as Demand Draft or Pay order or Banker`s Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any Scheduled Bank towards EMD in favour of Executive Engineer* **as mentioned in NIT, receipt for deposition of original EMD to division office of any Executive Engineer** *(including NIT issuing EE/AE)***, CPWD** and other documents as specified.
5. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
6. The intending bidder must have valid class-III digital signature to submit the bid.

7. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
8. Contractor can upload documents in the form of JPG format and PDF format.
9. Contractor must ensure to quote rate in the prescribed column(s) meant for quoting rate in figures appears in pink colour and the moment rate is entered, it turns sky blue.
   In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).
   However, If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
10. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
11. **The enlisted contractor will not be allowed to participate in tendering process without uploading the certificate of ERP training issued through LMS (Learning Management System) in ERP.**
12. **List of Documents to** be **filled in by the bidders in various forms, to be scanned and uploaded within the period of bid submission:**

1	Enlistment Order of the Contractor of CPWD in appropriate class.
2	Treasury challan /Demand draft/Pay order or Banker's Cheque/ Deposit at Call Receipt/Fixed Deposit Receipt of a Scheduled Bank/ Bank Guarantee of any Scheduled Bank against EMD
3	Copy of receipt for deposition of original EMD issued to division office of any Executive Engineer (i/c NIT issuing EE/AE), CPWD.
4	GST Registration Certificate of the State in which the work is to be taken up, if already obtained by the bidder. If the bidder has not obtained GST registration in the State in which the work is to be taken up, or as required by GST authorities then in such a case the bidder shall scan and upload following under taking along with other bid documents. "lf work is awarded to me, I/we shall obtain GST registration Certificate of the State, in which work is to be taken up, within one month from the date of receipt of award letter or before release of any payment by CPWD, whichever is earlier, failing which I/We shall be responsible for any delay in payments which will be due towards me/us on a/c of the work executed and/or for any action taken by CPWD or GST department in this regard.
5	Certificate of ERP Training through any of the CPWD Regional Training Institutes (RTIs) or through the National CPWD Academy (NCA), Ghaziabad or through any other special training arranged by ERP unit at CPWD Head Quarter.
6	Undertaking by contractor on his Letter-Head in the follwing format with date & signature: "Name of work:- Special Repair of back lane in C&D chummeries quarters under 1/T, Sub Division at Lodhi Colony, New Delhi during 2026-27. NIT No – 47/EE/T-Divn/2026-27. I/We Declare that, I/We have not been Debarred/Blacklisted/Suspended for tendering in CPWD till the last date of submission of bid."
7	E-mail address and Contact Number.

Note: **No cutting/over writing shall be allowed in Treasury Challan/Demand, Draft/Pay order of Banker's Cheque/ Deposit at Receipt /Bank Guarantee of any scheduled Bank. If found so, their bid will be rejected.**

CPWD-6 FOR e-Tendering

Percentage rate bid are invites on behalf of President of India from the eligible contractors of CPWD in for the following work: -**" Special Repair of back lane in C&D chummeries quarters under 1/T, Sub Division at Lodhi Colony, New Delhi during 2026-27."**

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

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

1. The work is estimated to cost ***Rs. 28,51,660/-***

   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.** Bidders shall quote his rates i/c GST and other applicable taxes. as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **02 Months** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. The site for the work shall be made available as per schedule of handing over of site refer clause 5 of schedule 'F'
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website **https://etender.cpwd.gov.in free of cost.**
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
8. The bid is invited in single bid system.
9. Earnest Money in the form of Treasury Challan or Demand Draft or Pay order or Banker's Cheque or Deposit at Call Receipt or Fixed Deposit Receipt (drawn in favour of **Executive Engineer, T-Division, CPWD, New Delhi**) shall be scanned and uploaded to the e-Tendering website within the period of bid submission. The original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.
   A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any scheduled bank having validity for six months or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

Copy of Enlistment Order and certificate of work experience and other documents as specified in the press notice shall be scanned and uploaded to the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder only along with physical EMD of the scanned copy of EMD uploaded 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.

9A. *The contractors registered prior to 01-04-2017 on e-tendering portal of CPWD shall have to deposit tender processing fee at existing rates, or they have option to switch over to the new registration system without tender processing fee any time.*

***The bid submitted shall be opened at 15:30 Hrs on* 12-11-2026**

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

(i) The bidder is found ineligible.

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

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

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

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

12. Description of the work is as follows:

"Special Repair of back lane in C&D chummeries quarters under 1/T, Sub Division at Lodhi Colony, New Delhi during 2026-27.**"**

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

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

14. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.

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

16. The contractor shall not be permitted to bid for works in the CPWD Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

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

18. **The bid for the works shall remain open for acceptance for a period of Thirty days (30) days from the date of opening of bids.** If any bidders withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, shall be suspended for one year and

shall not be eligible to bid for CPWD tenders from date of issue of suspension order. Further the bidders shall not be allowed to participate in the rebidding process of the work.

19. *This notice inviting Bid shall form a part of the contract document. The successful bidders/contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-*

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

(b) Standard **C.P.W.D. Form 7** or other Standard C.P.W.D. Form as applicable.

20. The intending bidders are required to update their profile in CPWD e-tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/ uploading tender can be resolved through the concerned Executive Engineer/Assistant Engineer (Phone Number – 011-20862390, e-mail id – deleet.cpwd@nic.in) or ERP help line no. 18001803286 or e-mail id cpwd.support@techmahindra.com. The e-tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.

21. Before taking up demolition work, contractor has to arrange materials in advance and thereafter permission for dismantling/demolition work will be given.

22. The contractor will have to store material at a designated place in the Campus away from work site and thereafter bring material to work site as per requirement.

23. The malba/building rubbish will be cleared immediately from working site. The Contractor is to quote his rates accordingly. Noting extra will be paid on this account.

CPWD-7

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

PERCENTAGE RATE TENDER & CONTRACT FOR WORKS

A Tender for the work of: Special Repair of back lane in C&D chummeries quarters under 1/T, Sub Division at Lodhi Colony, New Delhi during 2026-27.

(i) To be uploaded by **12-11-2026 at 15:00 Hrs.** www.tenderwizard.com/CPWD

(ii) To be opened in presence of tenderers who may be present at **15:30 Hrs on 12-11-2026** in the office of ***Executive Engineer, T-DIVN, CPWD, 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 document for the work.

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

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

A copy of earnest money in receipt treasury challan/deposit at call receipt of a scheduled bank/fixed deposit receipt of scheduled bank/demand draft of a scheduled bank/bank guarantee issued by a scheduled bank is scanned and uploaded **(strike out as the case may be)**. If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said 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 of forfeiture of Earnest Money or Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

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

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

Dated

Signature of Contractor

Witness:

Postal Address

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 ` …….. (Rupees …… ……).

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

(a)

(b)

(c)

For & on behalf of President of India

Signature ……

Dated: Designation …….

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

On non-judicial stamp paper of minimum Rs. 100

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

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

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

OR**

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

2. We, ... (indicate the name of the bank)…….. (herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs,...,.....,..... (Rupees …..... only) on demand by the Government within 10 days of the demand.
3. We, ... (indicate the name of the Bank)…….., do 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 .....on|y)
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 rerating 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 of 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 or demand by the Government. Notwithstanding anything mentioned above, our liabilities under this guarantee is restricted to Rs…….(Rupees…….only) and unless a claim in writng is lodged with is within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

.

Date……..

Witnesses:

1. Signature.....

   Name and address

   Authorized signatory
   Name
   Designation
   Staff code no.
   Bank seal

2. Signature.....

   Name and address

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

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

RECEIPT OF DEPOSITION OF ORIGINAL EMD

(Receipt No. …… / date ……)

Name of Work : Special Repair of back lane in C&D chummeries quarters under 1/T, Sub Division at Lodhi Colony, New Delhi during 2026-27.

1. NIT No. : 47/EE/T-Divn/2026-27

2. Estimated Cost: **Rs. 28,51,660/-**

3. Amount of Earnest Money Deposit: **Rs. 57,033/-**

4. Last date & Time of submission of Bid : **12-11-2026 15:00 Hrs**

Name of Contractor : ……..

1. Form of EMD ……..

2. Amount of Earnest Money Deposit ……..

3. Date of submission of EMD ……

……

Signature, Name and Designation of EMD
receiving officer (EE/AE(P)/AE/AAO) alongwith Officer stamp

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

PROFORMA OF SCHEDULES (A to F)

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

SCHEDULE 'A'
Schedule of quantities (Attached Page No 59-62)

SCHEDULE 'D'
Extra schedule for specific requirements/document for the work, if any. **Not Applicable**

SCHEDULE 'E'
Reference to General Conditions of contract – General Conditions of Contract 2023 (Maintenance work) except Integrity Pact, for CPWD Works with amendments issued upto last day of online receipt of tender.

Name of Work: Special Repair of back lane in C&D chummeries quarters under 1/T, Sub Division at Lodhi Colony, New Delhi during 2026-27.	
Estimated cost of the work:	***Rs. 28,51,660/-***
Performance Guarantee	(a) 5% of tendered value or Estimated cost put to Tender (ECPT) (whichever is higher). (b) Where the tendered amount is less than 80% of the estimated cost put to tender(ECPT), the performance guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent(80%) of the ECPT and the tendered amount.
Security Deposit	2.5% (Two point Five Percent) of tendered value of the work

SCHEDULE 'F'
GENERAL RULES & DIRECTIONS:

Officer inviting tender	Executive Engineer, T-DIVN, CPWD, New Delhi
Maximum percentage of quantity of items of work to be executed beyond which rates are to be determined in accordance with Clause 12.2.& 12.3	As given under clause 12 of schedule 'F'.

