

# RENOVATION OF CANTEEN OF LIBRARY BUILDING IN PRIME MINISTERS MUSEUM AND LIBRARY

Tender No: PMML/e-tender/Canteen Renovation/2024-25 (Participation through E-Tender only)

Visit: <https://nmml.ewizard.in>

(E-wizard helpdesk 011:49606060)



**PRIME MINISTERS MUSEUM & LIBRARY**  
**TEEN MURTI HOUSE**  
**NEW DELHI – 110011**

**February 2024**

**INDEX.**

**Name of Work: -Renovation of Canteen of Library Building at PMML Campus, New Delhi during 2024-25.**

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**NIT No. PMML/e-tender/Canteen Renovation/2024-25 of Rs. 27,27,317/-/- (Rupees Twenty Seven Lakhs Twenty Seven Thousand Three hundred Seventeen only) having Pages No. (1 to 46) is hereby approved.**

**Director  
PMML Teen  
Murti Campus  
New Delhi**

**NOTICE INVITING e-TENDERS**

The **Director PMML Teen Murti Campus New Delhi**, invites the online **PERCENTAGE RATE** bids from approved and eligible contractors of CPWD in appropriate class for the following work (s): -

**NIT No.** : - **01/PMML/2024-25**

**Name of Work** : **Renovation of Canteen of Library Building at PMML Campus, New Delhi during 2024-25..**

**Estimated Cost** :- **Rs. 27,27,317/-/-**

**Earnest Money** :- **Rs. 54,564/-**

**Period of completion:-** **30 Days**

**Last time and date of submission of tender is 21.02.2025 by 03:00 PM**

The tender forms and other details can be obtained from the website [www.pmml.nic.in](http://www.pmml.nic.in) and [www.nmml.ewizard.in](http://www.nmml.ewizard.in)

**Director  
PMML Teen  
Murti Campus  
New Delhi**

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**GOVERNMENT OF INDIA**

**PRIME MINISTERS MUSEUM AND LIBRARY  
NOTICE INVITING TENDER**

**FOR e-TENDERING**

Percentage rate bids are invited on behalf of Director PMML from approved and eligible contractors appropriate class for the following work

**Name of Work:           Renovation of Canteen of Library Building at PMML Campus, New Delhi during 2024-25.**

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

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

1. The work is estimated to cost **Rs. 27,27,317/-** This estimate, however, is given merely as a rough guide.
2. Agreement shall be drawn with the successful bidders on prescribed (or other Standard Form as mentioned) which is available as a Govt. of India Publication and also available on website [www.pmml.nic.in](http://www.pmml.nic.in) and [www.nmml.ewizard.in](http://www.nmml.ewizard.in) Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **30 Days** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
4. The site for the work shall be made available in parts/Full.
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen from website [www.pmml.nic.in](http://www.pmml.nic.in) and [www.nmml.ewizard.in](http://www.nmml.ewizard.in).
6. After submission of the bid the bidder 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, bidder can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
8. When bids are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted, then the bid submitted earlier shall become invalid.
9. Earnest Money in the form of insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (for balance amount as prescribed) from any of the commercial Banks drawn in favour of **Director, Prime Ministers Museum and Library**, shall be scanned and uploaded to the e-Tendering website within the period of bid submission.

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 lacs, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any Commercial Bank having validity for six months or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

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

Copy of Enlistment Order and certificate of work experience and other documents as specified in the 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 and other documents scanned and uploaded are found in order.

- 9A. The contractors registered prior to 01.04.2015 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 03.00 PM on 21.02.2025**

10. **The bid submitted shall become invalid and e-Tender processing fee (If applicable) shall not be refunded if:**
- (i) The bidder is found ineligible.
  - (ii) The bidder does not upload scanned copies of all the documents stipulated in the bid document.
  - (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted **physically by the lowest bidder** in the office of bid opening authority.
  - (iv) If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / 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 from any of the Commercial Banks in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/ registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. if applicable and also ensure the compliance of aforesaid provisions by the sub-contractors, if any engaged by the contractor for the said work within the period specified in Schedule F.

12. The description of the work is as follows:

**Renovation of Canteen of Library Building at PMML Campus, New Delhi during 2024-25 .**

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

13. The competent authority 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 to rejection.
15. The competent authority 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 bid for the works shall remain open for acceptance for a period of Thirty (30) days from the date of opening of bid.** If any bidders withdraw 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, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidders shall not be allowed to participate in the retendering process of the work.
17. This notice inviting bids shall form a part of the contract document. The successful bidder/contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of: -
- a) The Notice Inviting bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
  - b) Standard C.P.W.D. Form-7 or other Standard C.P.W.D. Form as applicable.
- 20 Water charges @1% Labour Welfare cess @1%, Income Tax, Surcharge and GST as per applicable Govt. rule shall be deducted from the gross amount of the bill.

21. The intending bidders are required to update their profile in CPWD e- tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/uploading tender can be resolved through the concerned Engineer-in-charge or email at [aao.nmml@gov.in](mailto:aao.nmml@gov.in). 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.

**Director  
PMML Teen  
Murli Campus  
New Delhi**

Form 'A'**RECEIPT OF DEPOSITION OF ORIGINAL EMD****(Receipt No..... Date..... )**

Name of work :- **Renovation of Canteen of Library Building at PMML Campus, New Delhi during 2024-25 .**

NIT No. :- .....

Estimated Cost :- **Rs. 27,27,317/-/-**

Earnest money deposit :- **Rs. 54,564/-/-**

Last date of Submission of Bid:- **21.02.2025 upto 03:00 PM.**

# 1. Name of contractor.....

# 2. Form of EMD.....

# 3. Amount of Earnest Money Deposit.....

# 4. Date of submission of EMD.....

# To be filled by EMD receiving in the office of Director of PMML

Signature,  
Name and Designation  
of EMD Receiving officer  
(PMML) along with  
Office stamp



**Form 'F'**

**Undertaking on structural stability and soundness of already completed buildings and infrastructure projects.**

I/we undertake and confirm that any building / infrastructure constructed by our firm /partnership firm/ company has not suffered any failure, making it unfit for intended use, either due to structural design and defects or due to use of sub-standard materials or execution of sub-standard work, poor workmanship or any other reason during the last 25 (twenty five) years.

I/we, further, undertake that if such information comes to the notice of PMML, then Engineer-in-Charge shall be free to terminate the bid/agreement and to forfeit the entire amount of earnest money deposit, performance guarantee and security deposits.

The decision of Engineer-in-Charge or any higher authority shall be final and binding.

Signature of  
notary with seal

Signature of bidder or an  
authorized person of the firm  
with stamp

**Note:** Affidavit to be furnished on a 'Non-judicial' stamp paper of Rs. 200/- (scanned copy of the notarized affidavit to be uploaded at the time of submission of bid).

**INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e- TENDERING**  
**FORMING PART OF NIT AND TO BE POSTED ON WEBSITE**  
**(Applicable for inviting open bids)**

The **Director of PMML Teen Murti Campus, New Delhi.** invites online **PERCENTAGE RATE** bids from approved and eligible Contractors of CPWD in appropriate category for the following work(s): -

S. No.	NIT NO.	Name of work & Location	Estimated cost puts to bid(s)	Earnest money	Stipulated period of completion of work.	Last date of online submission Of bid, copy of receipt of deposition of original EMD and other documents as specified in the bid document.	Date & time of opening of bid
1	2	3	4	5	6	7	8
1	PMML/e-tender/Canteen Renovation/2024-25	<b>Renovation of Canteen of Library Building at PMML Campus, New Delhi during 2024-25 .</b>	<b>Rs. 27,27,317/-/-</b>	<b>Rs. 54,564/-/-</b>	<b>30 Days</b>	<b>upto 03:00 PM</b>	<b>21.02.2025 at 03:30 PM</b>

- 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.
- Information and Instructions for bidders posted on website shall form part of bid document and to be posted on website.**
- 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 [www.pmml.nic.in](http://www.pmml.nic.in) and [www.nmml.ewizard.in](http://www.nmml.ewizard.in).
- But the bid can only be submitted after deposition of original EMD either in the office of inviting bids, Account Payee Demand draft or Bankers Cheque or Fixed Deposit Receipts or/ and Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank towards EMD in favour of **Director, Prime Ministers Museum and Library** as mentioned in NIT, receipt for deposition of original EMD to office of **F.A.O Prime Ministers Museum and Library, Teen Murti House, New Delhi.**
- 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.
- The intending bidder must have valid 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 of each item. The column meant for quoting rate in figures appears in pink colour and the moment rate is entered, it turns sky blue.

