

# INDEX

**Name of Work:** Repairing of waterproofing work by dismantling top course of roofing i.c. plastering and finishing of parapet wall at the terrace of HPT Mall Road, Delhi.

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Certified that N.I.T. contains page 01 to 38

This N.I.T is approved for ₹ 8,88,926/- (Rupees Eight Lac Eighty Eight Thousand Nine Hundred Twenty Six Only).

Vide N.I.T. No. 17/EE (C)/M.D-II/NIT/2026-27

**EXECUTIVE ENGINEER (CIVIL)**

Sr. Associate

**PRASAR BHARATI**  
**ALL INDIA RADIO : CIVIL CONSTRUCTION WING**  
**INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING**  
**FORMING PART OF BID DOCUMENT AND TO BE POSTED ON WEBSITE**

The Executive Engineer(Civil), CCW, Akashvani, Metro Div-II, 5<sup>th</sup> Floor, Soochna Bhawan, Lodhi Road, New Delhi on behalf of President of India invites **Online Percentage Rate Tenders** from approved and eligible contractors of C.P.W.D. and those of appropriate list of M.E.S., B.S.N.L., Railways and Delhi State P.W.D.(B&R) for the following work:-

| Sr. No. | NIT No.                     | Name of work                                                                                                                                               | Estimated cost put to bid | Earnest Money | Period of Completion | Last date & time of submission of bid | Period for submission of tender documents to the Division Office.   | Time & date of opening of Bid |
|---------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------|----------------------|---------------------------------------|---------------------------------------------------------------------|-------------------------------|
| 1       | 2                           | 3                                                                                                                                                          | 4                         | 5             | 6                    | 7                                     | 8                                                                   | 9                             |
| 1.      | 17/EE(C)/M.D-II/NIT/2026-27 | Repairing of waterproofing work by dismantling top course of roofing i.e. plastering and finishing of parapet wall at the terrace of HPT Mall Road, Delhi. | ₹ 8,88,926/-              | ₹ 17,779/-    | 03 (Three) Months    | 16.09.2026 Upto 11:00 AM              | Within 07 (Seven) days from opening of tender by the lowest bidder. | 16.09.2026 at 11:30 A.M       |

- 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.
- The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <https://prasarbharati.eproc.in> free of cost.
- But the bid can only be submitted after depositing processing fee in favour of C1 India Company" through their e-gateway provision.
  - Uploading the mandatory scanned documents such as Demand Draft or pay order or Banker's cheque or Deposit at call receipt or fixed deposit receipts and bank guarantee of any scheduled bank towards EMD in favour of respective Executive Engineer and other documents as specified.
  - The amount of EMD can be paid by multiple Demand Draft/Pay Order /Banker's Cheque /Deposit at call receipt/FDR's along with multiple Bank Guarantee of any schedule bank, if EMD is also acceptable in the form of Bank Guarantee.

iii) Detailed procedure can be seen in the CPWD -6 for e-tendering.

1. 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.
2. The intending bidder must have **valid class-III digital signature** to submit the bid.
3. On opening date, the contractor can login and see the bid opening process.
4. Contractor can upload documents in the form of JPG / PDF format.
5. It is pertinent to mention, that following charges have already been considered in the Eproc portal.

| Estimated Value                                           | Processing Fees per Tender per Bidder |
|-----------------------------------------------------------|---------------------------------------|
| Less than or Equal to ₹ 10 Lakhs                          | ₹ 475.00 + Applicable GST             |
| More than ₹10 Lakhs but Less than or equals to ₹ 50 Lakhs | ₹ 925.00 + Applicable GST             |
| More than ₹ 50 Lakhs                                      | ₹ 1150.00 + Applicable GST            |

**List of Documents other than financial instruments to be scanned and uploaded within the period of bid submission:**

1. Treasury challan/ Demand Draft/ Pay order or Banker's Cheque/ Deposit at Call Receipt/ FDR/ Bank Guarantee of any scheduled Bank against EMD.
2. Receipt of deposition of original EMD. (EMD can be deposited in any CCW Division offices located in Delhi).
3. Enlistment order of the Contractor/ Agency.
4. **Certificate of work experience. (Issued by an authority not below the rank of executive Engineer) Certificate submitted by the bidder shall clearly indicate the.**
  - a. Name of work (b) Actual amount of work done (c) Stipulated Date of Start (d) Stipulated Date of Completion (e) Actual date of completion (f) EOT details (in case any of the above details are not indicated in the work done certificate such bids will not be considered for opening).
5. GST of concerned state and an undertaking **"If the bidder has not obtained GST registration in the state in which the work is to be taken up, or as required by GST authorities then in such a case the bidder shall scan and upload following undertaking on non-judicial stamp paper of Rs. 10/- duly notarized. (Name of work clearly elaborated on first page of affidavit) along with other bid documents. The undertaking required is as below.**

**UNDERTAKING**

"If work is awarded to me, I/we shall obtain GST registration certificate of the state, in which work is to be taken up (**in this case Delhi State**), within 30 days from the date of receipt of award letter or before release of any payment, failing which I/we shall be responsible for any delay in payment which will be due towards me/ us on account of the work executed and/ or for any action taken by CCW, AKASHVANI or GST department in this regard".

6. GST acknowledgement of upto date filed return as per NIT stipulation.
7. Copy of pan card.
8. **Affidavit as mentioned below on non-judicial stamp paper of Rs. 100/- duly notarized. (Name of work & NIT No. clearly elaborated on first page of affidavit).**
  1. I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for bidding in **CCW, AKASHVANI** in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee. **(Scanned copy to be uploaded at the time of submission of bid)**
  2. The certified copy of all the scanned and uploaded documents specified in the press tender notice shall be deposited by me/ us with the **Executive Engineer** calling the tender in case I / we become the lowest tenderer within a week of the opening of the financial bid otherwise the department (CCW, AKASHVANI) may reject the tender and take the action to debar me/ us from tendering in CCW, AKASHVANI for a period of three years and can write to the competent authority for cancellation of my/ our enlistment. **(Original papers of the uploaded documents shall be shown for verification).**

**The bid forms and other details can be obtained from the website <https://prasarbharati.eproc.in>.**

**EXECUTIVE ENGINEER (CIVIL)**

## **RECEIPT OF DEPOSITION OF ORIGINAL EMD**

**Receipt No...... dated .....**

**Name of work :**      **Repairing of waterproofing work by dismantling top course of roofing i.c. plastering and finishing of parapet wall at the terrace of HPT Mall Road, Delhi.**

**NIT No. 17/E.E(C)/M.D-II/NIT/2026-27**

- 1. Estimated Cost ₹ 8,88,926/-**
- 2. Amount of Earnest Money Deposit ₹ 17,779/-**
- 3. Last date & time of submission of bid :- 16.09.2026 Upto 11:00 AM.**
- 4. Time & date of opening of Bid:- 16.09.2026 at 11:30 A.M.**

Name of  
Contractor:.....