Definitions:

2(v) **Engineer-in-Charge**

For Civil items of work	Executive Engineer, T-DIVN, CPWD, New Delhi or successor thereof.
For Electrical items of work	~~Executive Engineer (Elect.), Delhi Electrical Division - 41, CPWD, New Delhi or successor thereof.~~

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

2(viii)	Accepting Authority	Executive Engineer, T-DIVN, CPWD, R .K. Puram, New Delhi.
2(x)	Percentage on cost of materials and labour to cover all overheads and profits	15%
2(xi)	**Standard Schedule of Rates:**	
	Civil Items of Work:	D.S.R. 2023 with amendments issued upto last day of online receipt of tender
2(xii)	Department:	Central Public Works Department
9(ii)	Standard CPWD contract Form :	CPWD Form 7 modified & corrected /amended up to last day of online receipt of tender

Clause 1	i) Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance	05 Days
	ii) Maximum allowable extension **with late fee @ 0.1% per day of Performance Guarantee amount beyond the period as provided in (i) above**	02 Days

Clause 2	Authority for fixing Compensation under Clause 2	Superintending Engineer, Delhi Circle – 4, CPWD, East Block-1, Level-6, R.K. Puram, New Delhi Or successor thereof
Clause 2 A	Whether Clause 2A shall be applicable	No
Clause 5	Number of days from the date of issue of letter of acceptance for reckoning date of start	**07 (Seven)** Days or date of handing over of site whichever is later.

***Table of Milestones*: --** **Not Applicable**

S. No.	*Description of Milestone (Physical)*	*Time allowed in days (from date of start)*	*Amount to be with-held in case of non achievement of mile stone*
N/A			

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

Authority to decide	
(i) Extension of time	Superintending Engineer, DC-IV, CPWD, R.K.Puram, New Delhi.
(ii) Rescheduling of mile stone	Superintending Engineer, DC-IV, CPWD, R.K.Puram, New Delhi.
(iii) Shifting of date of start in case of delay in handing over of site	Superintending Engineer, DC-IV, CPWD, R.K.Puram, New Delhi

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

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	100%, The work is to be carried out in quarters, as per the direction of Engineer-in-charge.	02 Months
Part B	Portion with encumbrances		
Part C	Portion dependent on work of other agencies	-	-

Clause 5

Applicable clause 5/Clause 5A **Clause 5**

Clause 6 Mode of measurement

Computerized Measurement Book (CMB)/ Electronic Measurement Book (EMB) **Electronic Measurment Book (EMB)**

Measurement to be recorded either by contractor or jointly by department and contractor

Clause 7 Gross work to be done together with net payment/Adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment **15.00 Lac or Mutually agreed by Engineer-in-charge.**

Clause 7A Whether Clause 7A shall be applicable **Yes**

Clause 10A List of testing equipment to be provided by the contractor at site lab. **As required to carry out field tests mentioned in the specification for schedule items**

Clause 10 B(ii) Whether clause 10-B (ii) shall be applicable. **No**

Clause 10 C Component of labour expressed as percentage of value of work **Not Applicable**

Clause 10 CC Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column **Not Applicable**

Schedule of component of other Materials, Labour, POL etc. for price escalation	
Component of civil (except materials covered under clause 10 CA) construction Materials expressed as percent of total value of work – **Xm**	---
Component of Labour expressed as percent of total value of work - (Payment under this clause for this component is admissible when contractor submits proof of having paid wages due to every worker through bank of ECS or online transfer to his bank account).	----
Component of P.O.L. expressed as percent of total value of work – **Z**	-----

Clause-11 Specifications to be followed for execution of work.

For Civil items of work CPWD Specifications 2019 Vol. 1 and Vol. 2 with upto date correction /amended up to last day of online receipt of tender

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

~~**For Electrical items of work**~~ ~~As per electrical component~~

Clause 12:-

The completion cost shall, in no case, exceed 1.5 times the contract amount. Contractor will devise a system to keep a watch on quantum of work taken up vis-à-vis balance items required to complete defined scope of work and will give the alerts to Engineer-in-Charge before taking up extra item(s), deviation(s) so that completion cost does not exceed above limit. Work executed beyond above limit will neither be recorded not be paid. Engineer-in-Charge will verify and confirm the alerts before assigning deviation(s) and / or extra items(s) to the contractor. If additional work(s) is required to complete defined scope of work beyond above limit then Engineer-in-Charge may take up such work(s) separately. The contractor will not have any claim(s) whatsoever on this account. ***(AS per DG, CPWD New Delhi O.M. No.DG/CON/Maintenance 2023/03 dated 18.12.2023)***

Type of work : Maintenance work(s) are those work(s) which includes upgradation, Aesthetic improvement, special repair, addition/ alteration, annual repair, Comprehensive maintenance work etc.

Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for maintenance: No limit } **AS per DG, CPWD New Delhi O.M. No. DG/CON/313 Dated 17.02.2021**

Clause 16	**Competent Authority for Deciding reduced rates:**	
	For Civil items of work	**Superintending Engineer, Delhi Circle-4, CPWD, East Block-1, Level-6, R.K. Puram, New Delhi or successor thereof**
	~~**For Electrical items of work**~~	~~**Superintending Engineer, Delhi Circle-4, CPWD, East Block-1, Level-6, R.K. Puram, New Delhi or successor thereof**~~

Clause 18 *List of mandatory machinery, tools & plants to be deployed by the contractor at site.*
As per requirement at site.

Clause 19C	.. Authority to decide penalty for each default	:	Engineer-in-charge
Clause 19D	.. Authority to decide penalty for each default	:	Engineer-in-charge
Clause 19G	.. Authority to decide penalty for each default	:	Engineer-in-charge
Clause 19K	.. Authority to decide penalty for each default	:	Engineer-in-charge

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Clause 25

Conciliator	*Additional Director General (RD), CPWD, New Delhi.*
Arbitrator Appointing Authority	*Superintending Engineer, DC-4, CPWD, New Delhi.*
Place of Arbitration	*New Delhi*

Clause32

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

"Requirement of Technical Representative(s) and Recovery Rate

S.No.	*Minimum Qualification of Technical Representative*	*Discipline*	*Designation (Principal Technical/ representative)*	*Minimum experience*	*Number*	*Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 32*
.1	*Graduate Engineer or Diploma Engineer*	*Civil.*	*Project Engineer*	*2 Years Or 5 Years*	*1*	*Rs. 15,000/- Per Month*

Assistant Engineers retired from Government services who are holding Diploma will be treated at par with Graduate Engineers.

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

Clause 38

i)	a)	Schedule/ statement for determining theoretical quantity of cement & bitumen on the basis of	**D.S.R. 2023 with correction slips upto last date of submission of bid**
ii)		**Variations permissible on theoretical quantities**	
	a)	Cement	
		For works with estimated cost put to tender not more than Rs. 25 lakhs.	**3% plus/minus**
		For works with estimated cost put to tender is more than Rs. 25 lakhs	**2% plus/minus**
	b)	Bitumen all works	**2.5% plus only & nil on minus side.**
	c)	Steel reinforcement and structural steel Sections for diameter, section and category.	**2% plus/minus.**
	d)	All other materials	**Nil**

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

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

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)

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

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

NOTIFICATION

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 organisation or authority who generates construction and demolition waste such as building 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 of infrastructure including alteration in these entities,;

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

(d) **"de-construction"** means a planned selective demolition in which salvage, re-use and recycling of the demolished 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, nagarpalika, nagarnigam, nagarpanchayat, 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.

(4) 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, brick sand mortar and shall submit waste management plan and get appropriate approvals from the local authority before starting construction or demolition or remodelling 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 authorised 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 or drains.

(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.

(5) 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.

(6) 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 data base 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.

(7) Criteria for storage, processing or recycling facilities for construction and demolition waste and 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 selected as 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 State Pollution 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.**
(3) Application of materials made from construction and demolition waste in operation of sanitary land fill shall be as per the criteria given in **Schedule II.**

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

(1) 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 in **Form 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.

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

(1) 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.
(2) 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 waste.
(3) The Town and Country planning Department shall incorporate the site in the approved land use plan so that there is no disturbance to the processing facility on a long term basis.
(4) 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.

(10) 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 waste management;
(b) analyze and collate the data received from the State Pollution Control Boards or Pollution Control Committee to review these rules from time to time;
(c) coordinate with all the State Pollution Control Board and Pollution Control Committees for any matter related to 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.

(11) Duties of Bureau of Indian Standards and Indian Roads Congress -The Bureau of Indian Standards and Indian Roads 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 Road Congress shall be specific to the standards and practices pertaining to construction of roads.

(12) Duties of the Central Government –

(1) 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;
(2) The Ministry of Environment, Forest and Climate Change shall be responsible for reviewing implementation of these rules as and when required.

13. Timeframe for implementation of the provisions of these rules -The timeline for implementation of these rules shall be as specified in **Schedule III:**

14. 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 the 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 for minimizing 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 vicinityshall be monitored.