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

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

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

1.	Insurance Surety Bonds / Account Payee Demand Draft/ Pay order or Banker’s Cheque/ FDR/Bank Guarantee of any Commercial Bank against EMD.
2.	Copy of receipt for deposition of original EMD to F.A.O, Prime Ministers Museum and Library.
3.	Enlistment order of the contractor.
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 as applicable, then he shall scan and upload following undertaking along with bid documents. "If work is awarded to me, I/we shall obtain GST registration certificate, as applicable, within one month from the date of receipt of award letter or before release of any Payment by CPWD, whichever is earlier, failing which I/we shall be responsible for any delay in payments which will be due towards me/us on account of the work executed and/or for any action taken by CPWD or GST department in this regard".
5.	Undertaking on structural stability and soundness as per prescribed format Form ‘F’.
6.	Any other document as specified in the NIT.

**(Note 1: -** The Contract agency participating in the bid shall ensure the uploading of above mandatory documents in eligibility documents/ additional documents portal so that the same can be free viewed & examined before opening the part of their financial bid.)

**Director  
PMML Teen  
Murli Campus  
New Delhi**

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**GOVERNMENT OF INDIA**  
**PRIME MINISTERS MUSEUM AND LIBRARY**  
**PERCENTAGE RATE TENDER & CONTRACT FOR WORK**  
**Form - 7**

**Tender for the work of:-Renovation of Canteen of Library Building at PMML Campus, New Delhi during 2024-25 .**

To be uploaded by **03:00 PM on 21.02.2025.**

(i) To be opened online through e-wizard portal at **03:30 PM on 21.02.2025.**

**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 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.

A copy of earnest money deposit receipt of prescribed amount deposited in the form of, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (as prescribed) issued by a Commercial 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 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 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 hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

The percentage reduction in the scheduled price of Rs. 27,27,317/- is .....(%)

Dated: #

Signature of Contractor #

Witness: #

Postal Address #

Address: #

Occupation: #

# To be filled by the contractor

**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 Director, PMML for a sum of Rs.

.....\*.....

(Rupees... ..).

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

- (a)
- (b)
- (c)

Signature .....

Dated:

Designation .....

\* To be filled in by EE

<b>PROFORMA OF SCHEDULES</b>	
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**PROFORMA OF SCHEDULES**

**SCHEDULE 'A'**

Schedule of quantities: -Page No. 38 to 47

**SCHEDULE 'D'**

General Conditions	As per page-22 to 26
Special Condition	As per page-27 to 28
Condition for Cement & Steel	As per page- 29 to 30

**SCHEDULE 'E'**

1.	Reference to General Conditions of contract	<b>General Condition of Contract for CPWD works – 2023 (Maintenance work) modified and corrected up to previous day of the last date of submission of tender.</b>
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Name of Work:

**Renovation of Canteen of Library Building at PMML Campus, New Delhi during 2024-25 .**

Estimated Cost of Work :

**Rs. 27,27,317/-/-**

Earnest money:

**Rs. 54,564/-/-**

(i) Performance Guarantee:

5% of tendered value.

(ii) Security Deposit:

2.50% of Tendered value

**SCHEDULE 'F'****General Rules & Directions:**

Officer inviting tender

**: Director of PMML Teen Murti  
Campus, New Delhi**

- Definitions:**
- 2(v) Engineer-in-Charge : Shri A. Tyagi, Consultant (PMML). Office at First Floor, Library Building, PMML
- 2(viii) Accepting Authority : **Director of PMML Teen Murti Campus, New Delhi.**
- 2(x) Percentage on cost of materials and Labour to cover all overheads and profit : **15%**
- 2(xi) Standard schedule of Rates : **DSR 2023 with upto date correction slips & Market Rate.**
- 2(xii) Department : **PMML Department**
- 9(ii) Standard CPWD contract form : **CPWD form – 7, General Conditions of Contract Maintenance work 2023 as modified & corrected up to previous day of last date of submission of tender.**

**Clause-1**

- i) Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and Applicable labour license, registration With EPFO, ESIC and BOCW Welfare Board or proof of applying Thereof from the date of issue of letter of acceptance, : **7 Days**
- ii) Maximum allowable extension Late fee@ 0.1% per day of Performance guarantee amount beyond the period provided in (i) above : **3 Days**

**Clause 2.**

- Authority for fixing compensation under Clause 2. : **Director of PMML Teen Murti Campus, New Delhi**

**Clause 2A**

- Whether Clause 2A shall be applicable : **No**

**Milestone(s) as per table given below:- : Not Applicable**

**Table of Mile Stone (s)**

Sl. No.	Description of Mile Stone (Physical)	Time allowed in days (from date of start)	Amount to be withheld in case of non-achievement of milestone
<b>Not Applicable</b>			

Time allowed for execution of work : **30 Days**

**Authority to Decide:**

1. To convey the decision of shifting of milestone and extension of time : **Director, PMML Teen Murti Campus, New Delhi.**
2. Re-scheduling of mile stones extension of time : **Director , and PMML Teen Murti, Campus New Delhi,**
3. Shifting of date of start in case of delay in handing over of : **Director, PMML Teen Murti campus New Delhi.**

**Clause 5**

Clause applicable – (5 or 5A) : **Clause-5**  
 Number of days from the date of issue of acceptance for reckoning date of start : **10 days**

**Clause 6**

Mode of measurement : **Computerised Measurement book (CMB)/ Electronic Measurement book (EMB)**  
 Mode of measurement : **EMB**

**Clause 7**

Gross work to be done together : **N.A**  
 With net payment/adjustment of advances for material collected  
 If any, since the last such payment for Being eligible to interim payment

**Clause 7 (A)** Whether clause 7A shall be applicable : **No**



**Clause 10 A**

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

**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**  
: **25%**

**Clause 10 CA**

: **Not Applicable**

**Clause 10 CC**

: **Not Applicable**

**Clause 11**

Specification to be followed for this work : **The work shall be carried out as per CPWD Specification 2019 Vol-I & II with upto date correction slips & as per direction of Engineer-in Charge**

**Clause 12**

<b>Type of Work:-</b>	Maintenance work
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**The completion cost for maintenance work shall in no case not exceed 1.50 times of the contract amount.**

Authority to decide deviation upto 1.25 times of tendered amount : Director, PMML, Teen Murti House, New Delhi.

Authority to decide deviation beyond 1.25 times & up to 1.50 times of tendered amount : Director, PMML, Teen Murti House, New Delhi.

12.2 & 12.3 Deviation limit beyond which clause 12.2 & 12.3 shall apply for Building work : **NO LIMIT**  
(All deviated quantities shall be Paid on agreement rates)

12.5(i) Deviation limit beyond which clause 12.2 & 12.3 shall apply for foundation works (except items mentioned in earth work Sub-Head in DSR and related items) : **-----DO-----**

(ii) Deviation limit for items in earth Work subhead of DSR or related items : **-----DO-----**

<b>Clause 16</b>	<b>Competent Authority for Deciding reduced rates: Director, PMML, TMH, ND.</b>	
<b>Clause 18</b>	<i>List of mandatory machinery, tools &amp; plants to be deployed by the contractor at site.</i>	As per requirement at site and direction of Engineer-in-Charge.