1. Form of EMD : .....
2. Amount of Earnest Money Deposit: .....
3. Date of submission of EMD : .....

Signature, Name and Designation  
of EMD Receiving officer with  
Stamp (EE/ASW/A.E/ AAO/  
AUDITOR)

**CPWD-6 FOR e-TENDERING**

Percentage Rate tenders are invited on behalf of the President of India from approved and eligible contractors of C.P.W.D. and those of appropriate list of M.E.S. , B.S.N.L., Railways and Delhi State P.W.D.(B&R) for the work of:

**Name of Work : Repairing of waterproofing work by dismantling top course of roofing i.c. plastering and finishing of parapet wall at the terrace of HPT Mall Road, Delhi.**

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

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.

- 1.1 The work is estimated to cost **₹ 8,88,926/-**. This estimate, however, is given merely as a rough guide.

- 1.1.1 The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the tenders. He will also nominate Division which will deal with all matters relating to the invitation of tenders.

For composite tender, besides indicating the combined estimated cost put to tender, should clearly indicates the estimated cost of each component separately. The eligibility of tenderer will correspond to the combined estimated cost of different components put to tender.

- 1.2 Intending tenderer is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:-

Three similar works each of value not less than **₹ 3.56 Lacs** or two similar works each of value not less than **₹ 5.33 Lacs** or one similar work of value not less than **₹ 7.11 Lacs** in last 7 years ending **31.08.2026**. **The similar works shall mean "Building Works/ Water Proofing Works". The onus of proving eligibility lies with the contractor. The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to the last date of receipt of applications for tender.**

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

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

1. Agreement shall be drawn with the successful tenderer on prescribed Form No. C.P.W.D 7/8 (or other Standard Form as mentioned) which is available as a Govt. of India Publication. Tenderer shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
2. The time allowed for carrying out the work will be **03 (Three) Months** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
3. The site for the work is available.
4. The tender document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen from website <https://prasarbharati.eproc.in> free of cost.
5. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of tender as notified.
6. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of tender as notified.
7. Earnest money in the form of Treasury challan or demand draft or pay order or Banker's cheque or deposit at call receipt or fixed deposit receipt (drawn in favour of **PB (BCI), Executive Engineer (C), CCW, AIR, Metro Div-I, Delhi** shall be scanned and uploaded to the e-Tendering website within the period of bid submission and **original submitted in any CCW Division offices located in Delhi upto stipulated date and time mentioned in NIT and receive a receipt by the concerned authority in prescribed format.**  
A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or ₹ 20 Lac, whichever is less, shall have to be deposited in shape prescribed above, and balance/ may be deposited in shape of Bank Guarantee of any scheduled bank having validity for six months or more from the last date of receipt of tenders which is to be scanned and uploaded by the intending bidders.

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

- i) **e-Tender Processing Fee –₹ 475/- (+) Applicable GST shall be payable to C1 India Company" through their e-gateway provision.**

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 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, who has deposited e-Tender processing fee with C1 India Company and Earnest money deposited and other documents scanned and uploaded are found in order.**

**The bid submitted shall be opened at 11:30 A.M on 16.09.2026**

9. **The bid submitted shall become invalid and e-tender processing fee shall not be refunded if:**
- i) **The bidder is found ineligible.**
  - ii) **The bidder does not upload all the documents (including GST registration) as stipulated in the bid document.**
  - iii) **If any discrepancy is noticed between documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest tenderer in the office of tender opening authority.**
10. The contractor whose bid is accepted, will be required to furnish **performance guarantee of 05% (Five Percent) of the estimate cost put to tender or contract amount whichever is higher** 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 according with the prescribe from. 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 tender shall be returned after receiving the aforesaid performance guarantee.**
11. Requirement of **Additional Performance Guarantee (APG)**: In case a bid will be treated as abnormally low if the quoted bid amount is lesser than 80% of the estimated cost put to tender, the bidder shall be required to submit additional performance guarantee (APG) in additional to the standard performance guarantee (PG). The amount of additional performance guarantee (APG) shall be equivalent to the difference between the 80% amount of estimated cost put to tender and quoted amount. 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 according with the prescribe from. 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 other terms and conditions of release etc. of APG shall be same as that of P.G.**
12. Intending Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer 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 tenderer 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 tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

13. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.
14. Canvassing whether directly or indirectly, in connection with tenderers is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
15. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
16. The contractor shall not be permitted to tender for works in the CCW, AKASHVANI Circle (responsible for award and execution of contracts) in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the All India Radio, Civil Construction Wing or in the Ministry of Information and Broadcasting. Any breach of this condition by the contractor would render him liable to be debarred from tendering in this department.
17. No Engineer of gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.
18. The tender for the works shall remain open for acceptance for a period of **30 (Thirty) Days** from the date of opening of tenders (**strike out as the case may be**) if any tenderer withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender 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 tenderer shall not be allowed to participate in the retendering process of the work.
19. This notice inviting Tender shall form a part of the contract document. The successful tenderer/contractor, on acceptance of his tender 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 Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time of invitation of tender and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
- b) Standard C.P.W.D form 7/8 or other Standard C.P.W.D. Form as mentioned.

**EXECUTIVE ENGINEER (CIVIL)**

This NIT is approved for ₹ 8,88,926/- (Rupees Eight Lac Eighty Eight Thousand Nine Hundred Twenty Six Only).

CPWD FORM NO.- 7

**PRASAR BHARATI  
CIVIL CONSTRUCTION WING: AKASHVANI**

|                                |                                  |
|--------------------------------|----------------------------------|
| <b>STATE : DELHI</b>           | <b>CIRCLE : SE(C)-III</b>        |
| <b>BRANCH : CCW, AKASHVANI</b> | <b>DIVISION : Metro Div.-II</b>  |
| <b>ZONE : NORTH</b>            | <b>SUB-DIV : Metro Sub Div-I</b> |

**PERCENTAGE RATE TENDER & CONTRACT FOR WORK**

**Name of Work : Repairing of waterproofing work by dismantling top course of roofing i.e. plastering and finishing of parapet wall at the terrace of HPT Mall Road, Delhi.**

To be opened in presence of tenderers who may be present at **11:30 AM** on **16.09.2026** in the office of **The Executive Engineer(Civil), CCW, AKASHVANI, Metro Div-II, 5<sup>th</sup> Floor, Soochna Bhawan, Lodhi Road, New Delhi.**

**T E N D E R**

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 and other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

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

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

A sum of **₹ 17,779/-** is hereby forwarded in Cash / Receipt Treasury Challan / Deposit at Call Receipt of a Scheduled Bank/ FDR of a Scheduled Bank / Demand Draft of a Scheduled Bank / Bank guarantee issued by a schedule bank as earnest money.

A copy of earnest money in receipt treasury challan/deposit at call receipt of a scheduled bank/fixed deposit receipt of scheduled bank/demand draft of a scheduled bank/bank guarantee issued by a scheduled bank is scanned and uploaded (strike out as the case may be). If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/ We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

**Further, I/We agree that in case of forfeiture of earnest money or both Earnest Money & Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.**

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

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

Dated.....

Signature of Contractor.....

Postal Address.....

Mobile No. ....

E-Mail .....

## ACCEPTANCE

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

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

For & on behalf of the President of India.

Signature .....  
**EXECUTIVE ENGINEER (CIVIL)**

Dated.....

## SCHEDULE

### SCHEDULE 'A'

Schedule of quantities - As Enclosed

### SCHEDULE 'D'

Extra schedule for specific requirements/ documents for the work, if any.