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

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

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 leachate collection system at bottom of Sanitary Landfill Gas Collection Layer 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 dump site, 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 minimised by mixing with local soil wherever available for limited period.
3	Civil construction in a sanitary landfill	Non-structural applications, such as kerb stones, drain covers, paving blocks in pedestrian 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 policy by State Government	12 months	12 months	12 months
2	Identification of sites for collection and processing facility	18 months	18 months	18 months
3	Commissioning and implementation of the facility	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 authorisation

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
See [Rule (7) (3)]
Format for Issue of Authorisation to the Operator

File No.: _____
Date : _____
To,
_____
_____
_____

Ref : Your application number _____Dt. ……

The _____ State Pollution Control Board or Pollution Control Committee after examining the proposal hereby authorizes _____ having their administrative office at_____ to set up and operate construction and demolition waste processing facility at_____ on the terms and conditions (including the standards to comply) attached to this authorisation letter.

1. The validity of this authorisation is till _____. After expiry of the validity period, renewal of authorisation 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 authorisation 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

See [Rule 8(2)]

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 ……

1. 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 demolition waste 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-structural concrete 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 (last option) or filling low lying areas

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No of landfill sites used :
Area used :
Whether weigh-bridge : Yes / No
facility used for quantity estimation?

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

23 Storage facilities

(a) Area orlocation 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 : ----------

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

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/Proposed number

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 taken
Technology (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)]

Dated: Signature of Municipal Commissioner

Form –IV

See [Rule (8)(3)]

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

To,
The Chairman,
Central Pollution Control Board,
PariveshBhawan, 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:
Place:

Chairman or the Member Secretary
State Pollution Control Board/ Pollution Control Committee

Form –V
See [Rule14]
Accident reporting

1. Date and time of accident :

2. Sequence of events leading to accident :

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 : Authorized Signatory
Place: Designation

[18-6/2014-HSMD]
Bishwanath Sinha, Joint Secretary

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..... **WORKERS IDENTITY CARD** 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 :

SPECIAL CONDITIONS

1. The contractor (s) shall make his own arrangements for electricity required for the execution of work.

2. Cement & Steel Reinforcement shall be arranged by the contractor himself.

3. All the malba or rubbish obtained from dismantling or otherwise during the execution of the work shall be brought down through the stair case. Lifts shall not be used for this purpose and shall not be thrown to the ground directly from first floor or second floor etc. Malba/ rubbish generated due to any operation from the building and there upon whatsoever shall be disposed off on daily basis by the contractor to the specified common disposal point. After the collection of full truck load of the said malba/rubbish (approx 4.5 cubic metres), the same shall be disposed off on same day by the contractor to the to "C & D waste management site near Jahangir Puri Safai Karamchari quarters at Burari plant or Municipal dumping ground at Lal Kaun, Okhla Industrial Area, New Delhi" or any other approved dumping ground **(Payment of removal of malba/building rubbish etc shall be made only on the basis of MCD/local Civic body receipt submitted by the agency & production of receipt of payment made to local body at dumping ground).** Failing which the same shall be got removed by the Engineer-in-charge and the cost so incurred on the removal of the same shall be recovered from the contractor's bill.

4. The contractor shall give notices to Municipality, Police and/ or other authorities that may be required under the law/ rules under force and obtain all requisite licenses for temporary obstructions/ enclosures and pay all charges which may be leviable on account of his execution of the work under the agreement. Nothing extra shall be payable on this account.

5. Other agencies may also be simultaneously executing some other work entrusted to them by the Engineer-in-charge and the contractor shall offer necessary co-operation wherever required to these agencies so as not to interfere with or hinder the progress or completion of the work being performed by other contractor (s). He shall as far as possible arrange his work and shall place and dispose off the materials being used or removed, so as not to interfere with the operations of other contractors, or he shall arrange his work with that of the others in an acceptable and coordinated manner and shall perform it in proper sequence to the complete satisfaction of Engineer-in-charge. The contractor shall leave such necessary holes, openings etc. for laying/burying in the work, pipes cables, conduits, clamps, boxes and hooks for fan clamps etc. as may be required for the other agencies. Nothing extra over the Agreement rates shall be paid for doing these.

6. No residential accommodation shall be provided to any of the staff engaged by the contractor. The contractor shall also not be allowed to erect any temporary structure for staff/ store in the campus.

7. Contractor shall be fully responsible for any damages caused to govt. property by his or his labour in carrying out the work and shall be rectified by the contractor at his own cost.

8. All the materials, fixtures, fixtures, fittings etc. shall be of the best quality and shall be of approved make and manufacture (wherever specified) as defined in the item of work or defined anywhere in this document otherwise shall be of ISI mark as mentioned in the CPWD specifications duly approved by the Engineer-In-Charge.

9. All materials brought by the Contractor for use in work shall be got approved from the Engineer-in-charge of Civil work or his authorized representative of the work.

10. The contractor shall procure the required materials in advance so that there is sufficient time for testing of the materials and clearance of the same before use in the work.

11. All the materials shall be got checked by the Engineer-in-charge or by his representative of the work on receipt of the same at site before use.

12. The contractor shall provide at his own cost suitable weighing and measuring arrangements at site for checking the weight /dimensions as may be necessary for execution of work. The sealed samples are to be handed over to the testing lab by contractor in the presence of Junior Engineer-in-charge of work.

13. Samples for particular items of work shall be prepared, where so specifically desired by Engineer-in- charge, for prior approval of the Engineer-in-charge, before taking up the same on mass scale and nothing shall be payable on this account.

14. Sample of building materials, fittings and other articles required for execution of work shall be got approved from the Engineer-in-Charge before use in the work. The quality of samples brought by the contractor shall be judged by standards laid down in the CPWD Specifications or the relevant BIS code. All materials and articles brought by the contractor to the site for use shall conform to the samples approved by the Engineer-in-Charge which shall be preserved till the completion of the work. The list of approved makes of material is given for guidance.

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

16. If ISI marked products are available, the contractor shall use only ISI marked products. In other cases, the materials shall conform to CPWD specifications. In case a materials/product is neither covered by ISI nor by CPWD specification, the work shall be carried out as per sound engineering practice, in such case, the decisions of the Engineer-in-charge shall be final & binding. In such cases Engineer-in-charge shall satisfy himself about the quality of such materials and give his approval in writing. Only articles classified as first quality by the manufacturers shall be used, unless otherwise specified. All materials not bearing ISI mark shall be tested as per relevant ISI specifications. The Engineer-in-charge may relax the condition regarding testing if the quantity of the materials required for the work is small. In all cases of use of ISI marked materials, proper proof of procurement of materials from authentic manufacturers shall be provided by the contractor to the entire satisfaction of Engineer-in-

charge. The contractor shall be fully responsible for the safe custody of materials brought by him / issued to him even though the materials may be under double lock and key system.

17. Factory made shutter, as specified shall be obtained from factories to be approved by the Engineer-in-charge & shall conform to relevant Indian Standards. The contractor shall inform well in advance to the Engineer-in-charge, the names and address of the factory from which the contractor intends to get the shutters manufactured. The contractor will place order for manufacture of shutters only after written approval of the Engineer-in-charge in this regard is given. The contractor is bound to abide by the decision of the Engineer-in-charge & recommend a name of another factory from the approved list in case the factory already proposed by the contractor is not found competent to manufacture quality shutters. Shutters will, however, be accepted only if this meet the specified tests. The contractor will also arrange stage wise inspection of the shutters at factory to the Engineer-in-charge or his authorized representative. Contractor will have no claim if the shutters brought at site are rejected by Engineer-in-charge in part or in full lot due to bad workmanship and quality. Such shutters will not be measured & paid and the contractor shall remove the same from the site of work within 7 days after the written instruction in this regard are issued by Engineer-in-charge or his authorized representative.

18. **Condition for cement:-**

18.1 Cement required for the work shall be procured by the contractor.

18.2 The contractor shall procure 43 grade OPC conforming to IS: 8112-1989 or PPC conforming to IS: 1489 as required in the work from reputed manufacturers of cement having a production capacity of One million tones per annum as per approved make list. Supply of cement shall be taken in 50-kg bags bearing manufacturer's name, or his registered trade marks if any and grade and type of cement as well as ISI marking. The packing of the cement bags shall be as per CPWD specifications 2009.

18.3 Every delivery of cement shall be accompanied by producer's certificate confirming that the supplied cement confirms to relevant specifications. These certificates shall be endorsed to the engineer in charge for his record.

18.4 The cement shall be brought at site in supply of approximately 5 tonnes or more as decided by the Engineer-in-charge.

18.5 Cement store shall be provided with a single door with two locks. The keys of one lock shall remain with CPWD Engineer-in-charge or his authorized person and that of other lock with the authorized agent of the contractor at the site of work so that the cement is issued from godown according to the daily requirement with the knowledge of both the parties. The account of daily receipt and issue of cement shall be maintained in a register in the prescribed Proforma and signed daily by the contractor or his authorized agent in token of its correctness.

18.6 The contractor shall be responsible for the watch and ward and safety of the cement go down. The contractor shall facilitate the inspection of the cement go down by the Engineer-in-Charge at any time.

18.7 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 as and when testing required by Engineer-in- Charge. In case test results indicate that the cement arranged by the contractor does not confirm 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.

18.8 The contractor shall supply free of charge cement required testing. The cost of tests shall be borne by the contractor and test result should confirm to BIS code.

18.9 The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract

18.10 The theoretical, consumption of cement shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein. No payment for excess consumption of cement will be allowed.

18.11 For non-schedule items, the decision of the Superintending Engineer regarding theoretical quantity of cement, which shall have been actually used, shall be final and binding on the contractor.

18.12 Cement / steel brought to site and remaining unused after completion of work shall not be removed from site without written permission of the Engineer-in-charge.