**Clause 19**

Clause 19C	Authority to decide penalty for each default-----	} Director, PMML
Clause 19D	Authority to decide penalty for each default-----	
Clause 19G	Authority to decide penalty for each default-----	
Clause 19K	Authority to decide penalty for each default-----	

**Clause 25**

(i)	Conciliator:	Director, PMML, Teen Murti House,ND
(ii)	(ii) Arbitrator Appointing Authority:	-do-
(iii)	(iii) Place of Arbitration:	-do-

**Clause 32**

<b>Clause 32</b>							
<b>“Requirement of Technical Representative (s) and Recovery Rates”</b>							
Sl. No.	Minimum qualification of Technical Representative	Discipline for (Major + Minor component)	Designation (Principal Technical /Technical Representative	Minimum Experience (years)	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 32(i) (Rs per month per person)	
						Figures	words
1	Graduate Engineer or Diploma Engineer	Civil (1)	Project manager cum planning / quality /site billing Engineer	2 or 5 respectively	1	30,000/-	Rupees Thirty Thousand only

**Note:**

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

**Clause 38**

- I) (a) Schedule/statement for determining theoretical quantity of cement & bitumen : Delhi Schedule of Rates 2023
- II) Variations permissible on theoretical quantities:
  - (a) Cement
    - For works with estimated cost put to tender not more than Rs. 25 lakh. : 3% plus/minus.
    - For works with estimated cost put to tender more than Rs. 25 lakh. : 2% plus/minus.
  - (b) Bitumen for all works : 2.5% plus only and nil on minus side.
  - (c) Steel Reinforcement and structural steel sections for each diameter, section and category: 2% plus/minus
  - (d) All other materials. : NIL

**Director  
PMML Teen  
Murli Campus  
New Delhi.**

## 1. SCOPE OF WORK

1.1 The work is situated at Renovation of canteen of Library Building at PMML, Campus New Delhi during 2024-25.

### 2.0 General specifications

2.1 The common & general specifications for accommodations are mentioned below for guidance only.

<b>Structure</b>	-	as per schedule
<b>Masonry</b>	-	-do-
<b>External plaster</b>	-	-do-
<b>External Finishing</b>	-	-do-
<b>Internal Finishing</b>	-	-do-
<b>Windows</b>	-	-do-
<b>Flooring</b>	-	a. Rooms – -do- b. Washrooms & Kitchen – -do- c. Verandah or Porch – -do-.

2.2 <b>Boundary wall</b>	-	-do-
<b>Height</b>	-	-do-
<b>Finishing</b>	-	-do-

## ANNEXURE-I

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

The Agreement made this \_\_\_\_\_ day of \_\_\_\_\_ two thousand and \_\_\_\_\_ between \_\_\_\_\_ son of \_\_\_\_\_ of \_\_\_\_\_ (hereinafter called the Guarantor of the one part) and the Director, PMML (hereinafter called the Government of the other part).

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

AND WHEREAS THE GUARANTOR agreed to give a guarantee to the effect that the said structures will remain water and leak-proof for **five years** from the date of giving of water proofing treatment.

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

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

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

During this period of guarantee, the guarantor shall make good all defects and in case of any defect being found render the building water proof to the satisfaction of the Engineer-in-charge at his cost and shall commence the work for 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 execute the water proofing or commits breach thereunder, 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 WHEREOF these presents have been executed by the Obligor \_\_\_\_\_ and by \_\_\_\_\_ and for and on behalf of the Director, PMML 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 Director, PMML by \_\_\_\_\_

In the presence of –

1. \_\_\_\_\_
2. \_\_\_\_\_

**ANNEXURE-II**  
**GUARANTEE TO BE EXECUTED BY CONTRACTORS FOR REMOVAL OF DEFECTS**  
**AFTER COMPLETION IN RESPECT OF ANTI-TERMITE TREATMENT WORKS.**

The Agreement made this \_\_\_\_\_ day of \_\_\_\_\_ two thousand and \_\_\_\_\_ between \_\_\_\_\_ son of \_\_\_\_\_ of \_\_\_\_\_ (hereinafter called the Guarantor of the one part) and the Director, PMML (hereinafter called the Government of the other part).

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

AND WHEREAS THE GUARANTOR agreed to give a guarantee to the effect that the said structures will remain termite proof for **five years** from the date of giving of termite proof treatment.

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

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

That if the Guarantor fails to execute the termite proofing or commits breach thereunder, 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 WHEREOF these presents have been executed by the Obligor \_\_\_\_\_ and by \_\_\_\_\_ and for and on behalf of the Director, PMML 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 Director, PMML by \_\_\_\_\_

In the presence of –

1. \_\_\_\_\_
2. \_\_\_\_\_

## GENERAL TERMS AND CONDITIONS

1. The contractors are advised to get acquainted with the proposed work and its site and also study the Architectural Drawings, specifications and special conditions carefully before tendering. No claim of any sort shall be entertained on account of any site conditions and ignorance of specifications and special conditions
2. The work shall be carried out as per CPWD specifications 2019 (Vol. I & II) with up to date correction slips. For items which are not covered under CPWD specifications, the special conditions / BIS specifications shall apply. In this regard the decision of Engineer-in-Charge shall be final.
3. All materials, T & P, consumable and contingent articles required for the work shall be arranged by the contractor. Materials used shall be in preference as per the nomenclature of the item / as per approved list / CPWD Specifications and as per directions of Engineer-in-Charge. Replaced materials used shall have same or richer specifications to the original materials and compatible to the work. If any of the accessories available in the market is not ISI marked then decision of engineer in charge is final and will be binding to the contractor.
4. All the malba /rubbish /silt /waste / garden waste etc. generated due to any operation / execution of the work shall be brought down through the stair case and shall not be thrown to the ground directly from the upper floors etc. Malba rubbish generated due to any operation from Bungalows/ quarters / premises and its open spaces whatsoever shall be disposed off by the Contractor to the specified dumping point on daily basis else a recovery of Rs. 100/- per Bungalows/ quarters / premises per day shall be made from contractor. The dumping point should be properly barricaded at all the time and should not give ugly look. This malba / rubbish shall further be disposed to the authorized municipal dhalao / dumping ground as and when the quantity becomes 4.5 cum or one truck and as per direction of Engineer-in-charge. The Malba/rubbish kept inside the dumping point should be covered with sheet or any other suitable material to avoid dust pollution. In case of malba / rubbish does not got removed from dumping point, a recovery of Rs. 1000/- (rupees One thousand) per day shall be made from the contractor after issuing notice in writing by the Engineer in charge of work. If the malba is not removed within three days of notice, the same shall be got removed by the department at the risk and cost of the Contractor and the amount shall be recovered from the bill of Contractor. This is in addition to the recovery of Rs. 1000/- per day for delay in removal of malba
5. The contractor or his representative shall be available at site on every visit of officer-in-charge as well as visit of senior officers.
6. Chases, holes & drilling works etc. shall be done by using power operated tools.
7. The contractor shall have to carry out the work other than day to day maintenance according to program given by the Engineer-in-charge. The contractor shall not carry out any work in any building without permission of Engineer-in-charge or his authorized representatives. The contractor shall have to adhere to this program failing which he shall be wholly responsible for any inconvenience caused to the occupants. No claim for idle labour on any account shall be entertained. The contractor shall depute his representative daily to the site of work. His name and Signature shall be attested by the contractor for record in the department.
8. The site for the collection and stacking of the material shall be got approved from the Engineer-in-charge.
9. The sample of all the items shall have to be got approved by the contractor from the Engineer-in-charge before the supply commences and shall be without prejudiced to the right of the Engineer-in-Charge to get random samples tested out of the actual lot received.