### SCHEDULE 'E'

**Reference to GCC- 2023 for maintenance work with upto date correction slips upto the last date of receipt of online bid i/c extension.**

**Name of Work : Repairing of waterproofing work by dismantling top course of roofing i.c. plastering and finishing of parapet wall at the terrace of HPT Mall Road, Delhi.**

|     |                                  |                                                                                                                                                                             |
|-----|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.2 | Estimated Cost of work           | <b>₹ 8,88,926/-</b>                                                                                                                                                         |
| 1.3 | Earnest Money                    | <b>₹ 17,779/-</b>                                                                                                                                                           |
| 1.4 | Performance Guarantee            | <b>05% of the estimate cost put to tender or contract amount whichever is higher</b>                                                                                        |
| 1.5 | Additional Performance Guarantee | <b>The amount of additional performance guarantee (APG) shall be equivalent to the difference between the 80% amount of estimated cost put to tender and quoted amount.</b> |
| 1.6 | Security Deposit                 | <b>05% of tendered value</b>                                                                                                                                                |

**SCHEDULE 'F':-**

General Rules &amp; Directions:-

Officer Inviting Tender:

O/o the Executive Engineer  
(C), CCW, Akashvani, Metro  
Div-II, 5<sup>th</sup> Floor, Sochna  
Bhawan, Lodhi Road, New  
Delhi.

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

- Refer clause 12

**Definitions:-**

|          |                                                                                                                                  |                                                                                                                                                                               |
|----------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2(vi)    | Engineer-In-Charge                                                                                                               | Executive Engineer ,CCW,<br>AKASHVANI                                                                                                                                         |
| 2(viii)  | Accepting Authority                                                                                                              | Executive Engineer, CCW,<br>AKASHVANI                                                                                                                                         |
| 2(x)     | Percentage on cost of materials<br>and labour to cover all overheads<br>and profits.                                             | 15%                                                                                                                                                                           |
| 2(x) (b) | Standard Schedule of Rates                                                                                                       | DSR- 2023 with upto date<br>correction slip upto the last date of<br>receipt of online bid i/c extension<br>and Market rate.                                                  |
| 2(xi)    | Department                                                                                                                       | Civil Construction Wing, All,<br>India, Radio                                                                                                                                 |
| 9(ii)    | Standard CPWD Contract Form<br>GCC 2023, CPWD form CPWD<br>form 7/8 as modified and<br>corrected upto date correction<br>slips.. | GCC 2023 for maintenance work<br>with upto date correction slips,<br>CPWD form 7 with modified and<br>corrected upto the last date of<br>receipt of online bid i/c extension. |

**Clause-1:-**

|     |                                                                                                                                                 |                |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| i.  | Time allowed for submission of<br>performance guarantee &<br>additional performance guarantee<br>after date of issue of letter of<br>acceptance | 7 (Seven) Days |
| ii. | Maximum allowable extension<br>beyond the period as provided in<br>(i) above                                                                    | 3 (Three) Days |

**Clause-2:-**

|    |                                                      |                                                                                          |
|----|------------------------------------------------------|------------------------------------------------------------------------------------------|
| i. | Authority for fixing<br>compensation under clause-2. | <b>Superintending Engineer (C)-III,<br/>CCW, Akashvani, Sochna Bhawan<br/>New Delhi.</b> |
|----|------------------------------------------------------|------------------------------------------------------------------------------------------|

**Clause-2A:-**

|     |                                 |                       |
|-----|---------------------------------|-----------------------|
| ii. | Applicable clause 2/ Clause 2A. | <b>Not Applicable</b> |
|-----|---------------------------------|-----------------------|

**Clause-5:-**

|                                                                                                  |                |
|--------------------------------------------------------------------------------------------------|----------------|
| Number of days from the date of issue<br>of letter of acceptance for reckoning<br>date of start. | <b>10 Days</b> |
|--------------------------------------------------------------------------------------------------|----------------|

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

| <b>Sr. No.</b> | <b>Description of Mile stone (Physical)</b> | <b>Time allowed in days (from date of start)</b> | <b>Amount to be withheld in case of non achievement of milestone.</b> |
|----------------|---------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------|
| <b>Blank</b>   |                                             |                                                  |                                                                       |

**Time allowed for execution of work:- 03 (Three) Months**

**Authority to decide**

|                                                                    |                                        |
|--------------------------------------------------------------------|----------------------------------------|
| Extension of time for completion of work                           | <b>Engineer-in-Charge</b>              |
| Rescheduling of mile stones                                        | <b>Superintending Engineer (Civil)</b> |
| Shifting of date of start in case of delay in handing over of site | <b>Superintending Engineer (Civil)</b> |

**Clause-6**

|                      |                                                                   |
|----------------------|-------------------------------------------------------------------|
| Mode of measurement: | <b>CMB (Computerized M.B will be prepared by the Contractor).</b> |
|----------------------|-------------------------------------------------------------------|

**Clause-7:-**

|                                                                                                                                                                              |                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Gross work to be done together with net payment / adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment . | <b>R/A amounting to ₹ 5.00 Lac/ As per direction of Engineer-in-Charge.</b>                |
| <b>Clause-7A:</b>                                                                                                                                                            | <b>Not Applicable.</b>                                                                     |
| <b>Clause 10B</b>                                                                                                                                                            | <b>Not Applicable.</b>                                                                     |
| <b>Clause 10C</b>                                                                                                                                                            | <b>Not Applicable</b>                                                                      |
| <b>Clause-10-CC:-</b>                                                                                                                                                        | <b>Not Applicable.</b>                                                                     |
| <b>Clause-11:-</b> Specifications to be followed for                                                                                                                         | C.P.W.D. Specifications 2019 Vol. I & II execution of work with upto date correction slips |

**Clause-12:-**

|                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>As per GCC- 2023 for maintenance work with upto date correction slips upto the last date of receipt of online bid i/c extension.</b> |
| <b>a)</b> Deviation cannot be exceeded by 1.50 times of Tendered value. Work executed beyond above limit will neither be recorded nor be paid.<br><b>b)</b> Payment of extra/deviation maintenance items born on DSR-2023 shall be paid as per scheduled rates by applying correction factor on DSR 2023 on account of GST @ 0.973 and prevailing cost index and plus %age above or below of quoted contract amount. |                                                                                                                                         |

**Type of work: Maintenance/ renovation work.**

|                                                                                               |                                |
|-----------------------------------------------------------------------------------------------|--------------------------------|
| <b>Clause-12.2:-</b> Deviation limit beyond which clauses 12.2 shall apply for building work: | No limit for Maintenance Work. |
|-----------------------------------------------------------------------------------------------|--------------------------------|

|                                                          |                                                                                                                                                                                              |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Clause-16:-</b> Competent Authority for reduced rates | Executive Engineer (Civil)                                                                                                                                                                   |
| <b>Clause 18:</b>                                        | Mandatory machinery, tools & plants to be deployed by the Contractor at site.                                                                                                                |
| <b>Clause 19C:</b>                                       | Engineer-in-Charge authority to decide penalty for each default.                                                                                                                             |
| <b>Clause 19D:</b>                                       | Engineer-in-Charge authority to decide penalty for each default.                                                                                                                             |
| <b>Clause 19G:</b>                                       | Engineer-in-Charge authority to decide penalty for each default.                                                                                                                             |
| <b>Clause 19K:</b>                                       | Engineer-in-Charge authority to decide penalty for each default.                                                                                                                             |
| <b>Clause 25:</b>                                        | Conciliator:– Chief Engineer (Civil), CCW, Akashwani, New Delhi.<br>Arbitrator appointing authority:- Chief Engineer (Civil), CCW, Akashwani, New Delhi.<br>Place of Arbitration:- New Delhi |