19 The contractor shall get the source of various raw materials namely aggregate, cement, sand, water etc. to be used on the work, approved from the Engineer-in-Charge and trial mixes for controlled concrete shall be done using the approved materials. The contractor shall stick to the approved source unless it is absolutely unavoidable. Any change shall be done with the prior approval of the Engineer-in-Charge for which tests etc. shall be done by the contractor at his own cost.

20 Sand to be used for cement concrete work, mortar for masonry and plaster work shall be of standard quality and shall be obtained from the source approved by the Engineer-in-charge and screened, if required. The same shall consist of hard siliceous material. It shall be clean sand.

21 Royalty at the prevalent rates shall have to be paid by the contractor on all the building metals, shingle, sand and bajari etc. collected by him for the execution of the work, directly to the Revenue authority or authorized agent of the state Govt. concerned or Central Govt.

22 All sub-standard material rejected shall be removed from the site immediately and department will not be responsible for the safe custody of the same. In case of failure the same will removed from the site of work at the cost of the contractor. **Nothing extra shall be payable for using extra mortar for achieving smooth and even surface for plaster work and extra cement shall not be considered for cement consumption on this account.**

23 **Nothing extra shall be payable for using combination of marble, granite, kota, sand stone slabs & ceramic tiles etc. in the required pattern at various locations.**

24 Nothing extra will be paid for the additional thickness of bed mortar that will be required to achieve uniform finished surfaces on account of difference in specified thickness of marble, granite, Kota stone, sand stone & ceramic tiles etc.

25 Any cement slurry, required to be added over base surface for bond or for continuation of concreting, its cost shall be deemed to have been included in the respective items, unless specified otherwise and nothing extra shall be payable nor extra cement shall be considered in the cement consumption on this account.

26 Flooring in toilets, verandah, kitchen, courtyard etc. shall be laid to the required slope/gradient as per the directions of the Engineer-in-Charge.

27 The pattern, spacing and locations of joints shall be as per drawings and direction of the Engineer-in-Charge.

28 **The water proofing items shall be got done through the firms approved by the Engineer –In-Charge**.

29 The SCI/CI pipes and G.I. pipes, wherever necessary, shall be fixed to RCC columns, beams etc. with rawl plugs, or appropriate fasteners as approved by Engineer-in-Charge, and nothing shall be payable on this account.

30 No claim for idle establishment & labour, machinery & equipments, tools & plants and the like, for any reason whatsoever, shall be admissible during the execution of work as well as after its completion.

31 Unless otherwise specifically provided in the Schedule of quantities, the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the building and nothing extra quoted rates in agreement shall be payable to him on this account. However, payment for centering, shuttering, if required to be done for floor heights greater than 3.5m, shall be admissible at rates arrived at, in accordance with clause 12 of the agreement, if not already specified otherwise.

32 The contractor shall quote their rates inclusive of all taxes, cartage, royalties etc. complete.

33 Unless otherwise specified in the schedule of quantities, the rate of all items of the work shall be considered as inclusive of pumping out or bailing out water, if required, for which no extra payment will be made .This will include water encountered from any source such as rains, floods, sub-soil water table being high or due to any other cause whatsoever.

34 The working drawings shall mean to include both architectural and structural drawings respectively. The structural and architectural drawings shall be properly correlated before executing the work. In case of any difference noticed between architectural and structural drawings, final decision, in writing of the Engineer-in-charge shall be obtained by the contractor before proceeding further.

35 The words “Equivalent”, “Approval” and authorized” in these specifications shall imply and require written approval of the Engineer-in-Charge.

36 The contractor shall have to carry out the work according to approved programme duly approved by the competent authority. The contractor shall not carry out any work in any building without permission of the Engineer-in-Charge. The contractor shall have to adhere this programme failing which he shall be wholly responsible for any inconveniences caused to

the occupants. No claim for idle labour on any account shall be entertained. The contractor shall depute his representative daily to the site of work. His name and signature shall be attested by the contractor for record in the department.

37 The contractor shall prepare one sample of item which shall be got approved from the Engineer-in-charge. Only on acceptance of sample, contractor will be allowed to commence the work and sample is to be preserved by the contractor till the whole work is completed. The quality of entire work should confirm to the approved sample.

38 Any damage to the building structure, fittings or any other articles etc. done by the contractor or his workman during the execution of the work shall be made good by the contractor at his own cost and nothing extra will be paid on this account. However, if contractor fails to attend the same, the same will be made good by the Engineer-in-Charge at the risk & cost of the contractor.

39 Any damage to work resulting from weathering conditions, defacing or from any other cause such as negligent act on the part of contractor, until the work is taken over by the Department after completion of work, shall be made good by the contractor at his own cost.

40 The paints/ other materials shall be issued by the Junior Engineer/ Assistant Engineer to the contractors after breaking the seal of the containers/ packing and quantity to be issued shall be as per the daily requirement at the site. After days use balance quantity of paints etc., if any left will be returned by the contractor to the Deptt. After use, the empty container shall have to be returned to the Department, and these shall be the property of Department. The empty container shall be preserved by JE of site-In-charge and will not be disposed of till the completion of the work.

41 Nothing extra shall be paid to the contractor for excess consumption of material.

42 The contractor and/ or his authorized agent should see the site order book every day and get the compliance noted by the Junior Engineer/ Assistant Engineer/ Engineer-in-Charge

(a) Water charges, income Tax, Labour cess and other taxes shall be recovered on the gross amount of the bills as per relevant rules.

(b) If the Contractor wants to arrange his own water, he must submit a written proposal along with the water source details prior to commencement of work. He will also provide sample of water from that source which will be got tested by AE incharge and report will be submitted by him to the Engineer in Charge with his recommendation. The contractor may start use of such water after getting approval of the Engineer in Charge. In case of failure of Agency to produce the same, a non-refundable deduction of 1% water charge will be applied to the gross work done. The Agency will be responsible for the storage & transportation of water at the site, and no extra payment will be made for these arrangements.

43 The theoretical consumption of materials like satna lime, distemper, paint, water proof cement paint etc. shall be computed, as per the consumption of co-efficient of DAR 2023. In case of variation between the actual and the theoretical calculations action shall be taken as below:

(a) For the materials to be arranged by the contractor:- In case the materials used other then mentioned Schedule F under clause 12 is less than theoretical requirements the cost for the material used less shall be recovered from the contractor at the basic rate as given in D.S.R.

2023 plus carriage plus 1% W.C. plus 15% contractor profit and over heads plus contractors enhancement/abatement as per clause 12 of the agreement. For all excess use of materials over the theoretical consumption no extra payment shall be made to the contractor:

44 The work of water supply, internal sanitary installations and the drainage work etc may required to be carried out as per local Municipal Corporation or such local body-Bylaws and the contractor in such cases shall produce necessary completion certificate from such authorities after completion of the work.

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

46 The work pertaining to the items of internal finishing should be started in consultation and with prior approval of Engineer-in-Charge as soon as the structure/other items of work are completed

48 Before taking up demolition work, contractor has to arrange materials in advance and thereafter permission for dismantling/demolition work will be given.

49 The work is to be carried out in highly secured area and there will be restriction on movement of labour & material. A contractor has to abide by all requirements in this regard.

50 The contractor will have to store material at a designated place in the Campus away from work site and thereafter bring material to work site as per requirement.

51 The malba/building rubbish collected from dismantling and demolishing from any floor and for all lead and lift will be collected at designated malba Bin in the CPWD service center area on daily basis. Nothing extra will be paid. If failed to do so, Rs. 500/day recovery will be made from the bill. Collected Malba/Debris should be cleared timely from Designated malba bin as per scheduled item as per direction of the Engineer-in-charge. The Contractor is advised to quote his rates accordingly. Noting extra will be paid on this account.

52 **Before bringing any material at site, the agency will intimate the source of material by submitting the invoice and will get approved the sample first.**

53 **All materials required for work i.e Floor tiles, Wall tiles, cement, sanitary items etc shall be brought at site in full quantity by the agency and the bills/vouchers will be submitted by the Agency at the same time.**

54 It is mandatory for the Agency to submit work program within one week of the award of Work failing which action may be taken as per terms and condition of the agreement.

55 After taking over the quarter for making it habitable the agency will not be allowed more than prescribed time limit i.e 45 days. As the site is fully available no extension of time will be granted on this account.

56 The agency will be fully responsible for watch and ward of the quarter during the period the quarter remains in possession and he will be responsible for any loss of material due to theft or any other reason.

57 The rate for the white washing colour washing/distempering painting etc. includes the costs of

removal of splashes and paint marks. In the event or failure on the part of contractor to remove the splashes and the paint mark the recoveries will be made at the following rates.

Type of Quarter	Rates of Recoveries per Quarter in Rupees for splashes of		
	Internal wall colour wash/ distemper/painting	Paint, Paint marks etc.	External colour wash/ acrylic emulation paint etc.
Type-I	500	600	600
Type-II	500	600	600
Type-III	600	800	800
Type-IV	700	900	900

58 The agency will issue ID-CARD to the labour and provide uniform of same colour with name of agency tagged on the Shirt/T-shirt, nothing extra will be paid on this account by the Department.