10. The Engineer-in-Charge will be at liberty to take respective sample(s) of each item of Schedule of Quantity in any approved laboratory as decided by him. The sample for testing will be provided by the contractor. All expenditure required to be incurred for taking sample, conveyance, packing and testing charges etc. will be borne by the contractor himself. In case any sample particular lot fails in testing, the contractor will be bound to replace the entire lot with fresh material of prescribed specification and the rejected lot will be returned to the contractor only after fresh lot is supplied.
11. Rejected materials will have to be removed by the contractor at his own cost immediately of the instructions of doing so.
12. In case of any dispute regarding rejection of quality of materials, the decision of the Engineer-in-Charge will be final and binding upon the contractor.
13. Other agencies may also be simultaneously executing some other work entrusted to them by the Engineer-in-charge and the Contractor shall offer necessary co-operation wherever required to these agencies so as not to interfere with or hinder the progress or completion of the work being performed by other Contractor (s). He shall as far as possibly arrange his work and shall place and dispose off the materials being used or removed, so as not to interfere with the operations of other Contractors, or he shall arrange his work with that of the others in an acceptable and coordinated manner and shall perform it in proper sequence to the complete satisfaction of Engineer-in-charge.
14. Contractor shall ensure the cleanness and watch & ward of the premises / vacant bungalows / quarter / garages etc. till further occupation of the same.
15. All taxes applicable at prevalent rates shall have to be paid by the contractor himself and the rates quoted by him shall include these taxes and nothing extra on this account shall be payable.
16. The rates for different items of work shall apply for all heights and depths, leads and lifts unless otherwise specified in the agreement or specifications applicable to the agreement.
17. Any damage done by the contractor to any existing work during the course of execution of the work shall be made good by him at his own cost.
18. Articles manufactured by the reputed firms and approved by Engineer-in-Charge shall only be used. Only articles classified, as 'first quality' by the manufacturer shall be used unless otherwise specified. In case articles bearing ISI certification are not available in the market, quality of samples brought by the contractor shall be judged by standards laid down in the relevant CPWD specifications. For the items not covered by CPWD specifications relevant BIS standards shall apply. The sample of materials to be brought to site for use in work shall be got approved from the Engineer-in-Charge before actual execution of work.
19. The contractor shall submit a detailed program of work within 15 days of the date of award of work. The Engineer-in-Charge can modify the program and the contractor shall have to work accordingly.
20. The quantities of any item shall not be exceeded beyond the agreement quantities without prior permission of Engineer-in-Charge.
21. Statutory recoveries such as on account of GST, Income tax, Surcharge, Construction Worker's Welfare Cess etc. as applicable from time to time shall be made from the gross amount of Running A/c Bill and Final Bill of the contractor.
22. The contractor shall make his own arrangements for obtaining electric connection, if required and make necessary payments directly to the department concerned. In the absence of electric connection or failure of power supply, the Contractor shall make his own arrangement of silent type generators as per NGT Guidelines.
23. The contractor shall make his own arrangement for getting the permission for entry of trucks carrying materials for the site from the traffic police.
24. No payment shall be made to the contractor for any damage caused by rain, snow fall, floods or any other natural causes whatsoever during the execution of work. The damage caused to work shall have to be made good by the contractor at his own cost and no claim on this account shall be entertained.



25. The contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards / signages, warning boards, red flags, red lights and providing necessary barriers / barricading of the construction area and all other measures required from time to time, **nothing extra shall be paid to agency on this account.** He shall be responsible for all damages and accidents caused due to negligence on his part. No hindrance shall be caused to traffic during the execution of the work by storing materials on the road.
26. The contractor shall be fully responsible for the safe custody of the material issued or brought by him to site for doing the work.
27. If due to exigency of work, the work is required to be carried out in more than one shift or during night then Contractor will be bound to execute the work accordingly and arrange the T & P and labour etc. No extra claim on this account shall be entertained.
28. The rate for all items of work shall, unless otherwise clearly specified, include cost of all labour, material and other inputs involved in the execution of the items.
29. In case of any discrepancy found in NIT / tender documents, the order of preference may be read as the following.
  - a) Description of Schedule of quantities
  - b) Particular Specifications, Additional Conditions and Special Conditions, if any.
  - c) Architectural Drawings
  - d) CPWD Specifications with up to date correction slips.
  - e) Indian Standard Specifications / BIS
  - f) Sound engineering practice.
30. Any reference made to any Indian Standard Specifications in these documents, shall imply to the latest version of that standard, including such revisions / amendments as issued by the Bureau of Indian Standards up to last date of receipt of tenders. The contractor shall keep at his own cost all such publications of relevant Indian Standards applicable to the work at site.
31. The contractor will not have any claim in case of any delay by the Engineer-in-Charge in removal of trees or shifting, removing of telegraph, telephone or electric lines (overhead or underground), water and sewer lines and other structure etc., if any which may come in the way of the work. However, suitable extension of time can be granted to cover such delay.
32. The contractor shall clean the site thoroughly of scaffolding materials, rubbish, equipment left out of his work and dress the site around the building to the complete satisfaction of the Engineer-in-charge before the work is treated as completed.
33. No residential accommodation shall be provided to any of the staff engaged by the contractor. The contractor shall also not be allowed to erect any permanent / temporary set up for his staff in the premises.
34. Contractor has to provide drinking water facility in each enquiry office by providing necessary filter (RO) with and his staff. Watch & Ward of Enquiry office shall be the responsibility of the contractor.
35. The contractor shall comply with proper and legal orders and directions of the local or public authority or Municipality and abide by their rules and regulations and pay all fees and charges which he may be liable.
36. The Contractor shall give due notices to Municipality, Police and/ or other authorities that may be required under the law/ rules under force and obtain all requisite licenses for temporary obstructions/ enclosures and pay all charges which may be liveable on account of his execution of the work under the agreement. Nothing extra shall be payable on this account.
37. The work shall be carried out in a manner complying in all respects with the requirements of relevant bye laws of the local bodies, labour laws, minimum wages act, workmen compensation act and other statutory laws enacted by Central Govt. as well as State Govt.

38. Any damage caused due to negligence of contractor during the routine maintenance shall be of firm's responsibility. The firm has to make good the same at his own risk and cost.
39. Site is located in sensitive and high security & VVIP area, where movement and routes are restricted. The Contractor shall have to apply for passes well in advance for carrying out the work. No claim whatsoever shall be entertained for any loss on this account. Some restrictions may be imposed by the Security staff/ Delhi police on the working and for movement of labour, materials etc.
40. The movement of trucks and vehicles shall be regulated in accordance with rules and regulations as approved by competent authority.
41. The Contractor shall be bound to follow all such restrictions / instructions and nothing extra shall be payable on this account.
42. The Contractor is required to prepare and install appropriate number of Display Boards at suitable locations in the colony / office and also at the Service Centre, to apprise the Residents about the details of Engineer-in-charge etc.
43. The Contractor shall not stack building material / malba on NDMC land or road or on the land owned by any other authority and in case of failure to do so, he shall face penal action as per the rules, regulation and bye-laws of the said body or authority. The Engineer-in-Charge shall be at liberty to recover the amount due but not paid to the concerned authorities on account of the above from any amount due to the Contractor including amount of the security deposit or retention money in respect of this Contractor or any other Contract.
44. The contractor or his representative is bound to sign the site order book as and when required by the Engineer-in-Charge and to comply with the remarks therein.
45. The contractor shall take all necessary precautions to prevent any nuisance or inconvenience to the owners, tenants of adjacent properties and to the public in general and to prevent any damage to such properties and any pollution of smoke, streams and waterways. He shall make good at his cost and to the satisfaction of the Engineer-in-Charge, any damage to roads, paths, cross drainage works or public or private property whatsoever caused by the execution of the work or by traffic brought thereon by the contractor. Utmost care shall be taken to keep the noise level to the barest minimum so that no disturbance as far as possible is caused to the occupants / users of adjoining buildings.
46. The agency has to ensure the safety and protection of all the existing fittings, floorings, fixtures and all other building parts during execution of work, **nothing extra shall be paid to agency on this account.**
47. Agency has to submit measurement of work executed during each month, at least once in a month, failing which a recovery of **Rupees Fifty Thousand per month** shall be made from the next Running account / final bill.
48. **Pollution Control Guidelines**  
The guidelines regarding preventive measures for Air Pollution from demolition & construction activities issued by Delhi Pollution Control Committee vide no. DPCC/EIA/Res-001 to 172/NGT-21/2015/225-408 dated 17.04.2015 and any other guide lines issued till date or during the execution of work, in compliance of Hon'ble National Green Tribunal directions, are applicable to the contractor. All appropriate protective measures as per NGT & DPCC guidelines / directions shall be taken by the contractor and nothing extra shall be payable on this account.
49. The contractor shall have to work in pandemic / epidemic conditions such as COVID 19 for which he has to make safety arrangement / measures for the workers / staff and for the premises meant for them, as per guidelines issued by Government and directions issued by Engineer-in-charge from time to time and nothing extra shall be paid on this account.