**Clause-32 Requirement of Technical Representative(s) and recovery Rate.**

| S. No | Cost of work (in Lakhs) | Minimum Qualification of Technical Representative | No. | Minimum Exp. (years) | Designation (Principal Technical/ Technical Representative) | Rate at which recovery shall be made from contractor in the event of non-deployment. |
|-------|-------------------------|---------------------------------------------------|-----|----------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 1.    | Nil                     |                                                   |     |                      |                                                             |                                                                                      |

**Assistant Engineers retired from Government Services that are holding Diploma will be treated at par with Graduate Engineers.**

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

Rate of recovery in case of non-compliance of Clause 32(i) be stipulated at following rates:-

| S.I. No. | Qualification               | Experience (years) | Rate of recovery |
|----------|-----------------------------|--------------------|------------------|
| (i)      | Project Manager with Degree | 10                 | ₹ 30,000/-p.m.   |
| (ii)     | Graduate Engineer           | 5                  | ₹ 25,000/-p.m.   |
| (iii)    | Graduate Engineer           | 2                  | ₹ 15,000/-p.m.   |
| (iv)     | Diploma Engineer            | 5                  | ₹ 15,000/-p.m.   |

**Clause-38:-**

**i. (a) Schedule/ statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2023 printed by CPWD.**

**ii. Variations permissible on theoretical quantities:**

|                                                                                                                                                               |                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| a. Cement<br>For works with estimated cost put to tender for not more than Rs. 25 Lakh.<br>For works with estimated cost put to tender more than Rs. 25 Lakh. | <b>3% plus / minus.</b><br><b>2% plus/ minus</b>     |
| b. Bitumen all works                                                                                                                                          | <b>2.5% plus &amp; only &amp; nil on minus side.</b> |
| c. Steel reinforcement and structural steel section for each diameter, section and category                                                                   | <b>2% plus/ minus</b>                                |

**EXECUTIVE ENGINEER (CIVIL)**

## **GENERAL CONDITIONS**

### **MATERIALS ARRANGED BY THE CONTRACTOR**

#### **1. CONDITIONS FOR CEMENT**

1. The contractor shall procure 43 grade (conforming to IS 8112) ordinary Portland cement/or Portland Pozzolana cement(PPC)(Flyash based) confirming to IS 1489 Part I, as required in the work, from reputed manufacturers of cement, having a production capacity of one million tonnes or more per annum, such as ACC, L&T, J.P.Rewa, Vikram, Shri Cement, Birla Jute & Cement Corporation of India etc. as approved by Ministry of Industry Government of India, and holding licence to use ISI certification mark for their product. The tenderers may also submit a list of names of cement manufacturers which they propose to use in work. The tender accepting authority reserves right to accept or reject name(s) of cement manufacturer(s) which the tenderer proposes to use in the work. No change in tender rates will be accepted if the tender accepting authority does not accept the list of cement manufacturers, given by the tenderer, fully or partially. Supply of cement shall be taken in 50 Kg bags bearing manufacturer's name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer-in-Charge and got tested in accordance with provisions of 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. The cement shall be brought at site in bulk supply of approximately 50 tonnes or as decided by the Engineer-in-Charge.
2. The cement shall be brought at site in bulk supply of approximately 50 tonnes or as decided by the Engineer-in-charge.
3. The cement godown of the capacity to store a minimum of 2000 or less bags of cement (if required as decided by Engineer-in-Charge) shall be constructed by the contractor at site of work for which no extra payment shall be made. Double lock provision shall be made to the door of the cement godown. The keys of one lock shall remain with the Engineer-in-Charge or his authorized representative and the keys of the other lock shall remain with the contractor. The contractor shall be responsible for the watch and ward and safety of the cement godown. The contractor shall facilitate the inspection of the cement godown by the Engineer-in-Charge at any time.
4. The cement shall be got tested by Engineer-in-Charge and shall be used on work only. After test results have been received. The contractor shall supply free of charge the cement required for testing including all expenditure to be incurred for testing of samples e.g packaging, sealing, transportation, loading, unloading etc including testing shall be born by the contractor.
5. The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein.

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.
7. Damaged cement shall be removed from site immediately by the contractor on receipt of a notice in writing from the Engineer-in-Charge. If he does not do so within three days of the receipt of such notice, the Engineer-in-Charge shall get it removed at the cost of the contractor.
8. For, R.C.C work OPC Cement will be used, however for other items PPC Cement may be used.

## 2. CONDITIONS FOR STEEL

- i) The contractor shall procure Thermo Mechanically Treated / Cold twisted steel reinforcement bars conforming to relevant BIS codes from main producers as approved by the Ministry of Steel and secondary producers or 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 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 time from written orders from the Engineer-in-Charge to do so.
- ii) The steel reinforcement shall be brought to the site in bulk supply of 10 tonnes or more or as decided by the Engineer-in-Charge.
- iii) 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.
- iv) 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 at random at frequency not less than that specified below:

| SIZE OF BAR           | FOR CONSIGNMENT BELOW 100 TONNES              | FOR CONSIGNMENT ABOVE 100 TONNES              |
|-----------------------|-----------------------------------------------|-----------------------------------------------|
| Under 10mm dia Bars   | One sample for each 25 tonnes or part thereof | One sample for each 40 tonnes or part thereof |
| 10mm to 16mm dia bars | One sample for each 35 tonnes or part thereof | One sample for each 45 tonnes or part thereof |
| Over 16mm dia Bars    | One sample for each 45 tonnes or part thereof | One sample for each 50 tonnes or part thereof |

- v. The contractor shall supply free of charge the steel required for testing. The cost of tests shall be borne by the contractor/ Department in the manner indicated below:
  - a) By the contractor, if the results show that the steel does not conform to relevant BIS codes.
  - b) By the Department, if the results show that the steel conforms to relevant BIS codes.
- vi. The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein.
- vii. Steel brought to site and steel remaining unused shall not be removed from site without the written permission of the Engineer-in-Charge.

#### 1. **CONDITIONS FOR PAINT**

- 1. Surface shall be brushed and cleaned nicely before application of primer and the paint.
- 2. The paint should be brought at site in a bulk after approval of shade ( No local mixing of pigment is allowed at site ) and it should be kept in the custody of **AE (C)-P/ AE(C)** and should be issued to work as per requirement and a register of paint should be maintain accordingly.
- 3. All empty drums / bucket of the used paint shall be kept in the safe custody of **AE (C)-P/ AE(C)** for production to the higher authority, during inspection of work.