59 The work shall be executed as per given below. Following time period shall be followed:-

Description	Type of Qtrs.	Time required (in days)		Total days	Deduction (non-refundable) in case of failure to meet the timeline)	
		Civil	Electrical		Civil	Electrical
(i) Already upgraded quarters where only finishing is required.	(a) Type I to III				Rs. 500/- (Rs. Five hundred only) per quarter for each day of delay	Rs. 500/- (Rs. Five hundred only) per quarter for each day of delay
	(i) Vacant	13	1	15		
	(ii) Occupied	28	7	35		
	(a) Type IV & above					
	(i) Vacant	18	1	20		
	(ii) Occupied	33	7	40		
(ii) Quarters to be upgraded.	(a) Type I to III					
	(i) Vacant	48	12	60		
	(ii) Occupied	63	17	80		
	(a) Type IV & above					
	(i) Vacant	48	12	60		
	(ii) Occupied	75	20	95		

60. Looking to the extreme pressure of newly allotted quarters and the urgency of giving physical possession timely, it will be mandatory for the agency to deploy at adequate number of teams of skilled labour and the work of all all the handed over quarters must be started simultaneously without any lapse to complete them within time period given at sl no. 59 w.e.f the date of handing over. The agency will have to submit the list of labour with their identity proofs to the Engineer-in-charge before starting the work.

61. The Agency will submit the wage register and Bank Statement for proof of wages as well as labour/resources deployed for work.

62. Hindrance, if any, must be recorded through ERP only. Any entry through physical register will not be accepted.

63. RFI must be recorded/uploaded on daily basis/date of execution. RFI for older period will not be accepted. For older RFIs department will not be responsible for payment.

64. The contractor shall take all necessary precautions to prevent any nuisance or inconvenience to the owners, tenants or occupiers of adjacent properties and to the public in general and to prevent any damage to such properties and any pollution of smoke, streams and water – ways. He shall make good at his cost and to the satisfaction of the Engineer-in-Charge, any damage to roads, paths, cross drainage works or public or private property whatsoever caused thereon by the contractor. All waste or superfluous materials shall be carried away by the contractor without any reservation entirely to the satisfaction of the Engineer-in- Charge.

65 Utmost care shall be taken to keep the noise level to the barest minimum so that no disturbance as far as possible is caused to the occupants/users of building.

66 This is an occupied campus. The work is to be carried out in such a manner so that the occupants are not inconvenienced.

67 The contractor shall make his own arrangements for obtaining electric connection (if required) and make necessary payments directly to the department concerned.

68 The contractor shall make all the wooden & steel door/windows functional, by checking & repairing of all existing doors, windows, ventilation cupboard etc. including fitting required for its smooth functioning. (only fittings like handle, tower bolt, sliding door bolt, hinges, glass panes, beading, if required/replaced shall be paid separately as per BOQ provision).

69 The contractor is required to submit all the purchase invoice, indicating the amount of GST paid, duly signed by him of all the materials like Cement, Steel, Paint, Putty, Distemper, C.I/G.I pipes, Granite, Flush door, Boards/Ply, Structural Steel, Tiles, Sanitary Installations, CPVC/PVC pipes etc. during the submission of R.A./Final bill or as directed by the Engineer-in-charge.

70 The contractor will intimate the Engineer-in-charge or his representative through RFI in ERP module in sufficient time before the covering of hidden items, so that joint measurement can be taken up jointly.

71 50% of the materials with GST paid purchase invoice must be supplied before commencement of the work. The remaining 50% of the material will be supplied by agency short notice by the Engineer-in-charge, when required.

70 RFIs should be submitted on a daily basis. For concealed/hidden items, the FRI must be forwarded to the Executive Engineer prior to the execution of any related items; failure to do so will result in non-payment for the concealed/hidden items.

71. TESTING OF MATERIALS

71.1 Samples of various materials required for testing shall be provided free of charges by the 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. The NIT shall have list of approved laboratories for testing as approved by ADG / SDG.**

71.2 The contractor shall produce all the materials in advance i/c water so that there is sufficient time for testing and approving of the materials and clearance before use in work.

MATERIAL AND QUALITY ASSURANCE

1 Quality of the project is of utmost importance. This shall be adhered to in accordance with the provisions of CPWD specifications and guidelines given in the relevant paras.

2 The contractor shall ensure quality control measures on different aspects of construction including materials, workmanship and correct construction methodologies to be adopted. **He shall have to submit quality assurance programme within two weeks of the award of work.** The quality assurance programme should include method statement for various items of work to be executed along with check lists to enforce quality control.

3 The contractor shall get the source of all other materials, not specified elsewhere in the document, approved from the Engineer-in-Charge. The contractor shall stick to the approved source unless it is absolutely unavoidable. Any change shall be done with the prior approval of the Engineer-in-Charge for which tests etc. shall be done by the contractor at his own cost. Similarly, the contractor shall submit brand/ make of various materials not specified in the agreement, to be used for the approval of the Engineer-in-Charge along with samples and once approved, he shall stick to it.

4 The contractor shall submit shop drawings of staging and shuttering arrangement, aluminum work, and other works as desired by Engineer In Charge for his approval before execution. The contractor shall also submit bar bending schedule for approval of Engineer –in – charge before execution.

GENERAL TERMS AND CONDITIONS

1 The order of preference in case of any discrepancy shall be as under:-

i) Nomenclature of items as per schedule of quantities.
ii) Particular specification and special condition, if any.
iii) CPWD specifications.
iv) Architectural Drawings
v) Indian standard specifications of B.I.S.
vi) Sound Engineering Practice as approved by the Engineer-in-charge.

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

2 Except for the items, for which particular specifications are given or where it is specifically mentioned otherwise in the description of items in the schedule of quantities the work shall generally be carried out in accordance with the "CPWD specifications 2019 Vol. 1 and Vol. 2 (with up to date corrections slips). (Hereinafter to be referred to as CPWD specifications) and instructions of Engineer-in-Charge. Wherever CPWD specifications are silent the latest IS codes/specification shall be followed.

3 Unless otherwise provided in the Schedule of Quantities/Specifications, the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the work and nothing extra shall be payable to him on account of the same. Extra payment for centering/shuttering, if required to be done for heights greater than 3.5 m shall however be admissible at the rates arrived at in accordance with clause 12 of the agreement, if not already specified.

4 a) **The contractor (s) shall inspect the site of work before tendering and acquaint himself with the site conditions and no claim on this account shall be entertained by the department.**

b) The contractor (s) shall get himself acquainted with nature and extent of the work and satisfy himself about the availability of materials from kiln or approved quarries for collection and conveyance of materials required for construction.

5 The contractor (s) shall study the soil investigation report for the site, available in the office of the Engineer-in-Charge and satisfy himself about complete characteristics of soil and other parameters of site. However, no claim on the alleged inadequacy or incorrectness of the soil data shall be entertained.

6 The tenderer shall see the approaches to the site. In case any approach from main road is required by the contractor, the same shall be made good, improved and maintained by the contractor at his own cost. No payment shall be made on this account.

7 The contractor (s) shall give to the Municipality, Police and other authorities all necessary notices etc. that may be required by law and obtain all requisite Licenses for temporary obstructions, enclosures etc. and pay all fee, taxes and charges which may be leviable on account of these operations in executing the contract. He shall make good any damage to the adjoining property whether public or private and shall supply and maintain light and other illumination on for cautioning the public at night.

8 The contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards day and night speed limit boards red flags, red lights and providing barriers. He shall be responsible for all dangers and incidents caused to existing / new work due to negligence on his part. No hindrances shall be caused to traffic during the execution of the work.

9 Contractor shall provide permanent bench marks and other reference points for the proper execution of work and these shall be preserved till the end of work. All such reference points shall be in relation to the levels and locations, given in the Architectural and plumbing drawings

10 The contractor shall make his own arrangement for water and obtaining electric connection(s) if required and make necessary payments directly to the department concerned.

11 Some restrictions may be imposed by the security staff etc. on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restrictions/instructions and nothing extra shall be payable on account of the same.

12 The contractor shall fully comply with all legal orders and directions of the Public or local authorities or municipality and adhere by their rules and regulations and pay all fees and charges for which he may be liable in this regard. Nothing extra shall be paid/reimbursed for the same.

13 The building work shall be carried out in the manner complying in all respects with the requirements of the relevant bylaws and regulations of the local body under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-charge and nothing extra shall be paid on this account.

14 The contractor shall give a performance test of the entire installation(s) as per standing specifications before the work is finally accepted by making his own arrangements for water supply, electricity etc. and nothing extra whatsoever shall be payable for the same.

15 If as per local Municipal regulations, huts for labour are not to be erected at the site of work, the contractor shall be required to provide such accommodation at a place as is acceptable to the local body and nothing extra shall be paid on this account.

16 It shall be ensured by the contractor that no electric live wire is left exposed or unattended to avoid any accidents in this regard.

17 The structural and architectural drawings shall at all times be properly co-related before executing any work. However, in case of any discrepancy in the item given in the schedule of quantities appended with the tender and Architectural drawings relating to the relevant item, the former shall prevail unless otherwise given in writing by the Engineer-in-charge.

18 The contractor shall maintain in perfect condition, all portions executed till completion of the entire work allotted to him. Where however phased delivery of work is contemplated these provisions shall apply separately to each phase.

19 The entire royalty at the prevalent rates shall have to be paid by the contractor on all the boulders, metals, shingle sand etc. collected by him for execution of the work, directly to the Revenue authority or authorized agents of the State Government concerned or the Central Government, as the case may be

20 The contractor shall take instructions from the Engineer-in-charge for stacking of materials. No excavated earth or building materials etc. shall be stacked/ collected in areas where other buildings, roads, services, compound walls etc. are to be constructed.