## SPECIAL CONDITIONS

1. EMD in the name of Director, PMML.
2. One work order of 80 % of project value (27,27,317/-) that is around 22 Lakhs and two works order of 60 % of the project value (27,27,317/-) that is around is 17 Lakhs.
3. Bill along with measurement to be submitted by the agency in complete shape.
4. In any case, final decision of Director will be binding to all.
5. Time for the completion is 30 Days.
6. Full quantity or quantity as decided by Engineer-in- Charge of the materials such as paint, Acrylic emulsion paint, Acrylic distemper or any other material required as per schedule of quantity etc. shall be deposited at the inquiry of concerned sub division within 07 days of start of work.
7. The contractor shall have to get approved the brands / shades of Acrylic Distemper, Synthetic Enamel Paint, Acrylic Emulsion Paint, Exterior Paint or any other material required as per schedule of quantity etc. from the Engineer-in-Charge within 5 days of start of work and also shall be got checked by the Engineer-in-charge or his authorized representative on receipt of it at site before execution of same.
8. The materials required for day's work shall be issued to contractor or his authorized representative daily by the Engineer -in-charge of the work. Any balance of the material left at end of the days of work and the empty containers shall be returned to Engineer -in-charge. The day to day issue account of the materials shall be maintained by the Junior Engineer-in-Charge and shall be signed daily by the Contractor or his authorized agent in token of receipt of the materials failing which no payment of bill shall be made to the Contractor. The empty containers shall not be removed from the site of work without written orders of the Engineer-in-charge.
9. Before the commencement of work, the contractor shall prepare one sample as instructed by the Engineer-in-charge. After the sample is approved by the Engineer-in-Charge, the Contractor shall be allowed to commence the work and the quality of work shall confirm to the approved sample.
10. In case the Bungalows / quarters are not made available to the Contractor according to the programme, the Contractor shall not be entitled for any claim for idle labour or any other claim on any account what-so-ever.
11. No payment will be made to the Contractor for damage caused by rains during the execution of the works and no claim on this account will be entertained.
12. Scrapping shall be shown to the Engineer-in-charge and got approved and test checked by him prior to painting or other finishing work.
13. To avoid disputes later on, contractor is advised to get the measurement recorded within a week's time and shall submit his bills as per relevant clauses of contract. Any dispute regarding measurement including work done shall be judged within a week's time failing which measurement, certified and recorded, shall be entertained.
14. All doors, windows, floors, furniture, electrical fittings and other articles shall be protected from dust, splashes & damage Splashes & droppings from white washing, colour washing, distemping painting etc. on walls, floors, doors and window, down take pipes / furniture shall be removed by the Contractor at his own cost and the surface cleaned simultaneously after the completion of the day's work is done, without waiting for the actual completion of the other items of work of the contract.
15. The Contractor shall comply with the provisions of 'Construction and Demolition Waste Management Rules, 2016' as notified by the Ministry of Environment and Forest vide notification dated 29.03.2016 (available at web address [www.moef.gov.in](http://www.moef.gov.in)).
16. **For some of the specific nature of work such as anti-termite treatment and waterproofing work the specialized agencies to be associated by the contractors. The associated specialized agencies / specialized firm executing the work shall give a specific guarantee that they are responsible for removal of any defects cropping up in these works executed by them during the guarantee period.**
  - a) **The form of the guarantee to be executed by the contractors is given as per annexure attached.**

- b) **10% of the amount pertaining to anti-termite treatment and waterproofing work as security deducted from the bills of the contractors will be refunded after expiry of guarantee period in accordance with the terms of the contract in this behalf.**
17. During execution of work, water supply, installations / fittings & sanitary, installation / fittings, will be dismantled / demolished for which nothing extra shall be paid except the items already exist in the schedule of quantities (civil) attached.
18. Any cement slurry added over base surface (or) for continuation of concreting for better bond is deemed to have been included in the items and nothing extra shall be paid on this account.
19. **If in the description / nomenclature of item the thickness of board / ply is mentioned 18mm thick and manufacturer does not provide / manufacture 18mm thick board / ply then 19mm thick board / ply can be used there, for that nothing extra shall be paid on this account, vice versa.**
20. **Agency should take extra precaution for protection of existing floor, wall, fittings, fixtures etc. Nothing extra shall be paid on this account.**
21. **The dismantled material received from the work shall be the property of contractor for which the credit shall be paid on following rates –**

<b>S. No.</b>	<b>Items / Materials</b>	<b>Rate (in Rs.)</b>
<b>(a)</b>	Cast Iron / Steel Scrap	27.30 per kg.
<b>(b)</b>	CP Fittings	560.75 per kg.
<b>(c)</b>	Aluminium Sections, grills, sheets etc.	112.55 per kg.
<b>(d)</b>	<b>Wooden doors &amp; windows</b>	
<b>(i)</b>	Of area upto 3 sqmt.	1000/- each
<b>(ii)</b>	Of area beyond 3 sqmt.	1500/- each
<b>(e)</b>	Old Bricks	2.30 each

## CONDITIONS FOR CEMENT & STEEL

### 1. Cement

- 1.1 The contractor shall procure 43 grade (conforming to IS 8112) Ordinary Portland cement/PPC as required in the work, from reputed manufacturers of cement, having a production capacity of one million tonnes per annum or more, such as ACC, JK Cement, Ultratech, Shree Cement, etc., i.e. agencies approved by Ministry of Industry, Govt. of India, and holding license to use ISI certification mark for their product. The tenderers may also submit a list of names of cement manufactures which they propose to use in the work. The Engineer-in-charge reserves right to accept or reject name(s) of cement manufacture(s) which the tenderer proposes to use in the work. No change in the tendered rates will be accepted if the Engineer-in-charge does not accept the list of cement manufacturers, given by the tenderer, fully or partially. Supply of cement shall be taken in 50 kg bags bearing manufacturer's name and ISI marking except for concrete from RMC producer where bulk cement can be procured. Samples of cement arranged by the contractor shall be taken by the Engineer in Charge and got tested in accordance with provisions of relevant BIS Codes. In case test results indicate that the cement arranged by the contractor does not conform to the relevant BIS Codes, the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer in Charge to do so. Only the cement with satisfactory test results shall be allowed to be used in the work.
- 1.2 The quantity of cement shall be brought at site as decided by the Engineer in Charge.
- 1.3 Double lock provision shall be made to the door of the cement store. The key of one lock shall remain with the Engineer in Charge or his authorized representative and the key of the other lock shall remain with the contractor. The contractor shall be responsible for the watch and ward and safety of the cement godown.
- 1.4 The contractor shall supply free of charge the cement required for testing and shall also bear the packing, sealing, transportation & other incidental charges. The testing charges of approved laboratory shall be borne by the contractor.
- 1.5 The day to day actual issue/receipt and consumption of cement on work shall be regulated and proper accounts maintained in cement register which shall be issued by Engineer-in-charge.
- 1.6 Cement brought to site and cement remaining unused after completion of work shall not be removed from site without written permission of the Engineer in Charge.
- 1.7 In the event of it being discovered that after the completion of the work the quantity of cement used is less than the quantity ascertained after allowing variation on the minus side as per clause 38, the cost of quantity of cement not so used shall be recovered from the contractor, at the rate of **Rs. 5500/- (Rupees Five Thousand Five hundred only) per metric ton**. This recovery will be in addition to any other recovery otherwise required to be done by the Engineer-in-Charge.