**FORM OF PERFORMANCE GUARANTEE**  
**BANK GUARANTEE BOND**

In consideration of the President of India (hereinafter called "The Government") having offered to accept the terms and conditions of the proposed agreement between \_\_\_\_\_ and \_\_\_\_\_ (hereinafter called "the said contractor(s)" for the work \_\_\_\_\_ (hereinafter called "The said agreement") having agreed to production of a irrevocable Bank Guarantee for ₹. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) as security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We \_\_\_\_\_ (hereinafter referred to as "the Bank) hereby undertake to (indicate the name of the bank) pay to the Government an amount not exceeding ₹. \_\_\_\_\_ (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 ₹. \_\_\_\_\_ (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 shall (indicate the name of the Bank) 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 the government (indicate name of the bank) 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 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(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 guarantee except (indicate the name of Bank) 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 ₹. \_\_\_\_\_ (Rupees \_\_\_\_\_ 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)

**EXECUTIVE ENGINEER (CIVIL)**

**GUARANTEE BOND TO BE EXECUTED BY THE CONTRACTOR  
FOR REMOVAL OF DEFECTS AFTER COMPLETION IN RESPECT OF  
WATER-PROOFING WORKS (All Water - Proofing Items).**

The agreement made this..... day of ..... (Two Thousand \_\_\_\_\_ only) .....between .....S/o .....(hereinafter called the GUARANTOR of the one part) and the PRESIDENT OF INDIA (hereinafter called the Government of the other part)

WHEREAS THIS agreement is supplementary to a contract (Hereinafter called the Contract) dated ..... and made between the GUARANTOR OF THE ONE PART AND the Government of the other part whereby the contractor inter alia undertook to render the building and structures in the said contract recited completely water and leak-proof.

AND WHEREAS THE GUARANTOR agreed to give a guarantee to the affect that the said work will remain water and leak proof, for 10 (Ten) Years from the date of completion of work.

NOW THE GUARANTOR hereby guarantee that work executed by him will render the structures completely leak proof and the minimum life of such water proofing treatment shall be 10 (Ten) Years to be reckoned from the date after the expiry of maintenance period prescribed in the contract.

The decision of the Engineer-in-charge with regard to nature and cause of defect shall be final and binding on Guarantor.

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 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 successor against all loss, damage, cost expense or otherwise which may be incurred by him by reason of any default on the part of the GUARANTOR in performance and observance of this supplementary agreement. As to the amount of loss and/or damage and / or cost incurred by the Government, the decision of the Engineer-in-charge will be final and binding on both the parties.

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

SIGNED, sealed and delivered by OBLIGATOR in the presence of :-

1. .... 2. ....

SIGNED FOR AND BEHALF OF THE PRESIDENT OF INDIA  
BY.....in the presence of :-

1. .... 2. ....

### **ADDITIONAL CONDITIONS**

1. Contractors shall co-ordinate and co-operate with the other agencies e.g. Electrical & authorized representative of local bodies for construction of their respective items of work being executed simultaneously in same building.
2. The contractor shall give to the Municipality, Police and other local authorities all notices etc. that may be required by law and obtain all requisite licence, permission for temporary construction that may be required for execution of work obstruction in public places & pay all fines, taxes and charges which may be liable on account of their operation, in executing the contract. They shall make good any damage to adjoining property whether public or private and shall supply and maintain any (either for illumination or for cautioning the public) required at night
3. The contractors shall make his own arrangement for temporary electric - connection at works, if required and make necessary payment for it directly to the department concerned. The wiring done by the contractor shall conform to the electrical regulation of statutory bodies and will be consistent with the safety requirements of the side. The Engineer-in-charge's decision regarding the safety aspect shall be final and binding on the contractor.
4. The contractor shall provide adequate lighting arrangement as approved by the Engineer-in-charge for carrying out the works during night times when required and provide all other facilities for the labour employed to carry out the works without any extra charge. Necessary lighting as directed by the Engineer-in-charge shall also be provided by the contractor without any extra charges for yard lighting as well as to cover the entire site including those required for safety and security reasons.
5. The day to day receipts and issue of cement shall be governed as per the 'direction of Engineer-in-charge.
6. The rate for different items of work shall apply for all heights and depths unless otherwise specified and no such claim on this account shall be entertained. The rate of all items of works shall unless clearly specified otherwise include cost of all labours, material & other inputs involved in the execution of the items.
7. The contractor's rate shall among other things include the cost of working in multiple shifts round the clock. if necessary including. gazette holiday and the cost of mobilization. of all type of resources" T & P, lighting etc.
8. The contractor shall leave such recesses, holes, openings etc as may be required for electrical and sanitary works. No extra payment shall be made to him on this account.
9. The contractors shall make adequate fire fighting arrangement and shall be fully responsible for any fire consequences at the work site.
10. Materials shall conform to CPWD specifications. No extra payment will be admissible to the agency for transportation for CPWD specified materials from and to outside Delhi. The agency's rates will be deemed to be included in the quoted rates.
11. Where the contractor is required to provide materials of certain sizes or weights which may have become out of market due to change over to metric standards, substitute conforming to the nearest higher equivalents as approved by the Engineer-in-charge shall be used. No claim to extra payment shall be entertained on this account.
12. All materials, articles and workmanship shall be the BEST of their respective kind for the class of work described in the contract, specification and schedule of quantities. All materials shall be subject to the approval of the Engineer-in-charge. The word "BEST" used in those specifications shall mean that in the opinion of the Engineer-in-charge there is no superior quality of material or

finish of articles in the market available for the nature of the item described in the contract schedule. The Engineer-in-charge or his authorized representative shall have the absolute power to make the contractor purchases and use such materials of particular source as may, in his opinion be necessary for proper compliance with the specification and execution of work.

13. The water shall be tested by the contractor with regard to the suitability for use in construction works and nothing extra shall be paid thereon.
14. Wherever the worked CPWD refers in the printed book of "general conditions of contract for central P.W.D. works it may be read as "CCW, Akashvani".
15. Steel shuttering shall be used in all the CC & RCC work.
16. English version of the contract including corrections any shall deemed to be accepted for all contractual obligations.
17. Cement and steel required to complete the work shall be arranged by the contractor. The contractor is required to produce the proof of purchase of cement and steel as and when desired by the Engineer-in-charge.
- 18. The contractor shall quote rates including all other taxes, Cess, levies and GST. Contractor shall submit GST invoice along with bill for payment.**
19. The agency may ensure/ see the water table condition at site. The agency shall make his own arrangement for pumping out sub-soil water/rain water during execution of work and nothing extra shall be payable on account of pumping out of sub-soil water, water and on account of working under water or liquid mud and under foul position.
20. The clause 37(i) provisions regarding reimbursement of service tax in standard CPWD contract form 8 stands deleted. Hence, no service tax reimbursement is applicable, mentioned in the contract elsewhere.
21. The bidder should also read the General Conditions of Contract - 2023 (Maintenance work) for CPWD works, published by DG (W), CPWD, Nirman Bhawan, New Delhi. Which will be a part of the Agreement with up to date amendments upto the date of receipt of tenders/ bids. (It can be seen in Division office before submission of tender).
22. The agency will be bound to dispose the dismantled materials and rubbish received from the work out of campus. Nothing will be paid extra for that.
23. The recovery will be mandatory for dismantled material recovered during execution of work, whether contractor refuse to take away the material. In this case cost of disposal will also be recovered from the contractor.
24. The contractor shall clear the site properly after the completion of the work.
25. All the items of work shall have to be taken up-sequentially i.e. after the patch repairs are carried out in one room, white/colour washing will be taken in the same room and thereafter painting shall have to be got completed.
26. Some restrictions may be imposed by the security staff etc. on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restriction /instructions and nothing extra shall be payable on this account.
27. The material such as paints, varnish distempers, water proofing cement paint and primers etc. as required shall be of approved brand and manufactures, and of required shade and confirming (in all respects) to the relevant I.S. specifications.
- 28. All the malba or rubbish obtained from dismantling or otherwise during the execution of the work shall be brought down through the staircase and shall not be thrown to the ground directly from all floors of the building. this shall be carried and stacked properly to the specified common disposal point at site. Nothing extra shall be paid on this account.**