21 Any trenching and digging for laying sewer lines/water lines/cables etc. shall be commenced by the contractor only when all men, machinery's and materials have been arranged and closing of the trench(s) thereafter shall be ensured within the least possible time.

i) The works shall be carried out in accordance with the Architectural drawings and structural drawings, to be issued from time to time by the Engineer-in-Charge. Before commencement of any item of work, the contractor shall correlate all the relevant architectural and structural drawings issued for the work and satisfy himself that the information available there of is complete and unambiguous. The discrepancy, if any shall be brought to the notice of the Engineer-in-Charge before execution of the work. The contractor alone shall be responsible for any loss or damage executing by the commencement of work on the basis of any erroneous and or incomplete information.

ii) The contractor shall take all precautions to avoid accidents by, exhibiting caution boards day and night, speed limit boards, red flags, red light and providing necessary barriers and other measures required from time to time. The contractor shall be responsible for all damages and accidents due to negligence on his part.

iii) Other agencies will also simultaneously execute and install the works of electrification, air conditioning, lifts, fire-fighting etc. for this work and the contractor shall provide necessary facilities for the same. The contractor shall leave such recesses, holes openings etc. as may be required for the electric, air-conditioning and other related works (for which inserts, sleeves, brackets, conduits base

pinion, clamps etc. shall be supplied free of cost by the department unless otherwise specifically mentioned) and the contractor shall fix the same at time of casting of concrete, stone work & brick work, if required and nothing extra shall be payable on this account.

iv) The contractor shall conduct work so as not to interfere with or hinder the progress or completion of the work being performed by other contractor(s) or by the Engineer-in-Charge and shall as far as possible arrange his work and shall place and dispose off the materials being used or removed so as not to interfere with the operations of other contractor or he shall arrange his work with that of the others in an acceptable and coordinated manner and shall perform it in proper sequence to the complete satisfaction of others.

v) All Architectural drawings given in the tender other than those indicated in nomenclature of items are only indicative of the nature of the work and materials/fixings involved unless and otherwise specifically mentioned. However, the work shall be executed in accordance with the drawings duly approved by the Engineer-in-Charge.

22 Samples of all materials and fittings to be used in the work in respect of brand manufacturer and quality shall be got approved from the Engineer-in-Charge, well in advance of actual execution and shall be preserved till the completion of the work. Articles bearing BIS certifications mark shall only be used unless no manufacturer has got BIS mark for the particular material. Any material/fitting whose sample has not been approved in advance and any other unapproved material brought by the contractor shall be immediately removed as soon as directed.

Unless otherwise specified in the schedule of quantities the rates for all items shall be considered as inclusive of pumping/baling out water, if necessary, for which no extra payment shall be made. Those conditions shall be considered to include water from any source such as inflow of flood, surface and sub-soil water etc. and shall apply to the execution in any season.

23. **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**

24. On completion of work, the contractor shall submit at his own cost four prints of "as built" drawings to the Engineer-in-Charge within 30 days of completion of work. These drawings shall have the following information:

a) Route of all piping and their diameters including soil waste pipes & vertical stacks.

b) Ground and invert levels of all drainage pipes together with locations of all manholes and connections upto outfall.

c) Route of all water supply lines with diameters, location of control valves, access panels etc

25. No extra payment will be made for operation/activity mentioned at Sl. No. 1 to 23 above unless specifically mentioned otherwise.

26 The Contractor undertake "It would, therefore, be in the fitness of things, if permission of the Tree Officer is first taken before the initiation of any civil work, which are likely to be made within a distance of 2mts from any existing tree."

27. Bonus paid to labour is covered under overhead charges. Nothing extra shall be paid by the department on account of Bonus.

MAINTENANCE OF RECORDS BY THE CONTRACTOR

4. **Maintenance of Material at Site (MAS) Register –**

   a. All the MAS Registers including Cement and Steel Registers shall be maintained by Contractor which shall be issued to the contractor by Engineer-in-charge.
   b. 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. Each MAS Register 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.

5. Copy of all test registers and Material at Site Register with each alternate Running Account Bill and Final Billshall be submitted by the contractor.

GUARANTEE TO BE EXECUTED BY CONTRACTORS FOR *PREMIUM ACRYLIC SMOOTH EXTERIOR PAINT / ACRYLIC SMOOTH EXTERIOR PAINT AFTER COMPLETION IN RESPECT OF FINISHING ITEMS.

The Agreement made this_____day of_____Two thousand ---------- and between_____son of_____(hereinafter called the Guarantor of the one part) and the PRESIDENT OF INDIA (herein after called the Government of the other part).

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

AND WHEREAS THE GUARANTOR agreed to give a guarantee to the effect that the said structures will remain defect free for *five/two years from the date of completion of work.

NOW THE GUARANTOR hereby guarantees that ***PREMIUM ACRYLIC SMOOTH EXTERIOR PAINT / ACRYLIC SMOOTH EXTERIOR PAINT** done by him will render the structures completely finish and the minimum life of such ***PREMIUM ACRYLIC SMOOTH EXTERIOR PAINT / ACRYLIC SMOOTH EXTERIOR PAINT** shall be *five /two years to be reckoned from the date after the maintenance period prescribed in the contract.

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

The decision of the Engineer-in-charge with regard to kind of defects shall be final.

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

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

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

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

1._____

2._____

Signed for and on behalf of the President of India

In the presence of –

1._____ 2._____

** STRIKE OUT WHICH EVER IS NOT APPLICABLE*

LIST OF PREFERRED MAKES OF MATERIALS

Specification/brands names of materials (Refer materials, whichever are applicable for the scope of work) and finishes approved by the Engineer-in-Charge are listed below. However approved equivalent materials and finishes of any other specialized firms may be used subject to approval of the alternate brand by the Engineer-in-Charge, (See also conditions of contract).

Sl. No.	Materials	Approved Make/Brand
1.	Poly-Sulphide Sealant	Pidilite, Tuffseal, Choksey/DURABUILD, MAKPHALT
2.	Damp Proof Material	Impermo, DuraBuild, Acco-Proof, CHOKSEY
3.	Admixture	Fosroc, MCCHOKSEY, BASF,CICO/ Dura Build,
4.	White Cement	J.K. White, Birla White
5.	Water Proofing Compound	Tapecrete, CICO, Dura Build, Accoproof, Impermo (By Snowcem India Ltd.), Pidilite, CHOKSEY, Fosroc, MAKPHALT, SIKA, Dr. Fixit.
6.	Cement	ACC, Birla, Ultratech, Ambuja, J.K, Shree Cement, Lafarge cement
7.	Locks/Latch	Godrej, Harrison, Hafele, Plaza, Dorma, YALE, Kich, Hettich
8.	Laminates, Veneer	Formica, Merino, Decolam, Greenlam, Century
9.	Wire Mesh	Sterling Enterprises, Trimurty Welded Mesh
10.	Prelaminated Particle Board	Action TESA, Bhutan Boards, Greenlam, Century, Green panel.
11.	Adhesive	Pidilite, Dura Build, Dunlop, Vam Organic, CHOKSEY, Asian Paint
12.	Epoxy Mortar	Fosroc, Dura Build, Sika, BASF, CHOKSEY
13.	Dash Fasteners	Hilti, Fischer, Canon, Bosch
14.	Flush door shutter	Greenply (Green), Century ply (PRO), Duroply (TOWER), Green panel, Merino, Bhutan tuff
15.	Block Board & Plywood	Greenply, Century, Duroply, Archidply, Merino, Bhutan tuff, Green Panel
16.	Hydraulic Door Closer/Floor Spring/Mortise lock	Hardwyn, Godrej, Dorma, Hafele, Kich, Geze
17.	SS 304 Door Hardware for D/W (other than Floor spring door Closer, Locks)	Kich, Ozone, Godrej, Dormakaba, Yale, Geze, Hafele, Briton,
18.	Structure Steel & Hollow Section–Primary Producers only	SAIL,TATA(TISCO), RINL, Jindalsteel & Power (JSPL), JSW
19.	Door Closer Lock	Dorma, Hardwyn, Dorset, Godrej, Everest, Kich
20.	Anodized aluminium Hardware (Heavy Duty)	Hardima, Everite, Sigma (ISIMarked), Dorma
21.	Tempered Glass	Modi Float, Saint Gobain, ASAHI, Glaverbel
22.	Polyester Powder Coating Shades	Nerolac, Berger, J&N
23.	Aluminium Sections	Jindal, Hindalco, Indalco
24.	Friction Stay Hinges	Earl-Bihari, Godrej, Hettich, Haffele
25.	Nuts, Bolts and Screws, Steel	Kundan, Priya, Atul, Puja
26.	Structural Silicone	Dow Corning/Wacker
27.	Adhesive Tape	Norton, 3Mavery Denisson