### 2. Steel for Reinforcement:

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

- 1.3 The steel reinforcement shall be stored by the contractor at site of work in such a way as to prevent distortion and corrosion and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking. The cement slurry to be applied to prevent corrosion. The nothing extra shall payable on this account.
- 1.4 For checking nominal mass, tensile strength, bend test, re-bend test etc. specimen of sufficient length shall be cut from each size of the bar section at random at frequency not less than that specified below: -

<b>Size of Bar</b>	<b>For Consignment below 100 tonnes</b>	<b>For Consignment over 100 tonnes</b>
Under 10 mm dia	one sample for each 25 tonnes or part thereof	one sample for each 40 MT or part thereof
10 mm to 16 mm	one sample for each 35 tonnes or part thereof	one sample for each 40MT or part thereof
Over 16 mm dia	one sample for each 45 tonnes or part thereof.	one sample for each 50 MT Or part thereof

- 1.5 The contractor shall supply free of charge the steel reinforcing bars required for testing and shall also bear the packing, sealing, transportation & other incidental charges. The testing charges of approved laboratory shall be borne by the contractor.
- 1.6 The actual issue and consumption of steel on work shall be regulated and proper accounts maintained. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 38 of the contract and shall be governed by conditions laid therein.
- 1.7 Steel brought to site and steel remaining unused shall not be removed from site without the written permission of the Engineer in Charge.
- 1.8 The contractor shall take all precautions to avoid accidents by exhibiting caution boards day and night. The contractor shall be responsible for all damages and accident due to negligence on his part.
- 1.9 The contractor shall arrange steel reinforcement bars as cut and bend bars from approved workshop/suppliers. In case of non-availability of the same on justified reasons, the same can be manufactured at site, however no extra payment whatsoever shall be made for same.



## Minimum Quality Assurance Plan

### 1. Maintenance of Register of Tests

- (i) All the registers of tests to be carried out at Construction Sites or in outside laboratories are maintained by the contractor, which are issued to the contractor by Engineer-in-Charge.
- (ii) All Samples of materials including Cement Concrete Cubes are taken jointly with Contractor by Engineer-in-charge as per percentage stipulated in the NIT or as prescribed in the CPWD Works Manual. All the necessary assistance is to be provided by the contractor. Cost of sample of materials including testing charges is to be borne by the contractor and he/she is responsible for safe custody of samples to be tested at site.
- (iii) All the test in field lab setup at Construction Site are carried out by the Engineering Staff deployed by the contractor preferably. The percentages of tests to be witnessed by the field officers are to be decided by the NIT approving authority and stipulated in the NIT keeping in view the nature of work and should form part of QA Plan. In case, no such provision is made in NIT, provisions of CPWD Works Manual shall be applicable.
- (iv) All the entries in the registers are made by the designated Engineering Staff of the contractor and same is regularly reviewed by the field officers as well as the Engineer-in-Charge. Contractor is responsible for safe custody of all the test registers.
- (v) Contractor shall be responsible for safe custody of all the test registers.

Submission of copy of all Test Registers, Material at Site (MAS) Register along with each alternate Running Account Bill and Final Bill shall be mandatory. These registers should be duly checked by Engineer-in-charge and receipts of registers should also be acknowledged by Accounts Officer by signing the copies and register to confirm receipt in Division office.

### 2. Maintenance of Material at Site (MAS) Register-

- a) All MAS Registers including Cement and Steel Registers are maintained by Contractor which are issued to the contractor by Engineer-in-Charge.
- b) Each entry of receipt of material at site is 100% test checked by Engineer-in-charge.
- c) Each MAS Register is checked by Engineer-in-charge at least once a week.
- d) Cement Register is reviewed by Engineer-in-charge at least once in a month for work at same station and alternate months for work at outstation.
- e) It shall be mandatory for the field staff to retain the self-attested (by agencies / contractors) copies of Tax paid bills of the material entered in the MAS register viz., steel, cement, bitumen, paint, prime, distemper, varnishes, Tile adhesive, admixture, anti-termite chemical, water proofing compound material and any other item as decided by the NIT approving authority.
- f) Self-attested copies of Tax paid bills of material taken in MAS register shall be obtained by the field staff from the agencies/ contractors before settling the payment. In case of any doubt the same can be verified by the filed staff. However, onus of genuineness of Tax paid bills rests with the agencies/ contractors.

### 3. Testing of Material at Site or in lab-

The contractor shall supply free of charge the sample materials required for testing and shall also bear the packing, sealing, transportation & other incidental charges. The material and its frequency to be tested shall be as per CPWD specifications or its relevant codes or as decided by Engineer-in-charge. **The testing charges for all samples shall be borne by the contractor.**

### LIST OF PREFERRED MAKES

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

Sl. No.	Materials	Approved make
1	Ceramic Glazed / Rectified Ceramic Glazed / Vitrified Floor / Wall Tiles	Johnson / Somany / Kajaria / Nitco / Orientbell / AGL / Oasis / Varmora/ Hindware
2	Chequered CC Tiles	Nitco / KK / Unistone / Dalal /Advent / ABC / Krishna / Kirti Spun Pipes
3a	Bathroom CP Fittings (Bungalow)	Jaquar / Johnson / Marc / Cera / Kohler
3b	Bathroom CP Fittings (Servant Quarters, Type 1 & 2)	Prayag
4	Sanitary Wares	Hindware / Kohler / Johnson / Cera / Parryware / Jaquar
5a	Kitchen Sink (Stainless Steel) (Bungalow)	Neelkanth / Jayna / Anupam / Nirali / Cera
5b	Kitchen Sink (Stainless Steel) (Servant Quarters Type 1 & 2)	Prayag
6	PVC Tank (ISI Marked)	Sintex / Storex / Unitank / Sheetal / SPL
7	PVC Cistern	Commander / Duralite / Hindware/ Coral / SteelBird
8	Precast Cement Concrete Slab	Nitco / KK / Konkrete Products Co. / Dalal/ Kirti Spun Pipes
9	G.I. Sheet	SAIL / Tata Shakti / Jindal / Swastik
10	G.I. Pipe (ISI Marked)	Jindal Hissar / Tata / Prakash Surya / Zenith
11	G.I. Fittings (ISI Marked)	Unik / UK / Surya / Prakash
12	Structural steel Sections C, I, Tee, Angle, Flats, Bars etc. (ISI Marked)	TISCO / Jindal / SAIL / Rana / Rathi
13	TMT bars (ISI Marked)	TATA /RINL / SAIL / TISCO
14	Steel tubes hot finished welded Type	BST / Jindal / Ravindra / Surya
15	Block Board, Ply Wood, MDF Board	Century /Duro / Greenply / Merino / Action Tesa Bhutan tuff / Archid Ply /
16	Lamination Sheet / Veneer	Century / Duro / Merino / Greenlam / Bhutan tuff / Archid Ply /
17	Flush Doors	Century / Greenply / Action Tesa / Sumai (Spacewood) / Orion / Duro / Jayna Doors of Jain wood Industries / Jain Doors Pvt. Ltd. / Bhutan tuff / Archid Ply /
18	Factory made chamfered edge CC Interlocking paver Block, Kerb Stone	NITCO / KK / Konkrete/ Terra Firma / Dalal / Advent / Kirti Spun Pipes
19	Precast R.C.C. manhole & gully trap covers, frames and gratings	KK / Konkrete / Pragati
20	Fibre Glass sheet and Chajjas	Rooffit of Shiv Shakti Fiber Udhog / Fibreways Technology / Simba
21	Acrylic washable Distemper	Berger / Nerolac / ICI / Asian / Acro
22	Acrylic Emulsion Paint / Premium Acrylic Emulsion Interior paint	Berger / Nerolac / ICI / Asian / Acro
23	Premium acrylic emulsion / Acrylic Emulsion Exterior Paint	Berger / Nerolac / ICI / Asian / Acro
24	Primer	Berger / Nerolac / ICI / Asian / Acro
25	Synthetic Enamel Paint	Berger / Nerolac / ICI / Asian / Acro
26	P.O.P.	J.K. / Laxmi / Birla / Asian Paint / Sakarni
27	Decorative Paints	Oikos / SKK / Armourcoat / Ultratech / Acro
28	Modular kitchen Accessories	Stallion / Sparkle Top / Hettich / Godrej / Hafele / Dorset / Blum / Kich / Hardueyn
29	Brass Door / Window Fittings	Sigma / Bush / Dorset / Hettich / Dorma / Hardueyn
30	Dash Fastener	Hilti / Fisher / Canon / Wuerth
31	Hydraulic Door Closer	Hardwyn / Godrej / Dorma / Dorset / Hafele
32	Lock & Latches	Godrej / Dorset / Hafele / Geze / Dorma / Hardueyn