29. The contractor shall have to get the shades of all types of paints, distemper, water proofing cement paint etc. approved from the Engineer-in-charge before procurement of materials.
30. Nothing extra shall be paid to the contractor for excess consumption of material.
31. All materials required for work shall be brought at site in full quantity by the agency and the bills/ vouchers will be submitted by the Agency at the same time.
32. Contractor shall take immediate action to attend any complaint assigned to him through site order book/ whatsapp/ Verbal instruction or on mobile or any communication means in all cases he shall attend the complaints within time assigned by the Engineer-in-Charge.
33. Any damage to work resulting from weathering conditions, defacing or from any other cause such as negligent act on the part of contractor, until the work is taken over by the Department after completion of work, shall be made good by the contractor at his own cost.
34. Any permission required for the execution of this work from local bodies like PWD, DJB, DMRC, Delhi Police, TPDDL, MCD etc. will be taken by the agency its own.
35. All safety measure has to be taken by the agency during execution of work.
36. At the occurring of accident (if any) agency has to pay compensation to the labour as per rule or as decided by Competent Court/Authority.

#### **SPECIAL CONDITION FOR WATER PROOFING WORK**

The water proofing items shall be got done through the Specialized firms only

1. **10 (Ten) Years Guarantee bond in prescribed Performa shall be submitted by the contractor which shall also be signed by both the specialized agency and the contractor to meet their Liability/liabilities under the guarantee bond. However, the sole responsibility about Performance/efficiency of water proofing treatment shall rest with the building contractor.**
2. **10% of the cost shall be retained as security deposit for water proofing work in addition to normal security deposit and the amount so withheld would be released after 10 (Ten) years reckoned from the date after the maintenance period prescribed in the contract.**
3. **However, the security deposit deducted may be released in full against bank guarantee of equivalent amount in favour of Engineer-in-Charge, if so decided by the Engineer-in-Charge. The security deposit against this item of work shall be in addition to the security deposit.**

**EXECUTIVE ENGINEER (CIVIL)**

**LIST OF PREFERRED MAKES OF MATERIALS FOR CIVIL WORKS**

1. The Contractor shall obtain prior approval from the Engineer-in-charge before placing order for any specific material or engaging any of the specialized agencies.
2. Wherever applicable, the Engineer-in-charge may approve any material equivalent to that specified in the tender subject to proof being offered by the Contractor for equivalence to his satisfaction.
3. Unless otherwise specified, the brand/make of the material as specified in the item nomenclature, in the particular specifications and in the list of approved materials attached in the tender, shall be used in the work.
4. In case of non availability of the brand specified in the contract or ISI marked materials, the contractor shall be allowed to use alternate equivalent brand of the material subject to submission of documentary evidence of non-availability of the specified brand. Necessary cost adjustments on account of above change shall be made for the material, if required.

**MATERIALS: BRAND/MAKE**

| S. No. | MATERIALS                                   | APPROVED MAKE                                                                                                                   |
|--------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 1.     | White Cement                                | J. K. White, Birla White                                                                                                        |
| 2.     | Damp proof Material                         | Impermo Duraseal, Acco-proof                                                                                                    |
| 3.     | Admixture                                   | Forsroc, MC                                                                                                                     |
| 4.     | Super plasticizer                           | MC Baucheme, Sika, Fosroc                                                                                                       |
| 5.     | Water Proofing Compound (Liquid)            | Pidiproof Ltd., Cico, Impermo, Tape Crete                                                                                       |
| 6.     | Stainless Steel                             | Jindal Stainless Steel, Salem Steel, Hardwyn                                                                                    |
| 7.     | Galvanized/Stainless Steel Anchor Fasteners | Shakti, Arrow, Hilti, Fischer                                                                                                   |
| 8.     | PVC Tiles                                   | Arm Strong, LG or equivalent                                                                                                    |
| 9.     | Glazed Ceramic Tiles                        | Kajaria, Somany, Nitco, Orienbell, Johnson, Asian                                                                               |
| 10.    | Vitrified /Porcelain Tile                   | Euro, Somany, diamond of Naveen, Granamite of Bell ceramic, Granito, Kajaria, (MarboNite ) Johnson, Orient, Orienbell and Asian |
| 11.    | Terrazzo tiles (Precast)/Plain/Chequered    | Nitco, Hindustan, Modern                                                                                                        |
| 12.    | Cement Concrete Tiles/Hardonite tiles       | Nitco, NTC, Hindustan, JCC tiles precast Ltd.                                                                                   |
| 13.    | Tiles Adhesive 70                           | Cico, Pidilite, ferrous                                                                                                         |
| 14.    | CC Pavers                                   | Nitco-(Rocard), Tuftek, Hindustan, Modern & equivalent                                                                          |
| 15.    | Adhesive Tape                               | Pidilite Donlop, Vamorganic,                                                                                                    |
| 16.    | Clay tiles on rough                         | Kenzai, Johnson                                                                                                                 |
| 17.    | Acid/Alkali Resistant Tile                  | Somany, Nitco, Kajariya, Bell Granamite Group, Johnson                                                                          |
| 18.    | Polymer Modified Cementitious grout         | Bal Endura, Pidilite or equivalent                                                                                              |