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

28.	Terrazzo Tiles (Precast) /Plain/ Chequerred	NITCO, HINDUSTAN, MODERN, Unistone, K.K. Manhole, Ultra
29.	Glazed Ceramic Tiles (Matt/Polish)	Kajaria, RAK, Johnson, AGL, Somany, Nitco
30.	Cement Concrete iles/ Hardonite Tiles	NITCO, NTC, HINDUSTAN, Unistone, Dalal,
31.	Vitrified Tiles (Double charge) Polished/Matt	Kajaria, RAK, Johnson, AGL, Somany, Nitco
32.	Tile Adhesive.	CICO, DuraBuild, PIDLITEFERROUS, Choksey, AsianPaint, Fosroc, MYKLATICRETE
33.	Acrylic Emulsion Paint	ASIAN Paints, ICI, NEROLAC, BERGER, SHALIMAR
34.	Luxury Emulsion Paint	Berger-silk, Asian-Royal, ICI-Velvet, erolac-Impression
35.	Synthetic Enamel Paint	Berger, Nerolac, Asian Paints, ICI India Ltd.,
36.	Plastic Emulsion Paint	Berger, Nerolac, ICI India Ltd., AsianPaint
37.	Vitreous China Sanitaryware	Kohler, Roca, Hindware, Grohe, Jaquar,
38.	Fireclay Sinks & Drain Boards	Parry, Sunfire, Hindware, Cera
39.	Stainless Steel Kitchen Sinks	Nilkanth, AMC, Cobra, Jayna, Nirali, CERA
40.	C.P. Brass Bath Fittings	Jaquar (Continental Series), Kohler, Cera, Somany, Hindware, Parryware, Prima.
41	C.P Brass -Towel rail, Towel Ring, Overhead shower, Health faucet	Jaquar, Cera, Somany, Hindware, Parryware, Essco by Jaguar, Prima
42.	Soil, Waste & Vents Pipes & Fittings A) Centrifugal Cast Iron	Neco, RIF, SKF, HIF, Kapilansh, RPMF
43.	G.I. Pipes	Tata, Jindal–Hissar, Prakash Surya
44.	Gunmetal Valves	Leader, Sant, Zoloto, Deepak Valves
45.	MS Pipe	Kesoram, ElectroSteel, TATA, Well Span
46.	UPVC Pipe	Supreme, Prince, Finolex, Astral
47.	Ball Valves	Zoloto, IBP, Arco
48.	Unglazed Vitrified Tiles	Johnson–(Endura),Somany–(DuraStone), Regency–(Tiles), Kajaria, Oasis, Varmora
49.	Spider Fittings	Dorma, Sevax,Hettich
50.	Mineral Fibre False Ceiling	Armstrong, Hunter Douglas, RITE, Dimond
51.	PVC/SyNTHETIC WATER TANK	Sintex, Uniplast, Polycon
52.	Self Closing Pillar Taps	Jaquar, KAISERVITALS, Kingston, Roca, Grohe, Kolher
53.	Hot Water Insulation	Glass Wool/Mineral Wool
54.	Elastomeric Sleeve	Up Twiga/Rocklloyd
55.	Beveled Edge Mirror	Atul/SaintGobain/Modiguard, Jolly,
56.	Wall Putty	Birla White, J.K White, Berger, Acro, Asian Paint, Home Pride
57.	Drapery Rod, Venetian Blinds, Roller blinds	Mac, Vista, Deck, Hunter Douglus, D-Decor
58.	Ready Mix Concrete (R.M.C.)	ACC, Unitech, Ultra Tech (Birla) and L&T, RMC India, Lafarge, M/s NDCON Construction, Shri Ram Ready Mix Concrete Pvt. Ltd., V.K. Ready Mix Concrete Pvt. Ltd
59.	Metal False Ceiling	Armstrong, Hunter Douglus, Dampa, Lindner, Durlum, Credence, Hi-steel, RITE, Dimond
60.	UPVC Window/Door	Rehau, Veka, Fenesta
61.	Laquered Glass	Modiguard, Saint Gobain, Asahi, Glaverbel

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

62.	Bamboo and wooden grill/baffle, backer/box metal special false ceiling	Armstrong, Hunter Douglas, SAS, Dampa, Lindner, RITE
63.	Hardwood Flooring/ Engineering wood flooring	Juncker, Vitofloor, Pergo, Mikasa, Vista
64.	Wooden Laminate Flooring	Vista, Juncker, Vitofloor, Action Tesa, Green Panel
65.	Nylon Carpet Tiles/Rolls	Forbo Flotex, Euronics
66.	Calcium Silicate and Gypsum Board/Tiles including frame work	Ramco-Hilux, Gyproc, Boral, SaintGobain, USG, Gyptech, RITE
67.	Steel Reinforcement (TMT Bars)	Tata, SAIL, RINL, JSPL, JSW
68.	Furniture Items	Godrej, Haworth, Rockworth, Steelcase, Featherlite, Durian
69.	AAC Block	Finecrete, Ultra Tech, ACC, JK, SHREECEMENT
70.	Fire Resistant doors	Shakti Hormann, Navair, IHMS, Tata Pravesh, GMP, Pacific, Bhawani Fire Protection Pvt. Ltd.
71.	Firerated hardware	Dormakaba, Yale, Hafele, Geze, Hormann, BRITON
72.	Prelaminated cement bonded wood particle board	Bison, RAMCO, Everest, Visaka Industries, Hicem
73.	Furniture Hardware	Hafele, Hettich, Kich, Dormakaba, Godrej
74.	Raised/false access flooring system	Unitile, Lindner, Unifloor, Tankaria, Tate access floor systems
75.	Rockwool/Glass wool Insulation	UPT wiga, Rock wool India, Roxul Rockwool India, Lloyd, Siderise
76.	Gypsum light weight Plaster	Saint Gobain Gyproc (Elite-90), Ultratech, USG Boral, Birla White, Dudhi
77.	Wood Polish	Asian, MRF, ICA, Monocoat, Jotun, Nerolac, Sirca, Jivanjor, ICI Dulux
78.	CPVC pipes and fittings	ASHIRWAD, FINOLEX, SUPREME, ASTRAL, PRINCE, TRUFLO by Hindware
79.	Toughened glass	Saint Gobin, Asahi, Pilkington, Viracon (Processed by the theme or their approved processors)
80.	MDF/Particle Board	Green panel, Action Tesa, Century
81.	Silvered Glass	Saint Gobain, AIS, Modiguard(Gujarat Guardian), Sisecam, Pilkington
82.	Wall Paper	D'décor, Lifencolours, India Circus, escom, Nilayaby Asianpaint, Marshall, Muraspec.
83.	Acoustic wall paneling & false ceiling	Silence Panel, Anutone, Techno Ceiling, Knauf, Armstrong, Gyptech, RITE
84.	Polymer planter	Yuccabe, Dedhi, Glyptic Arts
85.	Frosted Film	LG,3M, Garware, Dupont
86.	Acrylic sheet	Rehau,Opulux, Treelam, Praveedh, EGR, Décor.
87.	Firerated Glass	Vetrotech, Saint-Gobain, Pyroguard, AIS, Schott-Pyran,
88.	PU Polish for wood work	ICI Dulux, MRF, Asian, Berger, JOTUN, Nerolac, ICA, Sirca
89.	Pre-laminated MDF Board	Green Penel max, Marino, Veer, Century, Action Tesa
90.	Cobble Stone	Unistone, Dalal, Ultratech
91.	Polyurethane tactile tile	Signexpress, DeltonIndia.
92.	Paint – Acrylic Emulsion (Exterior)	Asian Paints, Akzo Nobel (Dulux), Jotun, Berger, NEROLAC
93.	Paint – Texture Paints (Exterior)	Oikos, SKK, Asian (Novacolour), Ultratech, Armourcoat, Dulux

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

94.	Smooth Exterior paint	Asian (Apex), Berger (Wheather Coat), Nerolac, ICI India Ltd.	
95.	Premium Exterior Paint with Silicon Additives	Asian (Apex-Ultima), Berger (All Guard) or equivalent model/series of Nerolac, ICI India LTd.	
96.	S.S. Auto close Hinges	Hettich, Hafele, Godrej,	
97.	Bamboo Wood Flooring and Wall Panelling.	AMITEX	AMITEX Enterprises, Delhi
		Eco green Flooring	Jupiter Traders Bangalore
		Epitome Bamboo wood Products	Mutha Industries Pvt. Ltd., Mumbai.
		Floor India	Flooring India Company, Panipat, Haryana.
		FLOSTO Tank	Devi Polymer Pvt., Ltd., Chennai.
		VIVANTA	VIVANTA Enterprises, Mumbai.
98	PVC door	Rajshree, Finolex Plastics, M/s Jayna Door Ind., KAKA.	
99	BITUMEN	INDIAN OIL, HINDUSTAN PETROLEUM, BHARAT PETROLEUM	
100	NON METALIC SURFACE HARDENER	MC DERITOP F.H, ARMSTRONG, NITOFLOR HARDTOP, FOSROC, SIKAFLORR®-2 SYNLTOP, IRONITE COMPANY OF INDIA LTD.	
101	GLASS DOOR/PARTITION, PATCH FITTINGS ETC.	DORMAKABA, OZONE, YALE	
102	S.S. RAILING	JINDAL STAINLESS STEEL LTD. ICICH INDUSTRIES, ESSAR, DORMA, AXEL, JNB	
103	FLOAT GLASS PANES	MODI, SAINT GOBAIN, ASAHI	
104	EPDM GASKET	HANU/ANAND/LESCUYER	
105	WATER PROOFING CEMENT PAINT	AISAN, SUPPER SNOWCEM	
106	DISTEMPER	M/S ASIAN PAINTS LTD. (TRACTOR / PROFESSIONAL ACRYLIC DISTEMPER)., M/S SHALIMAR PAINTS LTD. (No.1 PREMIUM ACRYLIC DISTEMPER), M/S ICI INDIA LTD. AKZONOBEL (MAXILITE ACRYLIC DISTEMPER).	
107	CURING COMPOUND	FOSROC, BASF, SIKA	
108	G.I. SHEET/PROFILE SHEET	SAIL, TATA, JINDAL, ESSAR	
109	FIBRE GLASS SHEET	SIMCRYL, SIMBA, FIBER TECH BUILDING PRIVATE LIMITED	
110	STONEWARE PIPE & GULLY TRAPES	PERFECT, PARRY	
111	R.C.C. PIPES (NP-2)	LAKSHMI, SOOD & SOOD, JAIN & CO, DIWAN SPUN PIPES, PRAGATI	
112	C.I. DOUBLE FLANGER SLUICE VALVES	KIRLOSKAR, IVC, BURN	
113	C.I. DOUBLE LANGED NON-RETURN VALVES	KIRLOSKAR, SANT, KARTAR	
114	C.I. MANHOLES COVERS AND FRAME	B.C.M. FIR, NEFCO, BENGAL IRON CORPORATION, RPMF (ISI MARKED)	
115	UPVC PIPE & ACCESSORIES	SUPREME, PRINCE, FINOLEX, ASHIRWAD, ASTRAL	
116	PTMT BALL VALES	SUPREME, PRINCE, FINOLEX, ASHIRWAD, ASTRAL	
117	PPR PIPES	SFMC, SAFE, POINEER INDUSTRIES	
118	FIRE GLASS FOR VISION PANNELS	SAINT GOVAIN, ASHAI INDIA, MODI	
119	PTMT BIBCOCK/PILLAR COCK/BALLCOCK & OTHER PTMT FITTINGS/ACCESSORIES	PRYAG, POLYTUF, SHAKTI	
120	ROLLING SHUTTEER	RAMA ROLLING SHUTTER, JOTI ROLLING SHUTTER, ANAND INDUSTRUES, SHRI RAM ROLLING	