33	White Cement based Putty	Birla Wall Care / J.K. Wall Care / Berger
34	Aluminum Sections	Jindal / Hindalco / Indalco / Indo-Alusys
35	Centrifugally Cast Iron Pipe & Fittings	Neco / Truform / Techno Sales Corporations / BIC / RPMF / SKF
36	Tempered Glass / Glass Pan	Modi Float / Saint Gobain / Asahi / Atul
37	Bevelled Edge Mirror	Atul / Saint Gobain / Modi Guard / Golden Fish
38	PTMT Fittings	Prayag / Wilson / Polytuf
39	Polymer Modified Cementitious Grout	BalEndura / Laticrete / Ferrous Crete / MAKPHALT
40	Non Shrink Cementous Grout	Xypex / Fosroc / Krytone / Ferocrete/
41	AC Pipes (Mazza)	A Infrastructure Ltd. / ApurvaVinimay Pvt. Ltd. / Kanoria Sugar Gen. Mfg. Co. Ltd.
42	Cement Board	Bison / Everest / Shalimar / NCL
43	Aluminium Composite Panels	Aludecore / Alstone / Alstrong / Alucobond / Aluco Pan / Virgo / Alutech
44	Wood Polish	Asian Paints / Pidlite Industries / ICIDulux / Wembley
45	Gypsum Board	St. Gobain / Gyproc Gypsum / Boral / Everest
46	Calcium Silicate False Ceiling System Along with supportings	Aerolite / Everest / NCL / Hilux/ Gyptech
47	All hardware and fittings other than brass for doors, windows etc.	Dorma / Hafele / Geze / Ozone / Kich / Hettich / Dorset / Hardwyn
48	Adhesive / Epoxy Grout for Floor Tiles, Marble Stone, Granite Stone etc.	Ferrous Crete / Ardex Endure (Goldstar) / Pidlite (FevimateXI) / MYKLaticrete / Weber / CICO / MAKPHALT/ Home Pride
49	Water proofing compounds	Grace / Fosroc / BASF / Pidilite / CICO / SIKA / MC Bauchemie / STP Ltd. / MAKPHALT
50	FRP Doors & Frames	Ashoo Model Arts, Selected Product Co., FiberwaysTachnology and Jayna Doors of Jain wood Industries, Jain Doors Pvt. Ltd.
51	Laminated flooring	Action Tesa / Vista / Pergo / Parador
52	Stainless Steel Railing	Kich / Dorma / Q Railing / Fitwell
53	Cement (OPC / PPC)	ACC / JK Cement / Ultratech / Shree Cement
54	Engineered wooden flooring	Mikasa (Greenlam Industries Ltd.), / Pergo / Parador /Woodart
55	Drapery Rod	Vista / MAC / Magnum
56	PVC Pipe / CPVC Pipe	Supreme / Astral / Ashirvad / Prakash / Finolex
57	Foam / Cushion	Sleepwell / Kurl-on / MM Foam
58	Fabric / Cloth for Sofa	Eden / Kundan / Bealene / GM / Velvolene and Nimoco
59	Fabric / Cloth for Curtain	G.M. Fabric / Neptune Furnishing India Pvt. Ltd. / Shri Radhika Furnishing / Jai Mahavir Textile Pvt. Ltd. / New Castle / MahavirLoomtexPvt. Ltd. / Bombay Dyeing
60	GRG false ceiling	Diamond ceilings / Gyproc (Saint Gobain) / USG Boral / Gyptech
61	Metal false Ceiling	Armstrong, Hunter Douglas, gyptech Hi-Steel.
62	APP (Atactic Polypropylene Polymer)	Shivam tar product, MAK PHALT
63	CI Valve	Deepak valve
64	U.P.V.C fitting	Kaka Industries, Rajshri Plastiwood

**Note:- The weight and thickness of the material should be as per CPWD Specification / relevant IS code / manufacturer specification.**

**On non-judicial stamp paper of minimum Rs. 100**

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

**Form of Bank Guarantee for Earnest Money Deposit / performance Guarantee /  
Security Deposit**

1. Whereas the Director ..... Prime Ministers Museum and Library on behalf of the competent authority ..... (NIT number) ..... dated or. (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 Director, PMML, New Delhi on behalf of the competent authority, Prime Ministers Museum and Library 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 from the said Contractor for compliance of his obligations in accordance with the terms and conditions of the agreement.

2. We, ..... (indicate the name of the bank) (herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs..... (Rupees only) on demand by the Government within 10 days of the demand.
3. We, ..... (indicate the name of the Bank) do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor. Any such demand made on the Bank shall, be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs..... (Rupees only)
4. We, ..... (indicate the name of the Bank) , further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the contractor shall have no claim against us for making such payment.
5. We,..... (indicate the name of the Bank) further agree that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said agreement to extend time of performance by the said contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said contractor or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. We,..... (indicate the name of the Bank) further agree that the Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.

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

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

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

Date.....

Witnesses:

Signature.....

Authorized signatory Name and address

Name Designation Staff code no.

Signature.....

Bank seal

Name and address

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

**FORM OF PERFORMANCE SECURITY (GUARANTEE)**  
**BANK GUARANTEE BOND**

In consideration of the Director, Prime Ministers Museum and Library having offered to accept the terms and conditions of the proposed agreement between.....and .....(hereinafter called “the said Contractor(s)”) for the work..... (hereafter called “the said agreement”) having agreed to production of a irrevocable Bank Guarantee for Rs.....(Rupees.....only) as a security/guarantee from the contractor(s) for compliance of this obligations in accordance with the terms and conditions in the said agreement.

We.....here in after referred to as “the Bank”) hereby (Indicate the name of the Bank) undertake to pay to the Government in amount not exceeding Rs.....(Rupees.....Only) on demand by the Government.

- 2) We ..... do hereby undertake to pay the amounts due and payable (indicate the name of the Bank) under this Guarantee without any demure, 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(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. .... (Rupees ..... only).
- 3) We, the said bank further undertake to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.  
The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.
- 4) We..... further agree that the guarantee herein contained (indicate the name of the Bank)shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-in-Charge on behalf of the government certified that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor(s) and accordingly discharges this guarantee.
- 5) We ..... further agree with the Government that (indicate the name of the Bank) the Government shall have the fullest liberty without our consent and without effecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) 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 (s) and to for bear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contractor(s) or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said contractor(s) 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) This guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).
- 7) We..... lastly undertake not to revoke this (indicate the name of the Bank) guarantee except with the previous consent of the Government in writing.
- 8) This guarantee shall be valid upto \_\_\_\_\_. Unless extended on demand by Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. \_\_\_\_\_(Rs. \_\_\_\_\_only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.  
Dated the \_\_\_\_\_day of \_\_\_\_\_for  
\_\_\_\_\_ (indicate the name of bank)

**Schedule of Work**

**NAME OF WORK: - Renovation of Canteen of Library Building at PMML Campus, New Delhi during 2024-25.**

S.No	Description	Qty	Unit	Rate	Amount
1	Disposal of moorum/building rubbish/malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge. Note - item to be applicable in urban areas having directions for restricted hours for movement/plying of load carrying motor vehicle of 3.5 cum or more.	20.00	Cum	494.10	9882.00
	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
2.1	All kinds of soil.	16.00	Cum	260.3	4164.80
3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lift.	27.00	Cum	196.00	5292.00
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
4.1	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	10.00	Cum	7878.50	78785.00
4.2	1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	5.00	Cum	7294.70	36473.50
5	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
5.1	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	1.20	Cum	8583.4	10300.08
6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				

6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:	50.00	Kg.	107.85	5392.50
7	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
7.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	6.00	cum	7132.25	42793.50
8	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				
8.1	Cement mortar 1:4 (1 cement :4 coarse sand)	64.00	sqm	1123.80	71923.20
9	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels.				
9.1	Granite stone slab of colour black, Cherry/Ruby red				
9.1.1	Area of slab over 0.50 sqm	140.00	sqm	5136.30	177513.00
10	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	2.00	metre	1267.95	1137.00
11	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
11.1	125 mm	20.00	each	66.25	1325.00
12	Providing and fixing stainless steel fancy handle of approved make fixed with SS screws etc. complete as per direction of Engineer-in-charge.				
12.1	200 mm	20.00	each	186.65	3733.00



13	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	3000.00	Kg.	133.7	401100.00
14.1	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with :				
14.1	5.5 mm thick glass panes	45.00	sqm	1390.15	62556.75
15	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) :				
15.1	25 mm thick	80.00	sqm	1948.25	155860.00
16	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement: 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.				
16.1	Size of Tile 800x800 mm	160.00	sqm	1885.50	301680.00
17	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing				



	to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :				
17.1	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)	30.00	sqm	1355.8	40674.00
18	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) of total coated thickness 0.50mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05mm) with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	50.00	sqm	738.65	36932.50
19	15 mm cement plaster on rough side of single or half brick wall of mix:				
19.1	1:6 (1 cement: 6 coarse sand)	150.00	sqm	395.35	59302.50
20	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	200.00	sqm	262.70	52540.00
21	Finishing walls with Acrylic Smooth exterior paint of required shade :				
21.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)	200.00	sqm	160.60	32120.00
22	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	200.00	sqm	156.05	31210.00

23	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
23.1	Two coats	200.00	Sqm	142.80	28560.00
24	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.				
24.1	With cement mortar 1:4 (1 cement : 4 fine sand)	100.00	sqm	547.40	54740.00
25	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3 mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufactured of density at 25°C, 0.87 - 0.89 kg/litre and viscosity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/5 cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane :				
25.1	3 mm thick	80.00	sqm	537.45	42996.00
26	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
26.1	In cement mortar	7.00	Cum	2060.20	14421.40
27	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :				

27.1	W.C. pan with ISI marked white solid plastic seat and lid	2.00	each	6515.55	13031.10
28	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:				
28.1	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	2.00	each	2648.85	5297.70
29	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :				
29.1	Kitchen sink without drain board				
29.1.1	610x510 mm bowl depth 200 mm	3.00	each	4940.8	14822.40
30	Providing and fixing toilet paper holder :				
30.1	C.P. brass	6.00	each	803.70	4822.20
31	Providing and fixing soil, waste and vent pipes : 100 mm dia				
31.1	Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	15.00	Metre	1180.75	17711.25
32	Providing and filling the joints with spun yarn, cement slurry and cement mortar 1:2 ( 1 cement : 2 fine sand) in S.C.I./ C.I. Pipes :				
32.1	100 mm dia pipe	8.00	each	198.15	1585.20
33	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
33.1	100 mm dia, Sand cast iron S&S as per IS – 3989	6.00	each	705.20	4231.20
34	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.				
34.1	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	4.00	each	708.95	2835.80
35	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.				
35.1	Internal work - Exposed on wall				
35.1.1	15 mm dia nominal bore	30.00	metre	366.40	10992.00
36	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :				
36.1	15 mm dia nominal bore	80.00	metre	580.45	46436.00
36.2	20 mm dia nominal bore	80.00	metre	635.20	50816.00
37	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable	6000	Per litre	11.00	66000.00

	locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.				
38	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
38.1	15 mm nominal bore	8.00	each	506.8	4054.40
39	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 :				
39.1	150 mm diameter	35.00	metre	695.80	24353.00
40	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design :				
40.1	150 mm diameter S.W. pipe	35.00	metre	1179.85	41294.75
41	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:				
41.1	150 x 100 mm size P type				
41.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2.00	each	2734.2	5468.40
42	Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :				
42.1	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :				
42.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	3.00	each	12770.55	38311.65
43	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS:				

	733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
43.1	For fixed portion				
43.1.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	400.00	Kg.	530.9	212360.00
43.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
43.2.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	150.00	Kg.	634.45	95167.50
44	Providing and fixing of external wall system on Light gauge steel frame work with outer face cement boards as per standard sizes fixed with self- drilling / tapping screws / fasteners @ 60cm c/c of approved make. A groove of 2 mm to 3mm shall be maintained and grooves shall be sealed with silicon based sealant. The board shall be fixed in a staggered pattern. Screws shall be of counter sunk rib head of 1.60mm to 4 mm thick or 8 to 10 gauge of length varying from 25 to 45 mm and. Internal face 12.5 mm thick gypsum plaster board fixed on cement board as per standard sizes fixed with self- drilling / tapping screws / fasteners @ 60cm c/c of approved make, proper taping and jointing to be done using fiber mesh tape and epoxy and acrylic based jointing compound for seamless finish.(cost of frame work to be paid for separately)				
44.1	Outer face: Outer face having 8 mm thick cement bonded particle Board fixed on 10 mm thick cement bonded particle board. (Termite, Fire and Moisture Resistance) as per IS 14276:1995. Inner face:-12.5 mm thick gypsum plaster board conforming to IS 2095:2011 fixed on 8 mm thick cement bonded particle board (Termite, fire and moisture resistance) confirming to IS:14276:1995)	77.00	sqm	3167.85	243924.45
45	Dismantling APP (Atactic Polypropylene Polymer) & Broken tile laid in cement mortar including stacking material within 50 metres lead. modified prefabricated five layer, 3 mm thick water proofing membrane direction by Enginner-in-charge..	212.00	sqm	139.50	29574.00
46	Providing and fixing C.P. Brass Single Lever Basin mixer without popup waste system with	2.00	each	4162.20	8324.00

	450mm long Barided Hoses Cat No. VGP-CHR-81011B of Jaquar make or equivalent as approved by Engineer in- charge.				
47	Providing and fixing Hand shower Health Faucet ABS with 1.2 m Flexible PVC Tube & Wall Hook of Hindware make (Cat No.F160038 ) as approved by Engineer-in-charge.	2.00	each	1078.10	2156.20
48	Providing and fixing 5mm thick looking mirror of superior quality approved make or equivalent) with 6 mm thick commercial plywood in back of looking mirror & fixed to wooden cleats with C.P. brass screws & washers complete with 30 x 12 mm wide 2nd class teakwood ornamental beading all around the mirror including polishing and fixing with teakwood plug etc. complete as per direction of Engineer-in -charge.	2.00	each	2671.00	5342.00
	<b>Total of DSR item</b>				<b>2721456.00</b>
	<b>Modified estimated cost after using correction factor on DSR 2023 on a/c of GST @0.973 (Item No. 1 to 44.1)</b>			2676060.00	<b>2603806.38</b>
	<b>Add cost index@ 3%</b>				<b>78114.19</b>
	<b>Net Total</b>				<b>2681920.57</b>
	<b>Add Non Schedule Item No. 45 to 48</b>				<b>45396.00</b>
	<b>Total</b>				<b>2727317.00</b>

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