|     |                                                      |                                                                                                                         |
|-----|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| 19. | Glass Mosaic Tile                                    | Bissazza, Saon or equivalent                                                                                            |
| 20. | Hardner                                              | Hard crete of Snowcem India, MC Deritop F.H.                                                                            |
| 21. | Grass paver                                          | Unistone Ultra, Shree Supertitle , Modern                                                                               |
| 22. | Flush Doors shutter<br>(Decorative/Non Decorative)   | Kitlam, National, Swastic, Corbett                                                                                      |
| 23. | FRP Shutters                                         | Fibre Glass Engineers, Raipur, Aashoo Model                                                                             |
| 24. | PVC Shutter                                          | Rajshri, Sintex or equivalent                                                                                           |
| 25. | Ply Wood                                             | Kitply, Duro, Century                                                                                                   |
| 26. | Pre-laminated Particle Board                         | Action Tesa , Nepal Board                                                                                               |
| 27. | Melamine Polish                                      | Melamine of Asian Paint, Wudfin of pidilite Industries, Timbertone of ICI Dullex.                                       |
| 28. | Laminate                                             | Marino, Greenlam, Decolam, Century, Formica                                                                             |
| 29. | Anodised Aluminium Hardware<br>(Heavy Duty)          | Hardima, Everite, Sigma(ISI Marked)                                                                                     |
| 30. | Stainless Steel Screws                               | Kundan, Arrow or equivalent                                                                                             |
| 31. | Aluminium Extrusions                                 | Hindalco, Indalco, Jindal                                                                                               |
| 32. | Polyster powder coating Shades                       | Nerolac, Berger, J & N                                                                                                  |
| 33. | Panic exit device                                    | Ingeersoll, Hardwyn, Everest                                                                                            |
| 34. | Fricion stay hinges                                  | Earl- Bihari                                                                                                            |
| 35. | Nuts Bolts and Screws (steels)                       | Kundan , Priya Atul                                                                                                     |
| 36. | EPDM gasket                                          | Hanu/ Anand                                                                                                             |
| 37. | Adhesive Tape                                        | Norton,                                                                                                                 |
| 38. | Hydraulic Floor spring                               | Hardwyn, Godrej or equivalent                                                                                           |
| 39. | Hydraulic Door Closer                                | Hardwyn, Godrej or equivalent                                                                                           |
| 40. | Annealed Float Glass                                 | Saint Gobain, Modi Guard, Hindustan Pilkington                                                                          |
| 41. | Synthetic Enamel Paints                              | ICI(Dulux),Asian (Apolite),Berger (Luxol),Nerolac (NST)                                                                 |
| 42. | Water Proofing Cement paint                          | Snowcem, Kilicknixon, Durocem, Berger, ICI India LTD. Shalimar                                                          |
| 43. | Acrylic smooth exterior paint with silicon additives | Apex ultima (Asian paints ), weather coat all guard (Berger paints)/ and weather shield ( Powerflexx ) of Dulux Paints. |
| 44. | Plastic emulsion paint                               | Berger, Nerolec , ICI India LTD                                                                                         |
| 45. | Structural Silicon Sealant                           | Dow Corning, Wacker, GE, Du-pont                                                                                        |
| 46. | Epoxy Primer & Paints                                | Berger, Pidilite or equivalent                                                                                          |
| 47. | C.I. Manholes covers                                 | B. C. RIF                                                                                                               |
| 48. | UPVC Pipes                                           | Supreme , Prince, Finolex                                                                                               |
| 49. | Unglazed Vetrified Tiles                             | Johnson – (Endura ), Somany-(Dura Stone ), Regancy (Tiles)                                                              |
| 50. | GI Pipe                                              | Tata, Jindal-Hisar                                                                                                      |
| 51. | GI fitting                                           | Unik, ICS or equivalent                                                                                                 |
| 52. | Centrifugally Cast Iron Pipe & Fittings              | Neco, RIF, SKF                                                                                                          |
| 53. | Polyester Powder Coating                             | Nerolac, Berger, J&N                                                                                                    |
| 54. | Gun Metal Gate Valve                                 | Zoloto, Leader, SANT                                                                                                    |
| 55. | PVC Rain Water Pipe & Fitting                        | Finolax, Classic of Kisan or equivalent                                                                                 |

|     |                                                                            |                                                                                            |
|-----|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| 56. | Primer                                                                     | Asian, ICI, Berger, Nerolac                                                                |
| 57. | Oil Bound Distemper                                                        | Asian(Tractor), ICI (Maxi lite),Berger(Bison),Nerolac (NAD)                                |
| 58. | Acrylic Emulsion Paint                                                     | Asian (Royale), ICI (Velvet), Berger (Luxol Silk), Nerolac (All scapes), Snowcem, Shalimar |
| 59. | Structural steel section                                                   | TATA, SAIL, RINL                                                                           |
| 60. | Curtain Carrier                                                            | Vista levlor or equivalent                                                                 |
| 61. | Drapery Rod                                                                | Vista Levlor,Mac or equivalent                                                             |
| 62. | Vitreous China Wash Basin Rectangular without Pedestal                     | Hindware / Perryware or equivalent.                                                        |
| 63. | Virtuosos China Wash Basin Oval                                            | Hindware / Perryware or equivalent                                                         |
| 64. | Vitreous China Pedestal for Wash Basin                                     | Pedstal of Perryware / Hindware                                                            |
| 65. | Vitreous China Floor Mounted European W.C. without cistern                 | Perryware / Hindware or equivalent.                                                        |
| 66. | Vitreous China Floor moulded European with Cistern                         | Compote Perryware / Hindware or equivalent.                                                |
| 67. | Vitreous China Wall hung W.C. without Cistern                              | Perryware / Hindware or equivalent                                                         |
| 68. | Vitreous China Wall Hung W.C. with vitreous Cistern (component)            | Perryware / Hindware or equivalent.                                                        |
| 69. | Orissa Pan                                                                 | Perryware / Hindware or equivalent                                                         |
| 70. | Vitreous China Low Level Cistern for European W.C                          | Hindware / Perryware or equivalent                                                         |
| 71. | Low Level PVC Cistern Single flush Sleek model Cistern of PVC              | Hindware or Slimline deluxe model of Perryware JINDAL.                                     |
| 72. | Dual Flush Sleek Dual flush PVC cistern                                    | Hindware or Slimline dual of Perryware                                                     |
| 73. | Vitreous China Half stall Urinal Model No. 6002 Urinal flat back large     | Hindware or magnum of Perryware                                                            |
| 74. | Flush Valve                                                                | Aquel, Marc or equivalent                                                                  |
| 75. | Solid Plastic Seat Cover for EWC standard seat cover white                 | Perryware/Hindware                                                                         |
| 76. | Jet Assembly for EWC                                                       | Perryware, Kamal (Mahendra)                                                                |
| 77. | Float Glass                                                                | Modi Float, Saint Gobain, Asahi, Glaverbel                                                 |
| 78. | CP Brass Bibcock, Pillar cock, Stopcock, Angle Valve, Concealed Stop Cock. | Marc (oriental series) Jaquar (continental series), Parko, Nova                            |
| 79. | Plastic Connection Pipe                                                    | Perryware/Kamal Delux or equivalent                                                        |
| 80. | CP Waste Coupling                                                          | Kamal/Jaquar/Mark/Nova/Parko                                                               |
| 81. | CP Bottle Trap                                                             | Perryware / Hindware or equivalent.                                                        |
| 82. | Waste Pipe                                                                 | Kamal with brass checknut/Viking                                                           |
| 83. | Stainless steel Sink with or without Draining board                        | Nilkkanth,AMC , Jayana, Cobra                                                              |

|      |                                        |                                                                                                 |
|------|----------------------------------------|-------------------------------------------------------------------------------------------------|
| 84.  | Towel Ring/Towel Rod/Towel Rack        | Kamal, Marc or equivalent                                                                       |
| 85.  | Fibre Glass Shelf                      | Kamal, Bath King or equivalent                                                                  |
| 86.  | Vitreous China laboratory Sink         | Hindware / Perryware or equivalent                                                              |
| 87.  | Aluminum Sections                      | Jindal, Hindalco, Indalco                                                                       |
| 88.  | Textured Exterior wall                 | Berger, Unitile, Spectrum, Oikos                                                                |
| 89.  | O.P.C. 43 grade                        | ACC, Ultratech, Ambuja, JK Lakshmi                                                              |
| 90.  | PVC Water Tanks                        | Sintex, Uniplast, Shital, Rolax                                                                 |
| 91.  | C .P .Brass Fitting                    | Jaquar, Marc, Kingston                                                                          |
| 92.  | Stone Ware Pipe and Gully Traps        | Perfect, Parry                                                                                  |
| 93.  | RCC Pipes (NP2)                        | Lakashmi, Sood & Sood Jain & company                                                            |
| 94.  | MS Pipes                               | Kasho Ram , Electro Steel                                                                       |
| 95.  | APP                                    | Roflex, STP, Dermabit                                                                           |
| 96.  | Self closing pillar Tapes              | Jacquard                                                                                        |
| 97.  | Beveled edge mirror                    | Atul , Saint Gobain, Modi.                                                                      |
| 98.  | Rolling shutters                       | Rama Rolling Shutters, joyti Rrolling Shutter , Anand Industries, Swastik, Standard             |
| 99.  | RMC                                    | ACC, Ultratech, RMC India, Laffarge, TechNO or as approved by Engineer –In-Charge               |
| 100. | PTMT Fittings                          | Prayag, shakti                                                                                  |
| 101. | G.I. Metallic Tiles of false ceiling   | Armstrong, Interarch, Metaworth, Gyproc                                                         |
| 102. | S.S. Staircase Railing                 | Jindal stainless Steel LTD. , Hardwyn.                                                          |
| 103. | Dash fastners                          | Hilti, Ficher, Canon                                                                            |
| 104. | Locks & Latch                          | Godrej, Harrison, Plaza, Golden, Yale.                                                          |
| 105. | Bituman                                | Indian Oil, Hindustan, petroleum                                                                |
| 106. | Steel Reinforcement                    | SAIL, TISCO, Rashtriya Ispat Nigam Limited (RINL)                                               |
| 107. | ACP                                    | Alsline, Alu pan, Al stone or equivalent                                                        |
| 108. | Brass Stop/ Bib Cock                   | LINK, LEADER, PRIMA                                                                             |
| 109. | Ball Valve & Plates                    | LINK, LEADER, PRIMA                                                                             |
| 110. | Stainless Steel railing                | Fitwell, arc, Kich                                                                              |
| 111. | Manhole drain cover                    | Dalal, K.K Manhole and Gratings & HCP                                                           |
| 112. | Zibra Rollar Blind                     | Vista, Mac, Liver                                                                               |
| 113. | GI profile sheet 0.5mm thick precoated | Jindal, JSW, TATA, ESSAR & Asian                                                                |
| 114. | HDPE Pipe                              | Supreme Industries, Finolex, Ashirvad, Astral, Vectus, Prince, Jain Irrigation, and APL Apollo. |
| 115. | Sliding door parts                     | Dorma and Nessa                                                                                 |
| 116. | Ceramic antiskid floor tiles           | Kajariya, Somany and Orienbell                                                                  |
| 117. | Concertina Coil                        | Fensico, Unifence and Conec                                                                     |

1. The material beyond above list shall be of ISI Mark and dully approved by Engineer-in-charge of work which is to be kept at site of work.
2. The contractor shall provide the materials as per the make or brand indicated above at site to approve by Engineer in charge of the work. when two or more alternative/brands have been mentioned, the brand selected by the Engineer-in-Charge shall be final and binding.

3. To change the brand or any alternative selection of the brand is right of the Engineer- in -charge and shall be binding. Agency has no right to object the instruction of Engineer-in-charge of work.
4. The Engineer in charge has right to reject the material if it does not comes at site as per selected/recommended brand by the Engineer- in -charge of the work.

**EXECUTIVE ENGINEER (CIVIL)**

## Schedule of Qty

Name of work:- Repairing of waterproofing work by dismantling top course of roofing i.e. plastering and finishing of parapet wall at the terrace of HPT Mall Road, Delhi.

| SLNo  | Description                                                                                                                                                                                                                                                                                                                                                                                         | Qty    | Unit  | Rate    | Amount   |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|---------|----------|
| 1     | Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing: |        |       |         |          |
| 1.1   | 1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)                                                                                                                                                                                                                                                 | 1.00   | cum   | 9895.20 | 9895.00  |
| 2     | Providing gola 75x75 mm in cement concrete 1:2:4(1 cement :2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement: 3 fine sand) as per standard design :                                                                                                                                                                                     |        |       |         |          |
| 2.1   | In 75x75 mm deep chase                                                                                                                                                                                                                                                                                                                                                                              | 275.00 | metre | 305.15  | 83916.00 |
| 3     | Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.                                                                                                                                                          |        |       |         |          |
| 3.1   | 110 mm diameter                                                                                                                                                                                                                                                                                                                                                                                     | 4.00   | metre | 377.40  | 1510.00  |
| 4     | Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS :5382, leaving 10 mm gap for thermal expansion.                                                                                                                                |        |       |         |          |
| 4.1   | Bend 87.5°                                                                                                                                                                                                                                                                                                                                                                                          |        |       |         |          |
| 4.1.1 | 110 mm bend                                                                                                                                                                                                                                                                                                                                                                                         | 2.00   | each  | 150.35  | 301.00   |
| 5     | 15 mm cement plaster on rough side of single or half brick wall of mix:                                                                                                                                                                                                                                                                                                                             |        |       |         |          |
| 5.1   | 1:4(1 cement: 4 coarse sand)                                                                                                                                                                                                                                                                                                                                                                        | 225.00 | sqm   | 411.75  | 92644.00 |
| 6     | Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:                                                                                                                                                                                                                                                                                               |        |       |         |          |
| 6.1   | New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)                                                                                                                                                                                                                                                               | 300.00 | sqm   | 171.10  | 51330.00 |
| 7     | 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.                                                                                                                                                                                                     | 300.00 | sqm   | 156.05  | 46815.00 |
| 8     | 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.                                                                 |        |       |         |          |
| 8.1   | With cement mortar 1:4 (1cement: 4 coarse sand)                                                                                                                                                                                                                                                                                                                                                     | 50.00  | sqm   | 560.50  | 28025.00 |

|                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |       |        |           |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|--------|-----------|
| 9                                                                                     | Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 820.00 | sqm   | 54.65  | 44813.00  |
| 10                                                                                    | Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |       |        |           |
| 10.1                                                                                  | 20 mm nominal dia Pipes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 50.00  | metre | 335.00 | 16750.00  |
| 11                                                                                    | <p>Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations:</p> <p>(a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.</p> <p>(b) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep.</p> <p>(c) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. "All above operations to be done in order and as directed and specified by the Engineer-in-Charge":</p> <p>i) With average thickness of 120 mm and minimum thickness at khurra as 65 mm</p> | 650.00 | sqm   | 746.15 | 484998.00 |
| Total                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |       |        | 860997.00 |
| Modified Estimated Cost after using correction factor on DSR 2023 on account of GST @ |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |       |        | 837750.00 |
| Add Cost Index @3% on SR&DR                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |       |        | 25133.00  |
| Total (A)                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |       |        | 862883.00 |
| 12                                                                                    | Removing existing APP sheet, provided as water proofing course at terrace with the help of required skilled labour, Butane Torch etc., making the roof surface properly cleaned after removing sheet and disposal of unserviceable materials within 50 mt. lead, all complete as per direction of Engineerin- charge.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 550.00 | sqm   | 47.35  | 26043.00  |
| Total (B)                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |       |        | 26043.00  |
| Total (A+B)                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |       |        | 888926.00 |

**Executive Engineer (Civil)**

**Sr. Associate**