		SHUTTER
121	POP (PLASTER OF PARIS)	J.K. LAXMI, SRIRAM NIRMAN, SAKARNI, TRIMURTI
122	Fiberglass Reinforced Plastic (FRP) Panelled/Flush Door Shutter & Frame & FRP CHAJJA	FIBREWAYS TECHNOLOGY, SHIV SHAKTI FIBRE UDYOG, SIMBA FRPT PVT. LTD., ADVANCE TECH, YAYNA DOORS, ASHOO MODEL ARTS, FIBRE ENINGEER, FIBRE TECHNO PRODUCTS, JAIN DOORS PVT. LTD.
123	PVC DOORS	RAJSHREE, FINOLEX PLASTICS, M/S JAYNA DOOR IND., KAKA
124	KITCHEN LOFT TANK	SINTEX, TIRUPATI STRUCTURALS LIMITED, K.M.S. PLAST WORLD PRIVATE LIMITED, PLANET PLASTICS, SRI KAMAKSHI TRADERS, SREYAH NOVEL INC.
125	PRECAST CC KERB STONE	DALAL, PAVER INDIA, K.K., NITCO, HINDUSTAN, KJS CONCRETE
126	DUCTILE IRON PIPE (WATER SUPPLY)	ELECTRO STEEL, KESSO, KDUPL, ELECTRO, SPUN & HEPCO
127	FACTORY MADE SECTION WINDOW	ISIS MARK PROCUCT ONLY
128	WC SEAT COVER	JQUAR, KOHLER, GROHE
129	REPAIR /REHABILITATION CHEMICALS	PIDILITE, CHOKSESY, FOSROC, CICO, ASIAN PAINT SMART CARE, SIKA.
130	CEMENT PRIMER	I) M/S ASIAN PAINTS LTD II) M/S SHALINMAR PAINT LTD III) M/S ICI INDIA LTD AKZONOBLE
131	FLY ASH BRICKS	M/S KJS CONCRETE (P) LTD.
132	STONE CLADDING CLAMPS	AXEL, ADITYA
133	PANELLED/WIRE MESH DOOR SHUTTER (Wooden)	JAIN DOORS PVT. LTD.
134	APP WATER PROFFOING TREATMENT	TORCHTAR, APEX, PIDILITE, ASIAN PAINT, IWL INDIA LTD., MAKPHALT, STP Ltd. SIKA
135	PRE CAST RCC BOUDARY WALL POSTS AND PLNELS	KONKRETE PRODUCT COMPANY, RAJASTHAN PRE CAST CONCRETE PROCUTS, KK MANHOLE & GRATINGS COMPANY PVT. LTD.
136	READY MIX CEMENT MORTAR FOR PLASTER	JINDAL, ULTRA TECH, BIRLA, AMBUJA, RAMCO, NCL
137	TOCH LOCKS	DNV
138	WPC DOORS & Frame	ALSTONE, CENTURY PLY, FLORESTA, ARCHID PLY
139	POLYCARBONIC SHEET	LEXAN, COXWELL
140	Kitchen Baskets, SS 304	Godrej, Kaff, AKS, Hettich, Livsmart, Peacock
141	GRG false ceiling	Saint Gobain, Diamond, USG Boral, VANS

Note:-

1. All materials and products shall conform to the relevant slanderers (IS, EN, BS, ASTM, ISO, AS//NZS) as applicable and shall be of approved make Lists.
2. Any other item not covered in the make lists must be got approved from Engineer-in-charge before use/procurement.

The Contractor shall procure and provide all the materials from the manufacturers / suppliers as per the approved make Lists. The equivalent brand for any item shall be permitted to be used in the work, only when the approved Make/Brand is not available. This is, however, subject to documentary evidence produced by the contactor for non-availability of the Make/Brand specified and also subject to independent verification by the Engineer-in-Charge. In exceptional cases, where such approval is required, the decision of Executive Engineer, T-Division as regards equivalent Make of the material shall be final and binding on the Contractor. Nothing extra shall be payable on this account.

Schedule of Quantity

Name of work:- Special Repair of back lane in C&D chummeries quarters under 1/T, Sub Division at Lodhi Colony, New Delhi during 2026-27.

Sl. No	Description	Qty	Unit	Rate	Amount
1	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :				
1.1	All kinds of soil				
1.1.1	Pipes, cables etc. exceeding 80 mm dia. But not exceeding 300 mm dia	280.00	metre	352.15	98602.00
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	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	8.00	cum	6518.60	52149.00
3	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) :				
3.1	25 mm thick	220.00	Sqm	1948.25	428615.00
4	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.	110.00	Sqm	2354.70	259017.00
5	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
5.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	12.00	cum	2434.25	29211.00
6	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead :				
6.1	100 mm dia pipe	115.00	metre	78.00	8970.00

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

7	Providing and laying 60mm thick faciory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	720.00	sqm	972.00	699840.00
8	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	1805.00	sqm	131.75	237809.00
9	Laying old cement cocrete interlocking paver blocks of any design/ shape laid in required line, level, curvature, colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineerin-charge. (Old CC paver blocks shall be supplied by the department free of cost).	1085.00	sqm	402.95	437201.00
10	Providing and fixing soil, waste and vent pipes :				
10.1	100 mm dia				
10.1.1	Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	115.00	metre	1180.75	135786.00
11	Providing and fixing plain bend of required degree.				
11.1	100 mm dia				
11.1.1	Sand cast iron S&S as per IS : 3989	30.00	each	570.05	17102.00
12	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
12.1	100x100x100 mm				
12.1.1	Sand cast iron S&S as per IS - 3989	30.00	each	925.70	27771.00
13	Providing and fixing collar :				
13.1	100 mm				
13.1.1	Sand cast iron S&S as per IS - 3989	30.00	each	513.15	15395.00
14	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 :				
14.1	150 mm diameter	130.00	mtr	695.80	90454.00

15	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 :				
15.1	150 mm diameter S.W. pipe	130.00	mtr	743.10	96603.00
16	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:				
16.1	100x100 mm size P type				
16.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	30.00	each	2707.65	81230.00
17	Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into municipal dumps :				
17.1	150 mm diameter	130.00	mtr	98.45	12799.00
18	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality				
18.1	L D- 2.5				
18.1.1	Rectangular shape 600x450 mm internal dimensions	15.00	each	1437.65	21565.00
18.1.2	Square shape 450 mm internal dimensions	15.00	each	1155.45	17332.00
				Total	**2767450.00**
				Add cost index @ 4.03%	111528.00
				Total	**2878978.00**
				GST Correction Factor 0.973	2801246.00
				Total	**2801246.00**
19	Disposal of building rubbish /malba/ similar unserviceable, dismantled of waste materials including loading, transporting, unloading to C & D waste management site near Jahangir Puri Safai Karamchari quarters at Burari plant ,beyond 50 m initial lead ,for all leads including all lifts involved (Processing fees at prescribed rate of C & D management will be deposited by the agency & shall be reimbursed by the department on production of cash receipt)	100.00	Tonne	584.15	58415.00
20	Deduct for taking away the various articles of material received after execution of concerned/ connected items of dismantling/ demolishing. After getting the dismantling/ demolition completed the material so received shall be got weighed for measurements first and then shall be taken over by the contractor who shall take away the material as his property as and when direcetd by the Engineer-in- charge.				

20.1	CI/MS brackets, GI pipes i/c fittings, SCI/CI pipes including fittings/accessories, SCI/CI floor traps, M.S. Nickel plated/M.S. curtain rods, M.S. grills/M.S. rods/M.S. flats, M.S. doors, M.S. frames of doors/ windows /ventilators, M.S. hold fats/ fasteners, Sectional steel door/windows/ ventilators, M.S. frames of loft tanks, M.S. reinforcement bars etc. and other such material of SCI/CI/Mild Steel.	200.00	Kg	-40.00	-8000.00
				Total	**2851660.00**

Executive Engineer
T-DIVN, CPWD
New Delhi

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil