**GOVERNMENT OF INDIA**
**CENTRAL PUBLIC WORKS DEPARTMENT**

**'W' Division, CPWD**
**New Delhi**

**Notice Inviting Tender**

**NIT No- 39/EE/W-Division/2026-27**

**NAME OF WORK:- Special Repair of Andaman & Nicobar Bhawan at Chanakyapuri, New Delhi (SH: Replacing Old C.I pipelines, Roof FRP sheet & miscellaneous repair works)**

**ESTIMATED COST:- Rs. 30,32,490/-**
**EARNEST MONEY :- Rs. 60,650/-**

Addition: NIL Overwriting: NIL Correction: NIL Deletion : NIL AE(P)

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Assistant Engineer (P)
W' Division, CPWD,
New Delhi

**This NIT containing page 01 to 61 approved for ECPT to Rs. 30,32,490/- (Rs. Thirty Lakh Thirty Two Thousand Four Hundred Ninety Only).**

**Approved**

**Executive Engineer,**
**'W' Division, CPWD,**
**New Delhi**

Addition: NIL Overwriting: NIL Correction: NIL Deletion : NIL AE(P)

# CENTRAL PUBLIC WORKS DEPARTMENT
## Notice Inviting e-Tenders

The Executive Engineer, 'W' Division, CPWD, Kidwai Nagar West, New Delhi (Tel: 011-20862481 e-mail: deleeaiimspd.cpwd@nic.in) invites on behalf of the President of India online percentage rate tender from eligible CPWD registered contractors for the following work:

**NIT No. 39/EE/W-Division/2026-27, Name of Work: Special Repair of Andaman & Nicobar Bhawan at Chanakyapuri, New Delhi (SH: Replacing Old C.I pipelines, Roof FRP sheet & miscellaneous repair works) Estimated Cost: Total - Rs.30,32,490, Earnest money: - Rs. 60,650/- Period of completion: 03 Months, Last date & time of submission of bid on 26.11.2026 at 03:00 P.M.**

The bid forms and other details can be obtained from the website https://etender.cpwd.gov.in. **The press notice is also available on** https://etender.cpwd.gov.in**.**

**Not to be printed below this line**

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*To be filled by EE, 'W' Division

**Executive Engineer,**
**'W' Division,**
**CPWD, Kidwai Nagar West**
**New Delhi- 110023**

Addition: NIL Overwriting: NIL Correction: NIL Deletion : NIL AE(P)

# PART 'A'

# GENERAL

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

The Executive Engineer, 'W' Division, CPWD, Kidwai Nagar West, New Delhi (Tel: 011-20907604 e-mail: deleeaiimspd.cpwd@nic.in) on behalf of President of India invites online percentage rate bids from the eligible CPWD registered contractors for the following work:

| S. No. | NIT NO. | Name of work and location | Estimated cost put to bid | Earnest Money | Period of Completion | Last date & time of submission of bid, original EMD, copy of receipt or deposition of original EMD and other Document as specified in the bid document | Time & date of opening of tender |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | 39/EE/W-Division/2026-27 | **Special Repair of Andaman & Nicobar Bhawan at Chanakyapuri, New Delhi (SH: Replacing Old C.I pipelines, Roof FRP sheet & miscellaneous repair works)** | **Rs. 30,32,490/-** | **Rs. 60,650/-** | 03 Months | **Up to 26.11.2026 at 15:00 Hrs** | **At 26.11.2026 at 15:30 Hrs** |

* To be filled by EE,

1. The intending bidder must read the terms and conditions of **CPWD-7** carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
2. Information and Instructions for bidders posted on web site shall form bid document.
3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website **https://etender.cpwd.gov.in** free of cost.
4. Applicant has to deposit Earnest Money of **Rs. 60,650/-** in the form of receipt/ Treasury Challan or Demand Draft or Pay order or Banker's Cheque or Deposit at Call Receipt or Fixed Deposit Receipt (drawn in favour of **Executive Engineer, CD-3, I. P. Bhawan, CPWD, New Delhi**) along with tender document.
5. But the bid can only be submitted after **depositing of original EMD either in the office of Executive Engineer inviting tender or division office of any Executive Engineer,**

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

6. Bidders may seek clarification or queries if any, by email on email id <deleeaiimspd.cpwd@nic.in> latest by **03:00 PM of 25.11.2026.**
7. Those contractors who are not registered or have not updated their profile on the website mentioned above, are required to get registered / update their profile beforehand, the necessary training materials including the videos with step-to-step process are available on download section of https://etender.cpwd.gov.in.
8. The intending bidder must have valid Class-III digital signature certificate with encryption key (combo type) to perform any operations / transctions on the e-tendering portal / website and the bidder should download and install the eMsigner on their system as per instructions available on download section of of https://etender.cpwd.gov.in.
9. On opening date, the contractor can login and see the bid opening process after opening of bids. He can receive the competitor bid sheets.
10. Contractor can upload documents in the form of JPG format and PDF format.
11. Contractor must ensure to quote percentage rate of this work as given in template. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as **"0"**. Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO). However, if tenderer quotes new rates against each item in item rate tender or does not quote any percentage above or below on the total amount of the tender or any section / sub head in percentage tender, the tender shall be treated as invalid and will not be considered as the lowest tender.
12. The Technical cum Eligibility Bid shall be opened first on due date and time as mentioned above. The time and date of opening of the financial bid of contractors qualifying the technical cum Eligibility bid shall be communicated to them at a later date.
13. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
14. The contractor should furnish the complete details called for in the Eligibility documents. The applications with incomplete or inadequate details (or) not as per the proforma prescribed in the pre- qualification document are liable to be rejected. **The applicants shall also refrain from giving unnecessary additional details, and bulky volumes of records which are not essential / not connected. The details shall be filed in the appropriate forms and annexures only.**
15. The column(s) meant for quoting rate in figures appears in yellow colour and the moment rate is entered, it turns sky blue.

16. Contractor should quote the percentage above or below to two places of decimal only.
17. The officer inviting tenders shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest or any other tender.
18. The tenderers shall sign a declaration under the Official Secrets Act 1923, for maintaining secrecy of the tender documents, drawings or other records connected with the work given to them. The unsuccessful tenderers shall return all the drawings given to them. Otherwise, department may reject the bid.
19. The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices quoted in the Schedule of Quantities, which rates and prices shall, except as otherwise provided, cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the works.
20. If there are varying or conflicting provisions made in any one document forming part of the contract, the Accepting Authority shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on the contractor.
21. Any error in description, quantity or rate in Schedule of Quantities or any omission there from shall not vitiate the Contract or release the Contractor from the execution of the whole or any part of the works comprised therein according to drawings and specifications or from any of his obligations under the contract.
22. Contractor is advised to visit the site and get acquainted with area before quoting the rates. There may be restriction and rules for movement of vehicles and there is no accommodation for labours within the premises of **Andaman & Nicobar Bhawan.**

**23. List of Mandatory and Eligibility Documents to be scanned and uploaded within the period of tender submission:**

1. Enlistment Order of the Contractor in CPWD in B & R Category of appropriate class.
2. Earnest Money in the form Insurance Surety Bond, Accounts Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (for balance amount as prescribed) from any of Commercial Banks (drawn in favour of **Executive Engineer, CD-3, CPWD, I.P. Bhawan, New Delhi.)**
3. Receipt of deposition of Earnest Money, issued by Officers of CPWD (EE/AE(P)/AE/AAO), with whom EMD has been deposited in the prescribed format at Page No. 09.
4. **ERP Training Certificate issued through LMS (Learning Management System) in ERP.**
5. **GST Registration Certificate of GNCTD, Delhi** if already obtained by the bidder. If the bidder has not obtained GST registration certificate of GNCTD or as required by GST authorities, then in such case, the bidder shall scan and upload following undertaking along with bid documents.

   "If work is awarded to me, I/we shall obtain GST registration Certificate of GNCTD or as required by GST authorities, within one month from the date of receipt of award letter or before release of any payment by CPWD, whichever is earlier, failing which I/We shall be responsible for any delay in payments which will be due towards me/us on account of the work executed and/or for any action taken by CPWD or GST department in this regard".

6. Undertaking on Structural Stability and Soundness as per prescribed format **Form 'F'. Notarized affidavit is to be furnished on a non-judicial stamp paper of Rs. 200/-. The date of stamp paper and notarized attestation shall be after the date of call of tender.**
7. Latest GST (3-B) return upto June 2026.
8. Scanned copy of Pan card issued by I.T Department.
9. Scanned copy of EPFO & ESIC registration certificate Or proof of applying (Acknowledgement only for obtaining registration of EPFO & ESIC) in case bidder did not registered already.
10. Any other document as specified in the NIT.

# *RECEIPT OF DEPOSITION OF ORIGINAL EMD*

*(Receipt No. ……#……..……. / date ……..…#……)*

1. *Name of Work:* **Special Repair of Andaman & Nicobar Bhawan at Chanakyapuri, New Delhi (SH: Replacing Old C.I pipelines, Roof FRP sheet & miscellaneous repair works)**
2. *NIT No.:* **39/EE/W-Division/2026-27.**
3. *Estimated Cost:* ***Rs. 30,32,490/-***
4. *Amount of Earnest Money Deposit:* ***Rs. 60,650/-***
5. *Last date & Time of submission of Bid:* **26.11.2026 at 03:00PM**

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*Name of Contractor: ……#….....*

1. *Form of EMD ……#….....*
2. *Amount of Earnest Money Deposit ……#…….....*
3. *Date of submission of EMD ……#……..……*

……..…….

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

** To be filled by EE inviting tender.*
*# To be filled by EMD receiving EE/AE.*

Addition: NIL Overwriting: NIL Correction: NIL Deletion : NIL AE(P)

# Form 'F'

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

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

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

I/we also undertake that in addition to above, the Engineer-in-Charge shall be free to debar us forever from tendering in CPWD.

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

**Signature of notary with seal.**

**Signature of bidder or an authorized person of the firm and stamp.**

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

# CPWD-6 FOR e-Tendering

Percentage rate bid are invites on behalf of President of India from the eligible contractors of CPWD of class IV and above in B & R category for the following work: - **"Special Repair of Andaman & Nicobar Bhawan at Chanakyapuri, New Delhi (SH: Replacing Old C.I pipelines, Roof FRP sheet & miscellaneous repair works)"**

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 tender

1. The work is estimated to **Rs.30,32,490/-.** This estimate, however, is given merely as a rough guide.
2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7 (as amended up to last date of submission of bid) which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidder shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be 03 Months from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. **The Site shall be available for execution of work in phased manner.**
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website https://etender.cpwd.gov.in or www.cpwd.gov.in free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
8. Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks (drawn in favour of **Executive Engineer, CD-3, I. P. Bhawan, CPWD, New Delhi**) shall be scanned and uploaded on the e-Tendering website along with tender document within the period of bid submission.

   ***The original EMD*** *should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission.*

   ***The EMD*** *receiving Executive Engineer (including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by the tender inviting EE in the NIT.*

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

   *The earnest money given by all the tenderers except the lowest tenderer shall be refunded immediately after*

*the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier. However, in case of two/ three bid system, earnest money deposit of bidders unsuccessful during technical bid evaluation etc. should be returned within 30 days of declaration of result of technical bid evaluation.*

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

*The bid submitted shall be opened at* ***3:30 PM on*** **26.11.2026.**

8A Those contractors who are not registered or have not updated their profile on the website mentioned above, are required to get registered / update their profile beforehand, the necessary training materials including the videos with step-to-step process are available on download section of https://etender.cpwd.gov.in.

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 scanned copies of all the documents as stipulated in the bid documents.
   (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of tender opening authority.
   (iv) If a tenderer quote nil rates against each item in item rate tender or does not quote any percentage above or below on the total amount of the tender or any section / sub head in percentage tender, the tender shall be treated as invalid and will not be considered as the lowest tender.

10. The contractor whose bid is accepted will be required to furnish ***performance guarantee of 5% (Five Percent)*** of the bid amount within the period specified in Schedule F. This guarantee shall be in the form of Deposit at Call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule **'F'**, including the extended period if any, then the contractor shall be suspended for one year and shall not be eligible to bid for CPWD tenders from date of issue of suspension order. *Contractor whose bid is accepted will also required to furnish either copy of applicable licenses/registrations or proof for applying obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. if applicable and also ensure the compliance of aforesaid provisions by the sub contractors, if any engaged by the contractor for the said work and programme chart (Time and Progress) within the period specified in Schedule F.*

11. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be

deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

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

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

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

15. The contractor shall not be permitted to bid for works in the CPWD Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted 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 Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

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

17. The bid for the works shall remain open for acceptance for a period of Thirty (30) days from the date of opening of bid.

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

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

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

18. This Notice Inviting Tender shall form a part of the contract document. The successful bidder/contractor, on acceptance of his bid by the Accepting Authority shall within 15 Days from the stipulated date of start of the work, sign the contract consisting of:

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

b) Standard C.P.W.D. Form 7 (Amended upto the last date of submission of bid)

19. **For Composite Bids**

19.1.1 The Executive Engineer (C), W Division in charge of the major component will call bids for the composite work. The cost of bid document and Earnest Money will be fixed with respect to the combined estimated cost put to tender for the composite bid.

19.1.2 The bid document will include following three components:

Part A:- General information to bidders, CPWD-6 & 7 including, Standard General Conditions of Contract for CPWD 2023 with amended/modified up to last date of submission of bid.

Part B:- Schedule A to F for the major component of the work, General / specific conditions, specifications and schedule of quantities applicable to major component of the work.

Part C:- General/specific conditions, specifications and schedule of quantities applicable to minor component(s) of the work.

19.1.3 The bidder must associate himself, with eligible agencies to bid for each of the specialized work individually.

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

19.1.5 After acceptance of the bid by competent authority, the EE in charge of major component of the work shall issue letter of award on behalf of the President of India. After the work is awarded, the main contractor will have to enter into one agreement with EE in charge of major component and has also to sign two or more copies of agreement depending upon number of EE's/DDH in charge of minor components. One such signed set of agreement shall be handed over to EE/DDH in charge of minor component(s). EE of major component will operate Part A and Part B of the agreement. EE/DDH in charge of minor component(s) shall operate Part C along with Part A of the agreement.

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

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

19.1.8 The main contractor has to associate agency(s) for specialized work(s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such agency(s) to Engineer-in-charge of specialized work (s) within prescribed time. Name of the agency(s) to be associated shall be approved by Engineer-in-charge of specialized work (s).

19.1.9 In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer-in-charge of specialized work. The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer-in-charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.

19.1.10 The main contractor has to enter into agreement (MOU) with contractor(s) associated by him for execution of specialized work (s). Copy of such agreement (MOU) shall be submitted to EE in charge of each minor component as well as to EE in charge of major component. In case of change of associate contractor, the main contractor has to enter into agreement with the new contractor associated by him.

19.1.11 Running payment for the major component shall be made by EE of major discipline to the main contractor. Running payment for minor components shall be made by the Engineer-in-charge of the discipline of minor component directly to the main contractor.

19.1.12A. The composite work shall be treated as complete when all the components of the work are complete. The completion certificate of the composite work shall be recorded by Engineer-in-charge of major component after record of completion certificate of all other components.

19.1.12B. Final bill of whole work shall be finalized and paid by the EE of major component. Engineer(s) in charge of minor component(s) will prepare and pass the final bill for their component of work and pass on the same to the EE of major component for including in the final bill for composite contract.

20. The intending bidders are required to update their profile in CPWD e-tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/ uploading tender can be resolved through the concerned Executive Engineer/ Assistant Engineer (Phone No. 011-20907604, email ID: deleeaiimspd.cpwd@nic.in) or ERP help line No. 18001803286 or email id cpwd.support@techmahindra.com . The e-tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.

**Executive Engineer,**
**'W' Division,**
**CPWD, Kidwai Nagar West,**
**New Delhi 110 023**

| CPWD-7 | CPWD |
|---|---|

**GOVERNMENT OF INDIA**
**CENTRAL PUBLIC WORKS DEPARTMENT**

**STATE: DELHI** **SUB- DIVISION: 'W' SUB-DIVISION-1**
**BRANCH: B&R** **CIRCLE: DC-IV**
**DIVISION: 'W' DIVISION** **Sub-Region: ADG (D)**

Percentage Rate Tender & Contract for Work: **:-Special Repair of Andaman & Nicobar Bhawan at Chanakyapuri, New Delhi (SH: Replacing Old C.I pipelines, Roof FRP sheet & miscellaneous repair works)".**

(i) To be submitted/uploaded online at https:/etender.cpwd.gov.in by **03.00 PM,** on **26.11.2026.**

(ii) To be opened online in presence of tenderers who may be present at **03.30 PM**, on **26.11.2026** in the office of **Executive Engineer, 'W' Division, CPWD, Kidwai Nagar West, New Delhi.**

**TENDER**

I/We have read and examined the Notice Inviting Tender, Schedule, A,B,C,D, E & F. Specifications applicable, Drawings & Designs, General rules and Directions, Conditions of Contract, of 2023 **(GCC Maintenance Works 2023)** with amendments up to the last date of submission of tenders, Clauses of Contract, Special Conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

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

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

I/We have deposited EMD for the prescribed amount in the office of concerned Executive Engineer as per the bid document. A copy of earnest money deposit receipt of prescribed amount deposited in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (as prescribed) issued by a Commercial Bank, is scanned and uploaded (strike out as the case may be). If I/We, fail to furnish the prescribed performance 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 Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back-to-back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in CPWD in future for ever. 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 cancel the agreement and to forfeit the entire amount of Performance Guarantee.

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

**Dated: #**..... **Signature of Contractor #**

**Witness: #** **Postal Address #**

**Address: #**

**Occupation: #**

**# To be filled in by the contractor**

**ACCEPTANCE**

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

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

(a)

(b)

(c)

For & on behalf of President of India

Signature ……*……

Dated: ……* …… Designation ……*……

***To be filled in by the Engineer-in-charge**

Addition: NIL Overwriting: NIL Correction: NIL Deletion : NIL AE(P)

## PROFORMA OF SCHEDULES
## (Proforma for Civil Work and E& M Work)

**SCHEDULE 'A'**

Schedule of quantities — Civil : **Attached (Page 56 to 61)**

Schedule of quantities — E&M : -

**SCHEDULE 'D'**

Extra schedule for specific requirement/documents for the work, if any - NIL

**SCHEDULE 'E':**

Reference to General Conditions of contract: General Conditions of contract for Central PWD Works **2023 (GCC for Maintenance Works 2023)** as amended/modified up to last date of Submission of bid.

Name of work : **Special Repair of Andaman & Nicobar Bhawan at Chanakyapuri, New Delhi (SH: Replacing Old C.I pipelines, Roof FRP sheet & miscellaneous repair works)**

(i) Estimated cost of work : **Estimated Cost Rs. 30,32,490/- .**

(ii) Earnest Money : **Rs. 60,650/-.**

(iii) Performance Guarantee :

**(a) 5% of tendered value or Estimated Cost put to Tender (ECPT) (Whichever is higher).**

(b) **Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.**

(iv) Security Deposit : 2.5% (Two-point Five percent) of tendered Value.

**SCHEDULE 'F'**

General Rules & Directions : General Conditions of contract for Central PWD Works **2023 (GCC for Maintenance Works 2023)** as amended/modified upto last date of Submission of bid.

| | | | |
|---|---|---|---|
| (i) | Officer inviting tender: | | Executive Engineer, 'W' DIVISION, CPWD, Kidwai Nagar West, New Delhi |

Definitions

| | | | |
|---|---|---|---|
| 2(vi) | Engineer-in-charge | | |
| | 1) For civil work | | Executive Engineer, 'W' DIVISION, CPWD, Kidwai Nagar West, New Delhi. |
| | 2) For E&M Work | | - |
| 2(viii) | Accepting Authority | | Executive Engineer, 'W' DIVISION, CPWD, |

Addition: NIL Overwriting: NIL Correction: NIL Deletion : NIL AE(P)

| | | | |
|---|---|---|---|
| | | | Kidwai Nagar West, New Delhi. |
| 2(x) | Percentage on cost of materials and labour to cover all overhead and profits | | 15% |
| 2(x)(b) | Standard Schedule of Rates | | |
| | 1) For Civil Work | | **DSR 2023 with correction slips issued up to the last date of submission of bid.** |
| | 2) For E&M Work | | **DSR 2025 (E&M) with correction slips issued up to the last date of submission of bid.** |

| | | | |
|---|---|---|---|
| 2(xi) | Department | | Central Public Works Department |
| 9(ii) | Standard CPWD contract Form | | GCC 2023 (Maintenance Works) for CPWD works as amended/modified up to last date of Submission of tender. |

**Clause 1**

| | | | |
|---|---|---|---|
| (i) | Time allowed for submission of Performance Guarantee, program chart (Time and Progress) and applicable **labour licenses, registration with EPFO, ESIC and BOCW Welfare Board or proof of applying thereof** from the date of issue of letter of acceptance | | **7 days** |
| (ii) | Maximum allowance extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above | | **3 days** |

**Clause 2**

| | | | |
|---|---|---|---|
| (i) | Authority for fixing compensation under clause 2 | | **Superintending Engineer, Delhi Circle – 4, CPWD, East Block, R. K. Puram, New Delhi** |

**Clause 2A**: **Not Applicable**

**Clause 5**

| | | | |
|---|---|---|---|
| (i) | Number of days from the date of issue of letter of acceptance for reckoning date of start. | | **10 (Ten) days** or date of handing over of site whichever is later. |

**MILESTONE FOR CIVIL WORKS** **Not Applicable**

***Time allowed for execution of work*** ***: - 03 Months.***

| | | | |
|---|---|---|---|
| | **Authority to decide: -** | | |
| (i) | Authority to convey the decision of shifting of milestone and extension of time. | | **Executive Engineer, 'W' DIVISION, CPWD, Kidwai Nagar West, New Delhi.** |
| (ii) | Authority to decide rescheduling of milestone and extension of time. | | **Superintending Engineer, Delhi Circle – 4, CPWD, East Block, R. K. Puram, New Delhi** |
| (iii) | Shifting of date of start in case of delay in handing over of site. | | **Superintending Engineer, Delhi Circle – 4, CPWD, East Block, R. K. Puram, New Delhi** |

**Clause 6** **: - Electronic Measurement Book.**

Addition: NIL Overwriting: NIL Correction: NIL Deletion : NIL AE(P)

**Mode of measurement** **: - e-MB**

**Clause 7**

| | | | |
|---|---|---|---|
| | Gross work to be done together with net payment /adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment. | | **Rs. 10.00 lakhs** for Civil works |

**Clause 7 A**

**No Running Account Bill shall be paid for the work till the applicable licenses, registration with EPFO, ESIC and BOCW Welfare Board, whatever applicable are submitted by the contractor to Engineer-in-charge.** **Applicable**

**Clause 10A** **Not Applicable**

**CLAUSE 10B (i)**

| | | | |
|---|---|---|---|
| | Whether clause 10-B(i) shall be applicable | | **Not Applicable** |

**CLAUSE 10B (ii)**

| | | | |
|---|---|---|---|
| | Whether clause 10-B(ii) shall be applicable | | **Not Applicable** |

**CLAUSE 10C**

| | | | |
|---|---|---|---|
| | Component of labour expressed as percentage of value of work | | **Not Applicable** |

**CLAUSE 10 (CC):** **Not Applicable.**

**Clause 11**

| | | | |
|---|---|---|---|
| | Specifications to be followed for execution of work: | | |
| | a) Civil work | | Civil work: CPWD Specifications 2019 Volume- I & II with correction slips issued up to the last date of submission of bid. |
| | b) E&M Work | | CPWD General Specifications for Electrical Works Part I Internal – 2023, CPWD General Specifications for Electrical Works Part II External – 2023. The additional specifications are to be read with above and in case of any variations; specifications given along with the tender shall apply. |

**Clause 12: Deviations/Variations Extent and Pricing:**

| | |
|---|---|
| Type of work | Maintenance work(s) are those work(s) which includes upgradation, Aesthetic improvement, special repair, addition/ alteration, annual repair, Comprehensive maintenance work etc. |
| | The completion cost shall, in no case, exceed 1.5 times the contract amount. Contractor will devise a system to keep a watch on quantum of work taken up vis-à-vis balance items required to complete defined scope of work and will give the alerts to Engineer-in-Charge before taking up extra item(s), deviation(s) so that completion cost does not exceed above limit. Work executed beyond above limit will neither be recorded nor be paid. Engineer-in-Charge will verify and confirm the alerts before assigning deviation(s) and / or extra items(s) to the contractor. If additional work(s) is required to complete defined scope of work beyond above limit then Engineer-in-Charge may take up such work(s) separately. The contractor will not have any claim(s) whatsoever on this account. |
| **Authority to decide Deviation: -** | |
| **(**i) Upto 1.25 times of Contract Amount (With recorded reasons) | Engineer-in-charge |
| ii) Upto 1.5 times of Contract Amount (With recorded reasons) | Superintending Engineer, DC-4, CPWD, New Delhi. |
| **(Corrected as per DG/CON/313 dt 17.02.2021)** | |
| Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for maintenance work | No limit (All the deviated quantities shall be paid on the agreement rates) |

**Clause 16**

| | | |
|---|---|---|
| (i) | Competent Authority for deciding reduced rates. | Superintending Engineer, DC-4, CPWD, New Delhi. |

**Clause 18**

List of mandatory machinery, tools & plants to be deployed by the contractor at site: -

**Civil**: - **As per actual as per requirement at site.**

**Clause 19D:**
**Clause 19G:**
**Clause 19K:**
Authority to decide penalty for each default:

**Clause 19C:**
Engineer-in-charge

**Clause 25** Constitution of Dispute Redressal Committee

| | | |
|---|---|---|
| 1. | Conciliator | Additional Director General (D), CPWD, New Delhi |
| 2. | Arbitrator Appointing Authority | Superintending Engineer, DC-4, CPWD, New Delhi |
| 3. | Place/Seat of Arbitration | New Delhi |

**CLAUSE 32** **: - Applicable.**

**Requirement of Technical Representative(s) and recovery Rate**

| Cost of Work | Requirement of Technical staff | | Minimum Experience (Years) | Designation of Technical staff | Rate at which recovery shall be made from the contractor in the event of not fulfilling | |
|---|---|---|---|---|---|---|
| | Minimum Qualification of Technical Representatives | Number of (Major +Minor Component) | | | Figures | Words |
| More than 15.00 Lac to 1.5 Crore | Graduate Engineer or Diploma Engineer | 1 | Project Manager cum Planning/Quality/Site/ Billing Engineer | 2 or 5 Years respectively | Rs. 15,000/- Per Months | Rs. Fifteen Thousand per month per person. |

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

**Diploma Holder with minimum 10 year relevant 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 holder should be not exceed 50% of requirement of degree engineers.**

**CLAUSE 38**

| | | |
|---|---|---|
| (i) | (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates | DSR 2023 with upto date correction slips up to last date of submission of tender |
| (ii) | Variations permissible on theoretical quantities | |
| | (a) Cement<br>For works with estimated cost put to tender not more than Rs. 25 Lakhs<br>For works with estimated cost put to tender more then Rs. 25 Lakhs. | 3% plus/minus<br><br>2% plus/minus |
| | (b) Bitumen all works | 2.5% plus only & nil on minus side |
| | (c) Steel reinforcement and structural steel sections for each diameter, section and category | 2% plus/minus |
| | (d) All other materials | Nil |

**Executive Engineer,**
**'W' Division, CPWD,**
**Kidwai Nagar West,**
**New Delhi 110023.**

Addition: NIL Overwriting: NIL Correction: NIL Deletion : NIL AE(P)

# PART – B

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

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

## *Form of Bank Guarantee for*

## *Earnest Money Deposit /Performance Guarantee/Security Deposit/Mobilization Advance*

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

***OR*****

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

2. *We, ……(indicate the name of the bank) ……. (herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs. ……. (Rupees …….. only) on demand by the Government within 10 days of the demand.*

3. *We, …… (indicate the name of the Bank) ……., do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. …….. (Rupees ……. Only)*

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

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

6. *We, …… (indicate the name of the Bank) ……., further agree that the Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance*

*without proceeding against the Contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.*

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

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

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

*Date …….*

*Witness:*

1. *Signature …….*
*Name and address*

*Authorized signatory*
*Name*

*Designation*

*Staff code no.*

*Bank seal*

2. *Signature …….*
*Name and address*

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

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

**GUARANTEE TO BE EXECUTED BY CONTRACTOR FOR REMOVAL OF DEFECTS AFTER COMPLETION OF WORK IN RESPECT OF WATERPROOFING WORKS.**

This agreement made this…… day …….... of two thousand and between, (Name of the contractor, hereinafter call Guarantor of the one part) and the PRESIDENT OF INDIA (hereinafter called the Government of the other part).

Whereas this agreement is supplementary to a contract (hereinafter called the Contract) dated __and made between the GUARANTOR of the one part and the GOVERNMENT of the other part, whereby the Contractor inter alia, undertook to render the buildings and structures in the said contract recited completely water and leak proof.

And whereas the Guarantor agreed to give a guarantee to the effect that the said structures will remain water/leak proof for ten years from the date of completion of the total project.

Now the Guarantor hereby guarantees that waterproofing treatment given by him will render the structures completely leak proof and the minimum life of such water proofing treatment shall be ten years to be reckoned from the date completion of work.

Provided that the Guarantor will not be responsible for leakage caused by earth quakes or structural defects or misuse of roof or alterations and for such purpose

a) Misuse of roof shall mean by operation, which will damage roofing treatment, like chopping of firewood and things of the same nature, which might cause damage to the roof.

b) Alteration shall mean construction of an additional storey or a part of roof or construction adjoining to existing roof, where by roofing treatment is removed in parts.

c) The decision of the Engineer-in-Charge with regard to cause of leakage/seepage shall be final.

During this period of guarantee, the Guarantor shall make good all defects and in case of any defects being found, render the building water proof at his own cost, to the satisfaction of the Engineer-in-Charge and shall commence the work for such rectification within seven days from the date of issue of the notice from the Engineer-in-Charge calling upon him to rectify the defects, failing which the work shall be got done by Department through 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 necessary rectification or commits breach there under then the Guarantor will indemnify the Principal and his successors against all loss, damage, cost expense or otherwise which may be incurred by him by reasons of any default on the part of GUARANTOR in performance and observance of this supplementary agreement. As to the amount of loss and / or damage and / or cost incurred by the Government, the decision of the Engineer-in-Charge will be final and binding on the parties.

In witness where of these presents has been executed by the Obligator……..and by …….. and for and on behalf of the PRESIDENT OF INDIA on the day month and year first above written.

**Signed, sealed and delivered by(OBLIGOR) in the presence of:**

**1.**

**2.**

**Signed for and on behalf of THE PRESIDENT OF INDIA BY……. in the presence of:**

# General Terms and Conditions

1. The scope of work outlined below is indicative and not exhaustive. It includes the- **Special Repair of Andaman & Nicobar Bhawan at Chanakyapuri, New Delhi (SH: Replacing Old C.I pipelines, Roof FRP sheet & miscellaneous repair works)**
2. A reference made to any Indian Standard specification in these documents, shall imply to the latest version of that standard. Including such revision/amendments as issued by the bureau of Indian standard up to last date of receipt of tenders. The contractor shall keep at his own cost all such publications of relevant Indian standard applicable to the work at site.
3. Except for the items, for which particular specifications are given or where it is specifically mentioned otherwise in the description of items in the schedule of quantities the work shall generally be carried out in accordance with the "CPWD specifications 2019 Vol. 1 and Vol. 2 (with upto date corrections slips). (Hereinafter to be referred to as CPWD specifications) and instructions of Engineer-in-Charge. Wherever CPWD specifications are silent the latest IS codes/specification shall be followed.
4. Unless otherwise provided in the Schedule of Quantities/Specifications, the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the work and nothing extra shall be payable to him on account of the same.
5. a) The contractor (s) shall inspect the site of work before tendering and acquaint himself with the site conditions and no claim on this account shall be entertained by the department.

   b) The contractor (s) shall get himself acquainted with nature and extent of the work and satisfy himself about the availability of materials from kiln or approved quarries for collection and conveyance of materials required for construction.
6. The contractor (s) shall give to the Municipality, Police and other authorities all necessary notices etc. that may be required by law and obtain all requisite Licenses for temporary obstructions, enclosures etc. and pay all fee, taxes and charges which may be leviable on account of these operations in executing the contract. He shall make good any damage to the adjoining property whether public or private and shall supply and maintain light and other illumination on for cautioning the public at night.
7. The contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards day and night speed limit boards red flags, red lights and providing barriers. He shall be responsible for all dangers and incidents caused to existing / new work due to negligence on his part. No hindrances shall be caused to traffic during the execution of the work.
8. The contractor shall make his own arrangement for obtaining electric connection(s) if required and make necessary payments directly to the department concerned.
9. Some restrictions may be imposed by the security staff etc. on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restrictions/instructions and nothing extra shall be payable on account of the same.
10. The contractor shall fully comply with all legal orders and directions of the Public or local authorities or municipality and adhere by their rules and regulations and pay all fees and charges for which he may be liable in this regard. Nothing extra shall be paid/reimbursed for the same.
11. The building work shall be carried out in the manner complying in all respects with the requirements of the relevant bylaws and regulations of the local body under the jurisdiction of

which the work is to be executed or as directed by the Engineer-in-charge and nothing extra shall be paid on this account.

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

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

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

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

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

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

18. The contractor shall issue Identity card to all labourers and engineers/staff engaged by him and nothing shall be paid on this account.

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

20. Existing drains, pipes, cables, over-head wires, sewer lines, water lines and similar services encountered in the course of the execution of work shall be protected against the damage by the contractor at his own expense. The contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services.

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

22. The contractor shall bear all incidental charges for cartage, storage and safe custody of materials issued by department.

23. The contractor shall take instructions from the Engineer-in-charge for stacking of materials. No excavated earth or building materials etc. shall be stacked/collected in areas where other buildings, roads, services, compound walls etc. are to be constructed. Any trenching and digging for laying sewer lines/water lines/cables etc. shall be commenced by the contractor only when all men, machinery's and materials have been arranged and closing of the trench(s) thereafter shall be ensured within the least possible time.

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

25. Samples of all materials and fittings to be used in the work in respect of brand manufacturer and quality shall be got approved from the Engineer-in-Charge, well in advance of actual execution and shall be preserved till the completion of the work. Articles bearing BIS certifications mark shall only be used unless no manufacturer has got BIS mark for the particular material. Any material/fitting whose sample has not been approved in advance and any other unapproved material brought by the contractor shall be immediately removed as soon as directed. Unless otherwise specified in the schedule of quantities the rates for all items shall be considered as inclusive of pumping/baling out water, if necessary, for which no extra payment shall be made. Those conditions shall be considered to include water from any source such as inflow of flood, surface and sub-soil water etc. and shall apply to the execution in any season.

26. Advance payment in no case shall be made more than 20% of the tendered amount in construction work.

27. Co-Ordination with other Agencies: Other agencies may also simultaneously be executing the Civil work, Electrical work, Horticulture or external services and other building works for the same building along with this work. The following services shall be extended by contractor to other agencies for carrying out their work.
    i. Access to various works of site.
    ii. Make available clear site

28. The contractor shall co-ordinate with all other agencies involved at the site of work so that the work of other agencies is not hampered. Where activity of contractor is directly affecting the progress of other agencies, the same shall be given priority. Contractor is required to note the milestones of other agencies and plan his activities to facilitate so as to avoid any hindrance to other agencies. In case of any conflict with work schedule of any other agency at site, decision of Engineer-in-charge shall be final and binding.

29. Contractor has to co-ordinate with other contractor in such a manner so that they get reasonable time to take up their work. During execution of work Department may desire for completion of certain areas on priority, in such cases contractor shall modify his plan accordingly.

30. The cost of Co-ordination/facilities extended to other contractors shall be deemed to be included in the quoted amount of contractor and nothing extra shall be payable.

31. The contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards. He shall be responsible for all damages and accidents caused due to negligence on his part. No hindrance shall be caused to traffic during the execution of the work by storing materials on the road.

32. The contractor shall be fully responsible for the safe custody of the material issued or brought by him to site for doing the work.

33. The malba /garbage generated at site due to construction activities shall be removed from the site immediately & shall be disposed off by the contractor to the approved dumping site identified by the Engineer-in-charge free of cost.

34. The contractor shall clean the site thoroughly of scaffolding materials, rubbish, equipment's left out of his work and dress the site around the building to the complete satisfaction of the Engineer-in-charge before the work is treated as completed.

35. The labour welfare cess/ fund @ 1% of gross work done shall be deducted.

36. Maintenance of Register of Tests- All the registers of tests carried out at Construction Site or in outside laboratories shall be maintained by the contractor which shall be issued to the contractor by Engineer-in-charge.

37. Maintenance of Material at Site (MAS) Register- All the MAS Registers including Cement and Steel Registers shall be maintained by Contractor which shall be issued to the contractor by Engineer-in-charge.

38. Contractor shall be responsible for safe custody of all registers e.g. test registers, MAS registers, cement register, etc. issued by the Engineer-in-charge.

39. The department shall be at full liberty to get the installation inspected by the third party or any other quality check team and the contractor shall have to make all modifications in the designing and installations as communicated to it by the department inter-alia advised by the third party.

40. **DISCREPANCY BETWEEN THE NOMENCLATURE OF ITEMS, SPECIFICATIONS, AND /OR THE DRAWINGS.**

The following specifications are applicable for the work. In case of discrepancy between the nomenclature of items, specifications, and /or the drawings or in case no specifications are specified (Refer clause 28 of the General Conditions of the Contract2023) the following order of preference shall be observed:

i) Nomenclature of items including the scope of work as given in Schedule of Quantities of this tender.

ii) Technical / Particular Specifications, Special Conditions and other provisions of this tender and model of fixtures mentioned.

iii) Drawings.

iv) CPWD Specifications (latest edition) with upto date correction slips issued upto the last date of the month prior to month of submission of tender.

v) BIS Codes with latest revisions issued upto the last day of the month prior to month of submission of tender.

vi) International standards and accepted international practices as approved by Engineer-in-Charge.

vii) Sound Engineering Practice as per directions of the Engineer-in-Charge.

If there are varying or conflicting provisions made in any document forming part of the contract, the Engineer-in-Charge shall be the deciding authority with regard to the intention/interpretation of the tender and his decision shall be final and binding on the contractor.

# ADDITIONAL CONDITIONS

1.1 **GENERAL: -**The Contractors are advised to inspect and examine the site and its surroundings and satisfy themselves with the nature of site, the means of access to the site, the constraints of space for stacking material / machinery, labour etc. constraints put by local regulations, if any, weather conditions at site, general ground / subsoil conditions etc. or any other circumstances which may affect or influence their bids. The site shall be available in phased manner for execution of work.

1.2 **DRAWING:** - Wherever the BOQ item stipulates design, the contractor shall have to supply designs and shop drawings which shall have to be vetted by CPWD or any other Institute of repute as approved by Engineer-in-Charge, and all costs towards the same, including charges for vetting shall be deemed to have been included in the quoted rates

1.3 **Nomenclature: -**The nomenclature of the item given in the schedule of quantities gives in general the work content but is not exhaustive i.e. does not mention all the incidental works required to be carried out for complete execution of the item of work. The work shall be carried out, all in accordance with true intent and meaning of the specifications and the drawings taken together, regardless of whether the same may or may not be particularly shown on the drawings and/or described in the specifications, provided that the same can be reasonably inferred there from may be several incidental works, which are not mentioned in the nomenclature of each item but will be necessary to complete the item in all respects. All these incidental works / costs which are not mentioned in item nomenclature but are necessary to complete the item shall be deemed to have been included in the rates quoted by the contractor as percentage rate for various items in the schedule of quantities. No adjustment of rates shall be made for any variation in quantum of incidental works due to variation / change in actual working drawings. Also, no adjustment of rates shall be made due to any change in incidental works or any other deviation in such element of work (which is incidental to the items of work and are necessary to complete such items in all respects) on account of the directions of Engineer-in-Charge. Nothing extra shall be payable on this account.

1.4 **Specifications: -**The work shall generally be carried out in accordance with the "**CPWD Specifications 2019 Vol. I & II**" with correction slips issued up to the last date of submission of bids, additional/Particular Specifications, Architectural /Structural drawings and as per instructions of Engineer-in-Charge. Any additional item of the work, if taken up subsequently, shall also confirm to the relevant CPWD specifications as mentioned above. Working (both Architect and structural) drawings will be released progressively to the contractor commensurate to the construction schedule approved by Engineer-in-charge.

1.5 The several documents forming the bid are to be taken as mutually complementary to one another. Detailed drawings shall be followed in preference to small scale drawings and figured dimensions in preference to scale dimensions.

1.6 The works to be governed by this contract shall cover delivery and transportation up to destination, safe custody at site, insurance, erection, testing and commissioning of the entire works. The works to be undertaken by the contractor shall inter-alia include the following:

1.6.1 Preparation of detailed SHOP drawings and AS BUILT drawings wherever applicable.

1.6.2 Obtaining of Statutory permissions wherever applicable and required.

1.6.3 Pre-commissioning tests as per relevant standard specifications, code of practice, Acts and Rules wherever required.

1.6.4 **Warranty obligation for the equipment's and / or fittings/fixtures supplied by the contractor**: The contractor shall submit material submittals along with material sample for approval of Engineer-in-Charge prior to delivery of material at site.

1.7 **Stacking of materials: -**The Contractor(s) shall take instructions from the Engineer-in-Charge regarding collection and stacking of materials at suitable place. No stacking of materials or excavated earth or building rubbish shall be stacked on areas where other buildings, roads, services and compound walls are to be constructed. The stacking shall take place as per stacking plan. However, if any change is required, the same shall be done with the approval of Engineer-in-Charge.

1.8 **The** Contractor shall bear all incidental charges for cartage, storage and safe custody of materials, if any, issued by department as well as to those materials also arranged by the contractor.

1.9 Any cement slurry added over base surface (or) for continuation of concreting for better bond is deemed to have been built in the items and nothing extra shall be payable or extra cement considered in consumption on this account.

1.10 **Performance Test: -**The contractor shall give performance test of the entire installation(s) as per the specifications in the presence of the Engineer-in-charge or his authorized representative before the work is finally accepted and nothing extra what-so-ever shall be payable to the contractor for such test.

1.11 The contractor shall make his own arrangements for water and for obtaining electric connections if required and make necessary payments directly to the State Govt. departments concerned. Contractor shall get the water tested from laboratory approved by the Engineer-in-charge at regular interval as per the CPWD Specifications 2019. All expenses towards collection of samples, packing, transportation and testing charges etc. shall be borne by the contractor.

1.12 **PREVENTION OF NUISANCE AND POLUTION CONTROL**

The contractor shall take all necessary precautions to prevent any nuisance or inconvenience to the owners, tenants or occupiers of adjacent properties and to the public in general and to prevent any damage to such properties from pollutants like smoke, dust, noise. The contractor shall use such methodology and equipment so as to cause minimum environmental pollution of any kind during construction and minimum hindrance to road users and to occupants of the adjacent properties or other services running adjacent/near vicinity. The contractor shall make good at his cost and to the satisfaction of the Engineer-in-Charge, any damage to roads, paths, cross drainage works or public or private property whatsoever caused due to the execution of the work or by traffic brought thereon by the contractor. All waste or superfluous materials shall be carried away by the contractor, without any reservation, entirely to the satisfaction of the Engineer-in-Charge.

1.13 Utmost care shall be taken to keep the noise level to the barest minimum so that no disturbance as far as possible is caused to the nearby occupants/users of building(s), if any.

1.14.1 The Contractor(s) shall take all precautions to avoid accidents by exhibiting necessary caution boards day and night. In case of any accident of labours / contractual staffs the entire responsibility will rest on the part of the contractor and any compensation under such circumstances, if becomes payable, shall be entirely borne by the contractor.

1.14.2 In the event of any restrictions being imposed by the Security agency of Client Department / CPWD/ Delhi Traffic or any other local authority having jurisdiction in the area on the working or movement of labour /material, the contractor shall strictly follow such restrictions and nothing extra shall be payable to the contractor on such accounts. The loss of time on these accounts, if any, shall have to be made up by augmenting additional resources whatever required.

1.14.3 The contractor shall be responsible for the watch and ward/guard of the safety of all fittings and fixtures including all equipments, services provided by him against pilferage and breakage during

the period of Installations and thereafter till the building is physically handed over to the Client Department. No extra payment shall be made on this account and no claim shall be admissible on this account.

1.15 **Labour Hut:-**If as per the rules of the local authority, the huts for labour are not to be erected at the site of work by the contractors, the contractor is required to provide such accommodation as is acceptable to local bodies and nothing extra shall be paid by CPWD on this account. No accommodation is available at the site of work. He shall make his own arrangements for stores, field office etc. Before tendering, he shall visit the site and assess the manner in which he is able to arrange the above facilities. The Engineer-in-Charge shall in no way be responsible for any delay on this account and no claim, whatsoever, on this account shall be entertained.

1.16 **Natural Calamities: -**No payment shall be made for any damage caused by rain, snowfall, flood or any other natural calamity, whatsoever during the execution of the work. The contractor shall be fully responsible for any damage to the govt. property and the work for which payment has been advanced to him under the contract and he shall make good the same at his risk and cost. The contractor shall be fully responsible for safety and security of his material, T&P/Machinery brought to the site by him.

1.17 **Godowns:-**The contractor shall construct suitable godowns, yard at the site of work for storing all other materials so as to be safe against damage by sun, rain, damages, fire, theft etc. at his own cost and also employ necessary watch and ward establishment for the purpose at his cost.

1.18 **Material check before use**:-All materials obtained from contractor shall be got checked by the representative of Engineer-in-Charge on receipt of the same at site before use.

1.19 **Royalty :-**Royalty at the prevalent rates shall have to be paid by the contractor on all the boulders, metals, shingles sand and bajri etc. collected by him for the execution of the work, direct to the Revenue authority or authorized agent of the State Government concerned or Central Government.

Royalty at the prevalent rates shall be paid by the Contractor or the ready mix concrete (RMC) supplier as per the terms of supply between them, on all materials such as boulders, metals, all sizes stone aggregates, brick aggregates, coarse and fine sand, moorum, river sand, gravels and bajri etc. collected by him for the execution of the work, directly to the revenue authority of the state government concerned. Further, contractor needs to submit proof of submission of full royalty to the state government or local authority. Nothing extra shall be payable on this account.

1.20 The Contractor shall keep himself fully informed of all acts and laws of the Central & State Governments, all orders, decrees of statutory bodies, tribunals having any jurisdiction or authority, which in any manner may affect those engaged or employed and anything related to carrying out the work. All the rules & regulations and bye-laws laid down by Collector / DDA/ NDMC/ State Govt. and any other statutory bodies shall be adhered to, by the contractor, during the execution of work. The Contractor shall also adhere to all traffic restrictions notified by the local authorities.

All statutory taxes, levies, charges (including water and sewerage charges, charges for temporary service connections and / or any other charges) payable to such authorities for carrying out the work, shall be borne by the Contractor. The water charges (for municipal water connection as well as tanker water) shall be borne by the contractor. Also, if the contractor obtains water connection for the drinking purposes from the municipal authorities or any other statutory body, the consequent sewerage charges shall be borne by the contractor. The Contractor shall arrange to give all notices as required by any statutory / regulatory authority and shall pay to such authority all the fees that is required to be paid for the execution of work. He shall protect and indemnify the Department and its officials & employees against any claim and /or liability arising out of

violations of any such laws, ordinances, orders, decrees, by himself or by his employees or his authorized representatives. Nothing extra shall be payable on these accounts. The fee payable to statutory authorities for obtaining the various permanent service connections and Occupancy Certificate for the building shall be borne by the Department.

1.21 **INTEGRATED SERVICE DRAWINGS**

Before taking up the work, the contractor shall plan various civil and electrical services and mobilize his resources as per the Integrated drawings and as per the site conditions to facilitate convenient execution, installation as well as maintenance of these services. Nothing extra shall be payable on this account.

1.22 **TOOLS AND PLANTS**

The contractor should have own construction equipment required for the proper and timely execution of the work. Nothing extra shall be paid on this account.

No tools and plants including any special T&P etc. shall be supplied by the Department and the Contractor shall have to make his own arrangements at his own cost. No claim of hindrance (or any other claim) shall be entertained on this account.

1.23 The Contractor shall maintain all the work in good condition till the completion of entire work. The Contractor shall be responsible for and shall make good, all damages and repairs, rendered necessary due to fire, rain, traffic, floods or any other causes. The Engineer-in-Charge shall not be responsible for any claims for injuries to person/workmen or for structural damage to property happening from any neglect, default, want of proper care or misconduct on the part of the Contractor or of any other of his representatives, in his employment during the execution of the work. The compensation, if any, shall be paid directly to the Department / authority / persons concerned, by the Contractor at his own cost.

1.24 **CO-OPERATION WITH OTHER CONTRACTORS/SPECIALIZED AGENCIES/SUB-CONTRACTORS**

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

1.25 **SUPERVISION OF WORK**

The Contractor shall depute Site Engineer & skilled workers as required for the work. He shall submit organization chart along with details of Engineers and supervisory staff. It shall be ensured that all decision making powers shall be available to the representatives of the Contractor at work site itself to avoid any likely delays on this account. The Contractor shall also furnish list of persons for specialized works to be executed for various items of work. The Contractor shall identify and deploy key persons having qualifications and experience in the similar and other major works, as per the field of their expertise. If during the course of execution of work, the Engineer-in-Charge is of the opinion that the deployed staff is not sufficient or not well experienced; the Contractor shall deploy more staff or better-experienced staff at site as mentioned in the bid document to complete the work with quality and within stipulated time limit.

1.26 **Specialized Agencies**

The bid comprises of civil and E&M work. The list of specialized items for civil or E&M which are to be got executed through specialized agencies as mentioned in NIT.

1.27 **RATE(S) OFFERED**

The rate(s) quoted by the bidder, shall be firm and inclusive of all taxes and levies (including GST and construction labour welfare cess).

For completing the work in time, the Contractor might be required to work in two or more shifts (including night shifts). No claim whatsoever shall be entertained on this account, notwithstanding the fact that the Contractor may have to pay extra amounts for any reason, to the labourers and other staff engaged directly or indirectly on the work according to the provisions of the labour and other statutory bodies regulations and the agreement entered upon by the Contractor with them. All material shall only be brought at site as per program finalized with the Engineer-in- Charge. Any pre-delivery of the material not required for immediate consumption shall not be accepted by the department and thus not paid for.

The percentage (rates) quoted by the Contractor are deemed to be inclusive of site clearance, setting out work (including marking of reference points, center lines of buildings),construction and maintenance of reference bench mark(s), taking spot levels, construction of all safety and protection devices, barriers, barricading, signage, labour safety, labour welfare and labour training measures, preparatory works, working during monsoon, working at all depths, height and location etc. and any other incidental works required to complete this work. Nothing extra shall be payable on this account.

The Contractor shall bear all incidental charges for cartage, storage and safe custody of materials, if any, issued by department as well as to those materials also arranged by the contractor.
Any cement slurry added over base surface (or) for continuation of concreting for better bond is deemed to have been built in the items and nothing extra shall be payable or extra cement considered in consumption on this account.

**1.28 SAFETY MEASURES**

(i) **Necessary protective and safety equipment's such as helmet, safety shoes, gloves, googles, safety harness etc shall be provided to the Site Engineers, Supervisory staffs, labours, technical staffs of the contractor and also to the Departmental officials supervising/inspecting the works by the Contractor at his own cost and to be used at site. Nothing extra will be paid on this Account.**

**1.29 QUALITY ASSURANCE**

The contractor shall ensure quality construction in a planned and time bound manner. Any sub-standard material / work beyond set out tolerance limit shall be summarily rejected by the Engineer-in-charge &contractor shall be bound to replace / remove such sub-standard / defective work immediately. If any material, even though approved by Engineer-In-Charge is found defective or not conforming to specifications shall be replaced / removed by the contractor at his own risk & cost.

All materials and fittings brought by the contractor to the site for use shall conform to the samples approved by the Engineer-in-charge which shall be preserved till the completion of the work. If a particular brand of material is specified in the item of work in Schedule of Quantity, the same shall be used after getting the same approved from Engineer-In-Charge. Wherever brand / quality of material are not specified in the item of work, the contractor shall submit the samples as per suggested list of brand names given in the tender document / particular specifications for approval of Engineer-In-Charge. For all other items, materials and fittings of ISI Marked shall be used with the approval of Engineer-in-Charge. Wherever ISI Marked material / fittings are not available, the contractor shall submit samples of materials / fittings manufactured by firms of repute conforming to relevant specifications or IS codes and use the same only after getting the

approval of Engineer-In-Charge.

The Contractor shall procure and provide all the materials from the manufacturers / suppliers as per the list attached with the tender documents, as per the item description and particular specifications for the work. The equivalent brand for any item shall be permitted to be used in the work, subject to documentary evidence produced by the contactor for non-availability of the brand specified and also subject to independent verification by the Engineer-in-Charge. In exceptional cases, where such approval is required, the decision of Engineer-in- Charge as regards equivalent make of the material shall be final and binding on the Contractor. No claim, whatsoever, of any kind shall be entertained from the Contractor on this account. Nothing extra shall be payable on this account. Also, the material shall be procured only after written approval of the Engineer-in-Charge.

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

The tests, as necessary, shall be conducted in the laboratory approved by the Engineer–in- Charge. The contractor shall collect the sample(s) from the site and submit it to the lab; make necessary payment for the testing charges. The samples shall be taken for carrying out all or any of the tests stipulated in the particular specifications and as directed by the Engineer-in- Charge or his authorized representative.

The Contractor shall at his own risk and cost make all arrangements and shall provide all such facilities including material and labour, the Engineer-in-Charge may require for collecting, preparing, forwarding the required number of samples for testing as per the frequency of test stipulated in the contract specifications or as considered necessary by the Engineer-in-Charge, at such time and to such places, as directed by the Engineer-in-Charge. Nothing extra shall be payable for the above.

The Contractor or his authorized representative shall associate in collection, preparation, forwarding and testing of such samples. In case he or his authorized representative is not present or does not associate him, the result of such tests and consequences thereon shall be binding on the Contractor. The Contractor or his authorized representative shall remain in contact with the Engineer-in–Charge or his authorized representative associated for all such operations. No claim of payment or claim of any other kind, whatsoever, shall be entertained from the Contractor.

All the testing charges shall be borne by the contractor.

**1.30 SUBMISSION AND DOCUMENTATION**

(i) The contractor will **record measurements online to create e-MB (as per ERP Implementation OM No. 135 of 2023 vide letter no. DG/01/2022-23/115 Dated 21.03.2023 and DG/Manual/2022/Misc/13 Dated 25.04.2023)** for the work carried out by him for making payment as per Clause – 6 of the **CPWD General Conditions of Contract 2023 (Maintenance Work)** with correction slips issued upto previous day of the last date of submission of bid.

(ii) To avoid delay, contractor should submit all samples well in advance so as to give timely orders for procurement.

**1.31 TEMPORARY WATER/ ELECTRICITY/ TELEPHONE CONNECTION**

Arrangement of temporary telephone connection, water and electricity required by Contractor, shall be made by him at his own cost and also necessary permissions shall be obtained by him directly from concerned authorities, under intimation to the Department. Also, all initial cost and running charges, and security deposit, if any, in this regard shall be borne by him. The Contractor shall adhere by all the rules/ bye laws applicable in this regard and he shall be solely responsible

for any penalty on account of violation of any of the rules/byelaws in this regard. Nothing extra shall be payable on this account.

The Contractor shall be responsible for maintenance and watch and ward of the complete installation and water / electricity meter and shall also be responsible for any pilferage, theft, damage, penalty etc. in this regard. The Contractor shall indemnify the Department against any claim arising out of pilferage, theft, damage, penalty etc. whatsoever on this account. Nothing extra shall be payable on this account.

The Department shall in no way be responsible for either any delay in getting electric and/or water and/or telephone connections for carrying out the work or not getting connections at all. No claim of delay or any other kind, whatsoever, on this account shall be entertained from the Contractor. Also contingency arrangement of stand-by water & electric supply shall be made by the Contractor for commencement and smooth progress of the work so that work does not suffer on account of power failure or disconnection or not getting connection at all. No claim of any kind whatsoever shall be entertained on this account from the Contractor. Nothing extra shall be payable on this account.

**1.32 CLEANLINESS OF SITE**

(i) The Contractor shall not stack building material/malba/muck on the land or road of the local development authority or on the land owned by the others, as the case may be. So the muck, rubbish etc. shall be removed periodically as directed by the Engineer-in-Charge, from the site of work to the approved dumping grounds as per the local byelaws and regulations of the concerned authorities and all necessary permissions in this regard from the local bodies shall be obtained by the Contractor. Nothing extra shall be payable on this account. In case, the Contractor is found stacking the building material/malba as stated above, the Contractor shall be liable to pay the stacking charges/penalty as may be levied by the local body or any other authority and also to face penal action as per the rules, regulations and bye-laws of such body or authority. The Engineer –in-Charge shall be at liberty to recover, such sums due but not paid to the concerned authorities on the above counts, from any sums due to the Contractor including amount of the Security Deposit and performance guarantee in respect of this contract agreement.

(ii) The contractor shall take instructions from the Engineer-In-Charge regarding collection and stacking of materials at any place. No excavated earth or building rubbish shall be stacked on areas where other buildings, roads, services and compound walls are to be constructed.

(iii) The site of work shall be always kept clean due to constraints of space and to avoid any nuisance to the users of buildings in the adjacent plots. The Contractor shall take all care to prevent any water-logging at site. The waste water, slush etc. shall not be allowed to be collected at site. It may be directly pumped into the creek with prior approval of the concerned authorities. For discharge into public drainage system, necessary permission shall be obtained from relevant authorities after paying the necessary charges, if any, directly to the authorities. The work shall be carried out in such a way that the area is kept clean and tidy. All the fees/charges in this regard shall be borne by the Contractor. Nothing extra shall be payable on this account.

1.33 **INSPECTION OF WORK**: In addition to the provisions of relevant clauses of the contract, the work shall also be open to inspection by Senior Officers of CPWD / KV, if needed. The contractor shall at times during the usual working hours and at all times at which reasonable notices of the intention of the Engineer-in-charge or other officers as stated above to visit the works shall have been given to the contractor, either himself be present to receive the orders and instructions or have a responsible representative duly accredited in writing, to be present for that purpose.

1.34 **GENERAL CLARIFICATIONS**

Addition: NIL Overwriting: NIL Correction: NIL Deletion : NIL AE(P)

i) Wherever any reference to any Indian Standards occurs in the documents relating to this contract, the same shall be inclusive of all amendments issued thereto or revisions thereof, if any, up to the date of receipt of bids.

ii) Unless otherwise specified in the schedule of quantities, the rates for all items of work shall be considered, as inclusive of pumping out or bailing out water, if required throughout the construction period for which no extra payment shall be made. This shall also include water encountered from any source such as rains, floods, sub soil water table being high and/or due to any other cause whatsoever.

iii) All stone aggregate and stone ballast shall be of hard stone variety to be obtained from approved quarries. Coarse sand should be obtained from approved sources. The same shall be clean and sharp angular grit type. The coarse sand shall be screened before using, if required. If the sand brought to site is dirty, it must be washed in clean water to bring the sand to the required specifications.

Nothing extra shall be payable on this account.

v) The rates for all items of work, shall unless clearly specified otherwise, include cost of all operations and all inputs of labour, material, T & P, scaffolding, wastages, watch and ward, other inputs, all incidental charges, all taxes, cess, VAT, duties, levies etc. required for execution of the work.

**1.35 Compliance on Construction and Waste Management Rules-2016:**

The contractor shall comply the Construction & Demolition Waste Management Rules-2016 notified by the Ministry of Environment and Forest, Government of India (web address: www.moef.gov.in)regarding the disposal of waste. Nothing extra shall be payable on tis account.

**2.0 PARTICULAR SPECIFICATIONS FOR MAJOR COMPONENT (CIVIL):**

2.1.1. The work shall in general be carried out in accordance with CPWD specifications for the works 2019 Vol. I & II with up to date corrections slips.

2.1.2. However, if the said specifications differ from those detailed in the description of any particular item in the schedule of quantities and specifications finally accepted by the Department, the later shall prevail.

2.1.3. Similarly, if the said specifications differ from the particular specifications given hereunder, the particular specifications given hereunder shall prevail.

2.1.4. If the detailed description of any particular item in the schedule of quantities and specifications finally accepted by the department differs from the particular specifications given hereunder, the former shall prevail to the extent applicable.

2.1.5. If the particular specifications given here under differ from IS Code provisions in any respect, the former shall prevail.

**2.2.1 CONDITIONS FOR WATER**:

The contractor shall make his own arrangement for providing water for construction and drinking purpose. Water charges shall not be recovered on account of it. Contractor shall get the water tested from any laboratory approved by the Engineer-in-charge at regular interval as per the CPWD Specifications 2019. All expenses towards collection of samples, packing transportation including testing charges etc. shall be borne by the contractor.

**2.2 STRUCTURAL STEEL WORK**

**General:**

The work includes supplying, providing, fabricating, assembling, and erecting at site Tubular structure steel in the bended profile shaped as per the drawing with special plate connectors, pinion joints, using SAW /MAW / MIG welding process.

**Material:**

MS Pipes to be used shall be as per IS 1161 YST 210 Gr. or equivalent standards. Material grade less than YSt 210 shall not be allowed to use in the work. However higher grade shall be permitted without any extra cost to CPWD.

Bolts to be high tensile bolts of minimum 10.9 grades having black phosphate coating. The Bolts should be as per IS 1363/1364. Bolts shall be provided with a washer of sufficient thickness to avoid any threaded portion falling within the thickness of the parts bolted together if required. The bending of the members wherever specified should be in exact profile as per requirement.

Connector should be of high strength, manufactured out of similar grade of pipe material of required dimensions and holes for the bolts in the required position and direction.

The structure should be properly bended, connected welded and aligned to get the required profile.

**Execution:**

Structure work (Built-up section and in pattern as per design and drawings) shall be got executed by specialized agencies having requisite experience in execution of similar nature of works as approved by Engineer-in-Charge.

The structure should be properly bended, connected, welded and aligned to the required profile, i.e. work shall be executed as per designs and drawings. Shop drawings shall be prepared by the agency and got approved by the Engineer-in-Charge.

**Test & Codes Applicable**

Welding shall be in accordance with the following Indian Standards as applicable.

a) IS: 816 - Code of Practice for use of metal arc welding for general construction in mild steel.

b) IS: 820 - Code of Practice for the use of welding in tubular construction.

The joining faces of structural elements shall be made proper by shearing, chipping, gas cutting and grinding etc. and should be dressed properly before welding.

The surface to be welded and adjoining metal for distance of at least 20mm must be cleaned free of rust, scale, paint etc.

Each bead of metal shall have the slag removed by light hammering and wire brushing before the next bead is deposited. The weld must show a good clean contour and on a cut specimen good fusion with parent metal. Before applying paint the weld shall be carefully chipped and wire brushed.

The work includes preparation of shop drawings giving complete information, necessary for the fabrication of the component parts of the structure including the location, type, size, length and detail of all welds, and nuts, bolts, rivets etc. as per as per approved structural drawings. The shop drawings shall be sufficient to ensure convenient/correct assembly and erection at site. These drawings shall also include full details of all joints, connections, splices etc.

**Fabrication:**

**Site Arrangements**

For fabrication at site suitable yard shall be constructed and separate arrangements for surface preparation & painting shall be made.

**Assembly**

All connections shall be either bolted or welded as shown on the drawings. The contractor shall not redesign or alter any connection without prior approval of the Engineer-in-Charge. The components parts shall be assembled in such a manner that they are neither twisted nor otherwise damaged and shall be prepared such that the specified cambers, if any, are provided. Drifting done during assembly shall not distort the metal or enlarge the holes.

**Bolting**

a. All steel work, which is bolted together, shall be in close contact over the whole surface. Where two bolted surfaces are to be inn permanent contract after assembly, each shall be thoroughly scraped free of loose sales, dirt and burs and a heavy coat of primer or other approved paint after cleaning and drying.

All bolts shall be provided with washers under the nuts and the washers shall be tapered on the inside of the flanges or RS joists and channels. Bolts and studs shall project not less than one full thread through the nut after tightening. Unless otherwise specified, the ends of the bolts shall be burred after erection of prevent the removal of nuts.

b. High strength bolts shall be used in bearing of friction as per the drawings. High strength bolted joints shall be made without the use of erection bolts. Bolts shall be of a length that will extend not less than 10mm beyond the nuts. Bolts shall be entered into the holes without damaging the tread members. They shall be brought tightly together with sufficient high strength fitting up bolts, which shall be re tightened as all the bolts are finally tightened. Bolt heads shall be protected from damage during placing. Bolts that have been completely tightened shall be marked for identification. Bolted parts shall fit solidly together and shall not be separated by interposed compressible materials. The contract surface in high strength bolted connections shall be free of oil, paint, lacquer, loose scale or other coatings. The facing surfaces shall be machined flat. Final tightening of high strength bolts shall be by turn of nut method.

c. Anchor bolts shall be set by use of templates secured firmly in place to permit true positioning of the bearing plates and assembles. When in drawings anchor bolts are shown to be installed in sleeves, the sleeves shall be filled with grout.

**Welding**

Welding shall generally be done by electric arc process as per IS 816 and IS 823. The electric arc method is usually adopted and is economical. Where electricity for public is not available generators shall be arranged by the contractor at his own cost unless otherwise specified. Gas welding shall only by resorted to using oxyacetylene flame with specific approval of the Engineer-in-charge. Gas welding shall not be permitted for structural steel work Gas welding required heating of the members to be welded along with the welding rod and is likely to create temperature stresses in the welded members. Precautions shall therefore be taken to avoid distortion of the members due to these temperature stresses. The work shall be done as shown in the shop drawings which should clearly indicate various details of the joint to be welded, type of welds, shop and site welds as well as the types of electrodes to be used. Symbol for welding on plans and shops drawings shall be according to IS 813. As far as possible every effort shall be made to limit the welding that must be done after the structure is erected so as to avoid the improper welding that is likely to be done due to heights and difficult positions on scaffolding etc. apart from the aspect of economy. The maximum dia of electrodes for welding work shall be as per IS 814. Joint surfaces

which are to be welded together shall be free from loose mill scale, rust, paint, grease or other foreign matter, which adversely affect the quality of weld and workmanship.

**Erection**

As far as possible, the contractor shall deliver the fabricated steel work to the site in the same sequence as that which he wishes to follow for the erection. Dispatch should be scheduled to avoid cluttering up of the site. The bolts required for erection shall be bagged according to size prior to dispatch.

All structural work shall be erected in accordance with IS: 800, IS: 806 and IS: 1915 and as per the approved erection drawings. The contractor shall be responsible for setting out the works. The suitability and capacity of all plant and equipment used for erection shall be to the satisfaction of the Engineer-in-Charge. These shall be regularly serviced and maintained. Occupational safety practices shall be strictly adhered to and shall be to the satisfaction of the Engineer-in-Charge.

Individual places shall be plumbed, leveled and aligned. Drifting shall be used only to bring together the several parts. They shall not be used in such manner as to distort or damage the metal. Temporary bracing and staging shall be provided to ensure proper alignment and to adequately protect all persons, property and to withstand all loading to which the structure may be subjected during erection.

Attachment of such temporary steel work to the permanent steel work shall only be done with the approval of the Engineer-in-Charge. Temporary steel work shall remain in position until the structure is stable and self-supporting and permanently bolted or welded to the satisfaction of the Engineer-in-Charge after removal of temporary steel work, the permanent structure shall be made good to the complete satisfaction of the Engineer-in-Charge.

No permanent bolting or welding shall be done until proper alignment has been obtained. Erection of the parts with any moderate amount of reaming, chipping or cutting shall be immediately reported to the Engineer-in-Charge. The steel work shall be rejected unless corrective action is approved by the Engineer-in-Charge.

Placement of joists shall not start until the supporting work is secured. Temporary bridging, connections and anchors shall be provided to assure lateral stability during erection. Bridging to steel joists shall be installed immediately after joint erection, before any construction loads are applied. Horizontal or vertical bridging shall be provided in accordance with the type of span of the joists. Ends of the bridging lines shall be anchored at top and bottom chords were terminating to walls or beams.

**Steel Primer**

A priming coat of approved steel primer such as Red Oxide/Zinc Chromate primer conforming to IS 2074 shall be applied before any member of steel structure are placed in position or taken out of workshop

**Measurement**

The work as fixed in position shall be measured in running meters correct to a millimeter and their weight calculated on the basis of standard table correct to the nearest kilogram. Steel section shall be acceptable within tolerance limits. Payment for the steel section shall be made as per actual weight within tolerance. Section having weight on higher side than permissible tolerance, may be acceptable but payment shall be made on the basis of standard weight only. Steel section having weight variations lower than permissible variation shall not be acceptable.

Unless otherwise specified weight of cleats, brackets, plates, packing, bolts nuts, washers, distance pieces, separators diaphragm gussets (taking overall square dimensions) fish plates etc. shall be

added to the weight of respective items. No deduction shall be made for skew cuts. No deduction shall be made for rivet/ or bolts holes (excluding holes for anchor or holding down bolts) Deduction in case of rivet or bolts hole shall, however, made if its area exceeds 0.02 sqm.

The weight of steel sheet and strips shall be taken from relevant Indian standards based on 7.85 kg/ sqm. for every millimeter sheet thickness. For rolled section, steel rods and steel strips, weight given in relevant Indian Standards shall be used.

**Rates**

Rate includes the cost of labour and materials required for all the operations described above.

**3.** ***In the event of prolongation of agreement due to delay or reduction in the scope of work, no claim on a/c of reduction in the scope of work, loss of business, loss of profit consequently, overheads and any type of interest etc. will be entertained.***

**4.** ***The said work is to be executed in the Andaman & Nicobar Bhawan, the work may be executed in day/night shifts. The agency to plan the work accordingly.***

***5.*** ***The work to be executed in Andaman & Nicobar Bhawan. Utmost care shall be taken by the agency during the handling of any construction material, demolition etc. so that minimum disturbance/ safety of the staff may be ensured.***

***6.*** ***The said work is to be executed in the Andaman & Nicobar Bhawan, so work may be stopped or not allowed during school hours. The agency to plan the work accordingly. Agency shall have no claim to damages or hindrance on this account.***

# SPECIAL CONDITIONS

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

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

3. All the malba or rubbish obtained from dismantling or otherwise during the execution of the work shall be brought down through the stair case. Lifts shall not be used for this purpose and shall not be thrown to the ground directly from first floor or second floor etc. Malba/ rubbish generated due to any operation from the building and there upon whatsoever shall be disposed off on daily basis by the contractor to the specified common disposal point. After the collection of full truck load of the said malba/rubbish (approx. 4.5 cubic metres), the same shall be disposed off on same day by the contractor to the to "C & D waste management site . Failing which the same shall be got removed by the Engineer-in-charge and the cost so incurred on the removal of the same shall be recovered from the contractor's bill.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

28 The contractor shall have to carry out the work according to approved programme duly approved by the competent authority. The contractor shall not carry out any work in any building without permission of the Engineer-in-Charge. The contractor shall have to adhere this programme failing which he shall be wholly responsible for any inconveniences caused to the occupants. No claim for idle labour on any account shall be entertained. The contractor shall depute his representative daily to the site of work. His name and signature shall be attested by the contractor for record in the department.

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

30 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.

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

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

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

34 Income Tax, Labour cess and other taxes shall be recovered on the gross amount of the bills as per relevant rules.

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

**(a)** For the materials to be arranged by the contractor:- In case the materials used other then mentioned Schedule F under clause 12 is less than theoretical requirements the cost for the material used less shall be recovered from the contractor at the basic rate as given in D.S.R. 2023 plus carriage plus 1% W.C. plus 15% contractor profit and over heads plus contractors enhancement/abatement as per clause 12 of the agreement. For all excess use of materials over the theoretical consumption no extra payment shall be made to the contractor:

36Before bringing any material at site, the agency will intimate the source of material by submitting the invoice and will get approved the sample first.

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

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

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

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

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

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

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

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

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

**46. SUBMISSION AND DOCUMENTATION**

**(i) The contractor will record measurements online to create e-MB (as per ERP Implementation OM No. 135 of 2023 vide letter no. DG/01/2022-23/115 Dated 21.03.2023 and DG/Manual/2022/Misc/13 Dated 25.04.2023) for the work carried out by him for making payment as per Clause – 6 of the CPWD General Conditions of Contract 2023 (Maintenance Work) with correction slips issued upto previous day of the last date of submission of bid.**

**(ii) To avoid delay, contractor should submit all samples well in advance so as to give timely orders for procurement.**

**47. TESTING OF MATERIALS**

47.1 Samples of various materials required for testing shall be provided free of charges by the contractor. All expenditure to be incurred for testing of samples e.g. packaging, sealing, transportation, loading, unloading etc. including testing charges shall be borne by the contractor.

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

47.3 The Contractor shall at his own expense, setup a material testing lab equipped with the testing equipment as specified in Schedule 'F' at site for conducting routine field test.

47.4Letter for submitting sample(s) for testing of material shall be sent through e-mail to the Lab by authorized representative of Engineer-in-Charge or Engineer-in Charge of the work along with name(s) of test(s) to be done on the material'. The contractor shall collect the sample(s) from the site and submit it to the lab; make necessary Payment for the testing charges. He will inform on the same day through email to authorized representative of Engineer-in-Charge and Engineer-in-charge regarding submission of sample (s) and payment made to the lab. if he either fails to collect or submit the sample(s) to the lab within 03 days or in time as prescribed in the specifications, whichever is earlier, the Engineer-in-Charge shall collect and submit the sample(s) and make necessary payment for testing charges to the lab, ln such case, Engineer-in-Charge shall make recovery on account of collection and submission of sample(s) to the lab and paid testing charges etc. from the next R/A bill / Final bill of the contractor. This action of Engineer-in-Charge shall be final and binding.

# LIST OF PREFERRED MAKES OF MATERIALS (FOR CIVIL WORKS)

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

| Sl. No. | Materials | Approved Make / Brand |
|---|---|---|
| 1 | Poly-Sulphide Sealant | Pidilite, Tuffseal, Choksey/DURABUILD, Dow Corning |
| 2 | Damp Proof Material | Impermo, DuraBuild, Acco-Proof, CHOKSEY |
| 3 | Admixture | Fosroc, BASF, SIKA |
| 4 | White Cement | J.K. White, Birla White |
| 5 | Water Proofing Compound | CICO, Pidilite, SIKA, Dr. Fixit, Berger, BASF, Fosroc, Asian |
| 6 | Cement | ACC, Birla, Ultratech, Ambuja, J.K., Shree Cement, Lafarge Cement, JSW |
| 7 | Locks/Latch/Handle | Godrej, Harrison, Hafele, Plaza, Kich, Hettich, Ozone, Dorma, YALE |
| 8 | Laminates | Formica, Merino, Greenlam, Century, Royal Touch, Green Ply, AICA (Sunmica), Anchor |
| 9 | Prelaminated Particle Board | Action TESA, Bhutan Boards, Greenlam, Century |
| 10 | Tiles/Stone Fixing Adhesive *(Only High-performance, polymer modified, nonslip adhesive)* | Saint Gobain-Weber, Roff, Ultratech, Ferrouscrete, Myk laticrete |
| 11 | Epoxy Mortar | Fosroc, Dura Build, Sika, BASF, CHOKSEY |
| 12 | Dash/Chemical Fasteners | Hilti, Fischer, Canon, Bosch |
| 13 | Wooden Flush Door Shutters | Greenply (Green), Century Ply (PRO), Duroply (TOWER), Green Panel, Merino, Greenlam, Anchor, Kenwood |
| 14 | Block Board & Plywood | Greenply (Green Gold), Century (Club Prime), Duroply (Pumaply), Archidply (Classic 710), Merino (Super Plywood), Green Panel (Gold BWP) |
| 15 | Hydraulic Door Closer/Floor Spring/Mortise Lock | Hardwyn, Godrej, Dorma, Hafele, Kich, Gez, Assa Abloy |
| 16 | SS 304 Door Hardware for D/W *(other than Floor Spring Door Closer, Locks)* | Kich, Ozone, Godrej, Dormakaba, Yale, Geze, Hafele, Briton, Assa Abloy |
| 17 | Structural Steel & Hollow Section – *Primary Producers only* | SAIL, TATA (TISCO), RINL, Jindalsteel & Power (JSPL), JSW, APL APOLLO |
| 18 | Multipurpose Lock | Dorma, Hardwyn, Dorset, Godrej, Everest, Kich |

Addition: NIL Overwriting: NIL Correction: NIL Deletion : NIL AE(P)

| Sl. No. | Materials | Approved Make / Brand |
|---|---|---|
| 19 | Anodized Aluminium Hardware (Heavy Duty) | Hardima, Everite, Sigma (ISI Marked), Dorma |
| 20 | Glass (All Types) | Modi Guard, Saint Gobain, ASAHI |
| 21 | Polyester Powder Coating Shades | Nerolac, Berger, J&N |
| 22 | Aluminium Sections *(Other than modular/system Aluminium products for partitions, windows and curtain wall)* | Jindal, Hindalco, Indalco |
| 23 | Friction Stay Hinges | Earl-Bihari, Godrej, Hettich, Haffele |
| 24 | Nuts, Bolts and Screws, Steel | Kundan, Priya, Atul, Puja |
| 25 | Structural Silicone | Dow Corning / Wacker |
| 26 | Adhesive Tape | Norton, 3M |
| 27 | Terrazzo Tiles (Precast) / Plain / Chequered | NITCO, HINDUSTAN, MODERN, Unistone, K.K. Manhole, Ultra |
| 28 | Glazed Ceramic Tiles (Matt/Polish) | Kajaria, Johnson, AGL, Somany, Nitco |
| 29 | Cement Concrete Tiles / Hardonite Tiles | NITCO, NTC, HINDUSTAN, Unistone, Dalal, Surendera |
| 30 | Vitrified Tiles (Glazed Vitrified Tiles / Double Charged Vitrified Tiles / Full Body Vitrified) | Kajaria, Johnson, AGL, Somany, Nitco |
| 31 | Gypsum False Ceiling System including Suspension Systems | Saint Gobain, USG Boral, Knauf Danoline |
| 32 | Paint & Distemper | ASIAN Paints, NEROLAC, BERGER, Dulux, ICI Dulux |
| 33 | Stainless Steel Kitchen Sinks | Nilkanth, Jayna, Nirali, Hafele |
| 34 | C.P. Brass Bath Fittings / Sanitary Ware | Kohler, Roca, Grohe |
| 35 | Soil, Waste & Vents Pipes & Fittings – A) Centrifugal Cast Iron | Neco, RIF, SKF, HIF, Kapilansh |
| 36 | G.I. Pipes | Tata, Jindal–Hissar, Prakash Surya |
| 37 | Gunmetal Valves | Leader, Sant, Zoloto, Deepak Valves |
| 38 | MS Pipe | Kesoram, ElectroSteel, TATA, Well Span |
| 39 | UPVC Pipe & Fittings | Supreme, Prince, Finolex, Astral |

Addition: NIL Overwriting: NIL Correction: NIL Deletion : NIL AE(P)

| Sl. No. | Materials | Approved Make / Brand |
|---|---|---|
| 40 | Ball Valves | Zoloto, IBP, Arco |
| 41 | Unglazed Vitrified Tiles | Johnson–(Endura), Somany–(DuraStone), Regency–(Tiles), Kajaria, Oasis, Varmora |
| 42 | Spider Fittings | Dorma, Sevax, Hettich |
| 43 | Mineral Fibre False Ceiling | Armstrong, Hunter Douglas, RITES |
| 44 | PVC/Synthetic Water Tank | Sintex, Uniplast, Polycon, Plasto |
| 45 | Hot Water Insulation | Glass Wool / Mineral Wool |
| 46 | Elastomeric Sleeve | Twiga / Rocklloyd |
| 47 | Beveled Edge Mirror | Atul / SaintGobain / Modiguard, Jolly |
| 48 | Wall Putty | Birla White, J.K White, Berger, Asian Paint |
| 49 | Drapery Rod, Venetian Blinds, Roller Blinds | Mac, Vista, Deck, Hunter Douglus, D-Decor |
| 50 | Ready Mix Concrete (R.M.C.) | ACC, Unitech, Ultra Tech (Birla), L&T, RMC India, Lafarge, M/s NDCON Construction, Shri Ram Ready Mix Concrete Pvt. Ltd., V.K. Ready Mix Concrete Pvt. Ltd. |
| 51 | Metal False Ceiling | Armstrong, Hunter Douglus, Durlum, Grproc, Armstrong, R.K Ceiling |
| 52 | Open Cell Ceiling | Armstrong, Hunter Douglus, Durlum, Grproc, R.K Ceiling |
| 53 | GRG Ceiling | Diomond, Armstrong, Durlum, R.K Ceiling |
| 54 | Bamboo and Wooden Grill/Baffle, Backer/Box Metal Special False Ceiling | Epitome, Armstrong, Hunter Douglas, SAS |
| 55 | Engineering Wood Flooring | Vitofloor, Mikasa, Vista, Kaara, Prodigy |
| 56 | Wooden Laminate Flooring | Vista, Juncker, Vitofloor, Action Tesa, Kronoswiss |
| 57 | Nylon Carpet Tiles/Rolls | Forbo Flotex, Euronics |
| 58 | Calcium Silicate and Gypsum Board/Tiles including Framework | Ramco-Hilux, Gyproc, Boral, SaintGobain, USG, Gyptech, RITES, R.K Ceiling |
| 59 | Steel Reinforcement (TMT Bars) | Tata, SAIL, RINL, JSPL, JSW |
| 60 | Conference Table and Other Furniture | Godrej, Rockworth, Hayworth, Steelcase |
| 61 | AAC Block | Finecrete, Ultra Tech, ACC, JK, SHREECEMENT |

| Sl. No. | Materials | Approved Make / Brand |
|---|---|---|
| 62 | Fire Resistant Doors | Shakti Hormann, Navair, IHMS, Tata Pravesh, GMP, Pacific, Bhawani Fire Protection Pvt. Ltd. |
| 63 | Fire Rated Hardware | Dormakaba, Yale, Hafele, Geze, Hormann, BRITON |
| 64 | Prelaminated Cement Bonded Wood Particle Board | Bison, RAMCO, Everest, Visaka Industries, Hicem |
| 65 | Furniture Hardware | Godrej, Hettich, Hefele, Dorma, Kich, Ebco, Grass, Blum |
| 66 | Raised/False Access Flooring System | Unitile, Tankaria, Unifloor, Access Floor System |
| 67 | Rockwool/Glass Wool Insulation | UPT Wiga, Rock Wool India, Roxul Rockwool India, Lloyd, Siderise |
| 68 | Gypsum Lightweight Plaster | Saint Gobain Gyproc (Elite-90), Ultratech, USG Boral, Birla White, Dudhi |
| 69 | Wood Polish | Asian, MRF, ICA, Monocoat, Jotun, Nerolac, Sirca, Jivanjor, ICI Dulux |
| 70 | CPVC Pipes and Fittings | ASHIRWAD, FINOLEX, SUPREME, ASTRAL, PRINCE, TRUFLO by Hindware |
| 71 | Toughened Glass / SGU | Saint Gobin, Asahi, Modiguard (Processed by the theme or their approved processors) |
| 72 | Particle Board | Green Panel, Action Tesa, Century |
| 73 | Wall Paper | D'Décor, Lifencolours, India Circus, Escom, Nilaya by Asian Paint, Marshall, Muraspec |
| 74 | Acoustic Wall Paneling & False Ceiling | Anutone, Techno Ceiling, Saint Gobain, Knauf Armstrong, Himalayan, Ecotone, Rockworth, Gyptech, Anakon, Credence Acoustic and Ceiling |
| 75 | Polymer Planter | Yuccabe, Dedhi, Glyptic Arts |
| 76 | Frosted Film | LG, 3M, Garware, Dupont |
| 77 | Acrylic Sheet | Rehau, Opulux, Treelam, Praveedh, EGR, Décor |
| 78 | Fire Rated Glass | Vetrotech, Saint-Gobain, Pyroguard, AIS, SchottPyran |
| 79 | PU Polish for Wood Work | ICI Dulux, MRF, Asian, Berger, JOTUN, Nerolac, ICA, Sirca |
| 80 | Pre-laminated MDF Board | Green Panel Max, Marino, Veer, Century, Action Tesa |
| 81 | Cobble Stone | Unistone, Dalal, Ultratech |
| 82 | Polyurethane Tactile Tile | Signexpress, DeltonIndia |

| Sl. No. | Materials | Approved Make / Brand |
|---|---|---|
| 83 | S.S. Auto Close Hinges / Telescopic Drawer Channel | Hettich, Hafele, Godrej, Blum |
| 84 | Bamboo Wood Flooring and Wall Panelling | Eco Green Flooring: Jupiter Traders, Bangalore; Epitome: Bamboo Wood Products; Mutha Industries Pvt. Ltd.: Mumbai; Floor India Kaara Decor: Flooring India Company, Panipat, Haryana Kaara New Delhi. |
| 85 | Bitumen | Indian Oil, Hindustan Petroleum, Bharat Petroleum |
| 86 | Non-Metallic Surface Hardener | MC Deritop F.H, Armstrong, Nitoflor Hardtop, Fosroc, Sikafloor®-2 Synltop, Ironite Company of India Ltd. |
| 87 | Glass Door/Partition, Patch Fittings etc. | Dormakaba, Ozone, Yale |
| 88 | S.S. Railing | Jindal Stainless Steel Ltd., ICICH Industries, ESSAR, Dorma, Axel, JNB, Ozone |
| 89 | EPDM Gasket | HANU / ANAND / LESCUYER |
| 90 | Water Proofing Cement Paint | ASIAN, Supper Snowcem, Berger, Fosroc |
| 91 | Curing Compound | FOSROC, BASF, SIKA |
| 92 | G.I. Sheet/Profile Sheet | SAIL, TATA, JINDAL, ESSAR |
| 93 | Fibre Glass Sheet | SIMCRYL, SIMBA, Fiber Tech Building Private Limited |
| 94 | Stoneware Pipe & Gully Trap | PERFECT, PARRY |
| 95 | R.C.C. Pipes (NP-2) | LAKSHMI, SOOD & SOOD, JAIN & CO, DIWAN SPUN PIPES, PRAGATI |
| 96 | C.I. Double Flanger Sluice Valves | KIRLOSKAR, IVC, BURN |
| 97 | C.I. Double Langed Non-Return Valves | KIRLOSKAR, SANT, KARTAR |
| 98 | C.I. Manholes Covers and Frame | B.C.M. FIR, NEFCO, BENGAL IRON CORPORATION, RPMF (ISI MARKED) |
| 99 | UPVC Pipe & Accessories | SUPREME, PRINCE, FINOLEX, ASHIRWAD, ASTRAL |
| 100 | PTMT Ball Valves | SUPREME, PRINCE, FINOLEX, ASHIRWAD, ASTRAL |
| 101 | PPR Pipes | SFMC, SAFE, POINEER INDUSTRIES |
| 102 | Fire Glass for Vision Panels | SAINT GOVAIN, ASHAI INDIA, MODI |
| 103 | PTMT Bibcock/Pillar Cock/Ballcock & | PRAYAG, POLYTUF, SHAKTI |

| Sl. No. | Materials | Approved Make / Brand |
|---|---|---|
| | Other PTMT Fittings/Accessories | |
| **104** | Rolling Shutter | RAMA ROLLING SHUTTER, JOTI ROLLING SHUTTER, ANAND ROLLING SHUTTER |
| **105** | POP (Plaster of Paris) | J.K. LAXMI, SRIRAM NIRMAN, SAKARNI, TRIMURTI |
| **106** | Fiberglass Reinforced Plastic (FRP) Panelled/Flush Door Shutter & Frame & FRP Chajja | FIBREWAYS TECHNOLOGY, SHIV SHAKTI FIBRE UDYOG, SIMBA FRPT PVT. LTD., ADVANCE TECH, YAYNA DOORS, ASHOO MODEL ARTS, FIBRE ENINGEER, FIBRE TECHNO PRODUCTS, JAIN DOORS PVT. LTD. |
| **Sl. No.** | PVC Doors | RAJSHREE, FINOLEX PLASTICS, M/S JAYNA DOOR IND., KAKA |
| **107** | Kitchen Loft Tank | SINTEX, TIRUPATI STRUCTURALS LIMITED, K.M.S. PLAST WORLD PRIVATE LIMITED, PLANET PLASTICS, SRI KAMAKSHI TRADERS, SREYAH NOVEL INC. |
| **108** | Materials | Approved Make / Brand |
| **109** | Precast CC Kerb Stone / CC Paver Blocks | DALAL, PAVER INDIA, K.K., NITCO, HINDUSTAN, KJS CONCRETE |
| **110** | Ductile Iron Pipe (Water Supply) | ELECTRO STEEL, KESSO, KDUPL, ELECTRO, SPUN & HEPCO |
| **111** | Factory Made Section Window | ISI Mark Product Only |
| **112** | WC Seat Cover | KOHLER, GROHE, ROCA |
| **113** | Repair / Rehabilitation Chemicals | PIDILITE, FISCHER, FOSROC, CICO, ASIAN PAINT SMART CARE, SIKA, BERGER |
| **114** | Cement Primer | I) M/s ASIAN PAINTS LTDII) M/s SHALINMAR PAINT LTDIII) M/s ICI INDIA LTD AKZONOBLEIV) FOSROC |
| **115** | Fly Ash Bricks | M/s KJS CONCRETE (P) LTD OR EQUIVALENT |
| **116** | Stone Cladding Clamps | AXEL, ADITYA |
| **117** | Panelled/Wire Mesh Door Shutter (Wooden) | JAIN DOORS PVT. LTD OR EQUIVALENT |
| **118** | APP Waterproofing Treatment | TORCHTAR, APEX, PIDILITE, ASIAN PAINT, IWL INDIA LTD., MARKPHALT, STP Ltd., SIKA |
| **119** | Precast RCC Boundary Wall Posts and Panels | KONKRETE PRODUCT COMPANY, RAJASTHAN PRE CAST CONCRETE PRODUCTS, KK MANHOLE & GRATINGS COMPANY PVT. LTD. |
| **120** | Ready Mix Cement Mortar for Plaster | JINDAL ULTRA TECH, BIRLA, AMBUJA, RAMCO, WAL PLAST |

| Sl. No. | Materials | Approved Make / Brand |
|---|---|---|
| 121 | TOCH Locks | DNV OR EQUIVALENT |
| 122 | WPC Doors/Boards | RAJSHREE, ALSTONE, CENTURY PLY, FLORESTA, ARCHID PLY |
| 123 | Polycarbonate Sheet | LEXAN, COXWELL |
| 124 | Kitchen Baskets, SS 304 | Godrej, Kaff, AKS, Hettich, Liv Smart, Peacock |
| 125 | Porcelain Slab | STONELAM, LEA (SLIMTECH), FLORIM |
| 126 | Crystalline & Swellable Bar / Liquid Membrane / Spray-Applied or Liquid-Applied Waterproofing | Xypex, Penetron, Zypexx, Sterling, Jubilant |
| 127 | Veneer | Greenlam (Decowood), Century, Duroply, Greenply, Green Panel, Archidply |
| 128 | Gypsum Panelling / Dry Wall Partitions | Saint Gobain, USG Boral, Knauf Danoline |
| 129 | Access Panel in False Ceiling System | Saint Gobain, USG Boral, Knauf Danoline |
| 130 | Epoxy Grout / Cementitious Grout for Flooring | Ardex Endura, Saint Gobain-Weber, Roff, Ferrouscret |
| 131 | Double Glazed Glass Partition with Door (Aluminium Glass Partition System) | Dormakaba, Kubik, Otic, Deko, Red Plus, Aludor |
| 132 | Exterior Grade – MDF | Greenlam, Action Tesa, Century, Green Panel |
| 133 | Lacquered Glass | Modi, Saint Gobain, Asahi |
| 134 | Gym Equipment | Life Fitness (Hammer Strength), Technogym, Precore |

**Note:-**

1. All materials and products shall conform to the relevant slanderers (IS, EN, BS, ASTM, ISO, AS//NZS) as applicable and shall be of approved make Lists.
2. Any other item not covered in the make lists must be got approved from Engineer-in-charge before use/procurement.
3. The Contractor shall procure and provide all the materials from the manufacturers / suppliers as per the approved make Lists. The equivalent brand for any item shall be permitted to be used in the work, only when the approved Make/Brand is not available. This is, however, subject to documentary evidence produced by the contactor for non-availability of the Make/Brand specified and also subject to independent verification by the Engineer-in-Charge. In exceptional cases, where such approval is required, the decision of Superintending Engineer, Delhi Circle-IV as regards equivalent Make of the material shall be final and binding on the Contractor. Nothing extra shall be payable on this account.

4. The dismantled material received from the work shall be the property of contractor for which the credit shall be paid and amount will be recovered from the R.A / Final Bill at following rates –

| S. No. | Items/Materials | Rate (in Rs.) |
|---|---|---|
| (a) | Cast Iron/M.S. Scrap | 40.00 per kg. |
| (b) | CP Fittings | 650.00 per kg. |
| (c) | Aluminium Sections, Grills, Sheets etc. | 200.00 per kg. |
| **(d)** | **Wooden doors & Windows** | |
| (i) | Of area upto 3 sqmt. | 1000/- each |
| (ii) | Of area beyond 3 sqmt. | 1500/- each |
| (e) | Old Bricks | 2.30 each |

# Schedule of Quantity (Civil Works)

**Name of work: Special Repair of Andaman & Nicobar Bhawan at Chanakyapuri, New Delhi (SH: Replacing Old C.I pipelines, Roof FRP sheet & miscellaneous repair works)**

| S.No. | Description of items | Qty | Unit | Rate | Amount |
|---|---|---|---|---|---|
| **1** | Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in- Charge: | | | | |
| **1.1** | All kinds of soil | 14.00 | sqm | 129.85 | 1818.00 |
| **2** | Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lift. | 5.00 | cum | 196.00 | 980.00 |
| **3** | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : | | | | |
| **3.1** | 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) | 3.00 | cum | 7878.50 | 23636.00 |
| **3.2** | 1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources) | 3.00 | cum | 6518.60 | 19556.00 |
| **4** | Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources). | 2.00 | cum | 11505.50 | 23011.00 |
| **5** | Centering and shuttering including strutting, propping etc. and removal of form for | | | | |
| **5.1** | Suspended floors, roofs, landings, balconies and access platform | 16.00 | sqm | 927.25 | 14836.00 |
| **6** | Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. | | | | |
| **6.1** | Thermo-Mechanically Treated bars of grade Fe-500D or more. | 300.00 | kg | 107.85 | 32355.00 |
| **7** | Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in: | | | | |
| **7.1** | Cement Mortar 1:6(1 cement :6 coarse sand). | 1.00 | cum | 6295.15 | 6295.00 |
| **8** | Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : | | | | |
| **8.1** | Cement mortar 1:6 (1 cement : 6 coarse sand) | 1.00 | cum | 9105.95 | 9106.00 |

Addition: NIL Overwriting: NIL Correction: NIL Deletion : NIL AE(P)

| | | | | | |
|---|---|---|---|---|---|
| **9** | Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels. | | | | |
| **9.1** | Granite stone slab of all colour and texture except black, Cherry/Ruby red | | | | |
| **9.1.1** | Area of slab upto 0.50 sqm | 16.00 | Sqm | 4170.70 | 66731.00 |
| **9.1.2** | Area of slab over 0.50 sqm | 3.00 | Sqm | 3848.70 | 11546.00 |
| **10** | Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete. | 26.00 | metre | 568.55 | 14782.00 |
| **11** | Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. | | | | |
| **11.1** | In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works | 2200.00 | kg | 172.60 | 379720.00 |
| **12** | Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : | | | | |
| **12.1** | Two or more coats on new work | 68.00 | sqm | 155.90 | 10601.00 |
| **13** | Finishing walls with Acrylic Smooth exterior paint of required shade : | | | | |
| **13.1** | Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface | 720.00 | sqm | 120.75 | 86940.00 |
| **14** | 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. | | | | |
| **14.1** | With cement mortar 1:4 (1 cement : 4 fine sand) | 100.00 | sqm | 547.40 | 54740.00 |
| **15** | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. | | | | |
| **15.1** | Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix) | 6.00 | cum | 2434.25 | 14606.00 |
| **16** | Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer-in-charge. | 3.00 | sqm | 1147.20 | 3442.00 |
| **17** | Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead. | 500.00 | kg | 5.65 | 2825.00 |
| **18** | Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of: | | | | |
| **18.1** | FRP Sheet | 76.00 | sqm | 66.60 | 5062.00 |

Addition: NIL Overwriting: NIL Correction: NIL Deletion : NIL AE(P)

| | | | | | |
|---|---|---|---|---|---|
| **19** | Providing and fixing soil, waste and vent pipes : | | | | |
| **19.1** | 100 mm dia | | | | |
| **19.1.1** | Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989 | 360.00 | metre | 1180.75 | 425070.00 |
| **19.2** | 75 mm diameter : | | | | |
| **19.2.1** | Centrifugally cast (spun) iron socketed pipe as per IS: 3989 | 165.00 | metre | 1186.00 | 195690.00 |
| **20** | Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including cost of cutting holes and making good the walls etc. : | | | | |
| **20.1** | For 100 mm dia pipe | 241.00 | each | 362.85 | 87447.00 |
| **20.2** | For 75 mm dia pipe | 111.00 | each | 360.00 | 39960.00 |
| **21** | Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. | | | | |
| **21.1** | 100 mm dia | | | | |
| **21.1.1** | Sand cast iron S&S as per IS - 3989 | 38.00 | each | 705.20 | 26798.00 |
| **21.2** | 75 mm dia | | | | |
| **21.2.1** | Sand cast iron S&S as per IS- 3989 | 22.00 | each | 522.80 | 11502.00 |
| **22** | Providing and fixing plain bend of required degree. | | | | |
| **22.1** | 100 mm dia | | | | |
| **22.1.1** | Sand cast iron S&S as per IS : 3989 | 19.00 | each | 570.05 | 10831.00 |
| **22.2** | 75 mm dia | | | | |
| **22.2.1** | Sand cast iron S&S as per IS - 3989 | 11.00 | each | 390.50 | 4296.00 |
| **23** | Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. | | | | |
| **23.1** | 100x100x100 mm | | | | |
| **23.1.1** | Sand cast iron S&S as per IS - 3989 | 76.00 | each | 925.70 | 70353.00 |
| **23.2** | 75x75x75 mm | | | | |
| **23.2.1** | Sand cast iron S&S as per IS - 3989 | 44.00 | each | 665.05 | 29262.00 |
| **24** | Providing and fixing single equal plain junction of required degree : | | | | |
| **24.1** | 100x100x100 mm | | | | |
| **24.1.1** | Sand cast iron S&S as per IS - 3989 | 19.00 | each | 811.90 | 15426.00 |
| **24.2** | 75x75x75 mm | | | | |
| **24.2.1** | Sand cast iron S&S as per IS - 3989 | 11.00 | each | 561.20 | 6173.00 |
| **25** | Providing and fixing single unequal plain junction of required degree | | | | |
| **25.1** | 100x100x75 mm | | | | |
| **25.1.1** | Sand cast iron S&S as per IS - 3989 | 11.00 | each | 1032.40 | 11356.00 |
| **26** | Providing and fixing terminal guard : | | | | |
| **26.1** | 100 mm | | | | |
| **26.1.1** | Sand cast iron S&S as per IS - 3989 | 19.00 | each | 506.00 | 9614.00 |
| **26.2** | 75 mm | | | | |

| | | | | | |
|---|---|---|---|---|---|
| **26.2.1** | Sand cast iron S&S as per IS - 3989 | 11.00 | each | 404.75 | 4452.00 |
| **27** | Providing and fixing collar : | | | | |
| **27.1** | 100 mm | | | | |
| **27.1.1** | Sand cast iron S&S as per IS - 3989 | 20.00 | each | 513.15 | 10263.00 |
| **27.2** | 75 mm | | | | |
| **27.2.1** | Sand cast iron S&S as per IS - 3989 | 15.00 | each | 362.05 | 5431.00 |
| **28** | Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter : | | | | |
| **28.1** | 100 mm | 458.00 | each | 622.50 | 285105.00 |
| **28.2** | 75 mm | 272.00 | each | 526.25 | 143140.00 |
| **29** | Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter : | | | | |
| **29.1** | 150 mm | 62.00 | each | 972.45 | 60292.00 |
| **30** | Providing and fixing M.S. holder bat clamp of approved design to sand cast iron/ cast iron (spun) pipes comprising of M.S. flat brackets made of 50x5 mm flat of specified shape, projecting 75 mm outside the wall surface and fixed on wall with 4nos, 6 mm dia expansion hold fasteners, including drilling necessary holes in brick wall/ CC/ RCC surface and the cost of bolts etc. The pipes shall be fixed to the already fixed brackets with the help of 30 mm x1.6 mm galvanised M.S. flats of specified shape and of total length 420 mm and shall be fixed with M.S. nuts, bolts, & washers of size 25x6 mm, one bolts on each side of the pipe. | | | | |
| **30.1** | Total bracket length 810 mm of approved shape and design (for two 100 mm dia pipes) | 50.00 | each | 378.10 | 18905.00 |
| **30.2** | Total bracket length 1040 mm of approved shape and design (for three 100 mm dia pipes) | 30.00 | each | 451.90 | 13557.00 |

| | | | | | |
|---|---|---|---|---|---|
| **31** | Designing, providing and fixing multiwall three or more layered protective coating on external surface with standing seam on polycarbonate sheet panel co-extruded Ultra Violet (UV)both the running ends, sheet shall be connected using polycarbonate connectors having grip lock double tooth locking mechanism and provided with endcap at the ends to ensurewater and air tightness. The light transmission from transparent or translucent or opaque or in combination polycarbonate sheet varies from 15 to 85%, shall be decided by engineer in charge as per requirement. The polycarbonate sheet shall have Dart drop impact value more than 60 Joules as per IS 14434:2023 and confirm either flame retardancy of class UL-94HB/94V-0 category as per IS 14434:2023 or category V0 & HB as per ASTM D635-18 or BS1D0 classification as per EN13501 for fire safety The yellowness index tested as per ASTM E313 (D1925) or ASTIVI E313 (D1925) shall be equal to or more than 10 unit or 6 units respectively on a sample after 5000 Hours of exposure of UV / sun light The cross section ends of poly carbonate sheet shall be provided with self-adhesive aluminium impermeable tape at top and aluminium ventilated tape at bottom of the sheet and covered with polycarbonate / aluminium u-shaped protective profile The poly carbonate sheet shall be held rn position by using stainless steel (SS304 grade) trapezoidal cleat of 1 mm thick having minimum bottom width 35mm and top width 50mm or any other shape and size as per design requirement and manufacturer specification, cleat fixed with 2 or more stainless steel screws of 5 mm diameter with 25mm long with stuctural steel framework. | | | | |
| | The cleat shall be tested to withstand pull out force equal towind speed of som/s as per IS 875 and design test report shall be submitted to Engineerin-charge for approval before use. The cost of ridge and gutters of pre-coated galvanized iron sheet of approved specifications and structural steel framework shall be paid in respective item for separately.Note:- The fixing arrangement using cleat shall be designed separately for coastal areas for cyclonic wind speed. | | | | |
| **31.1** | 18 mm thick, 1000 (+- 10%) wide panel with U value not more than 2.00 W/m2K & weight not less than 3.10 kg/sqm | 79.00 | Sqm | 4106.50 | 324414.00 |
| | | | | **Total** | **2591925.00** |
| | **Modified estimated cost after using correction factor on DSR 2023 on account of GST @ 0.973.** | | | | **₹ 25,21,943.00** |
| | **Add Cost Index @4.03%** | | | | **₹ 26,23,577.00** |
| | | | | **Total** | **₹ 26,23,577.00** |
| | **Non-Scheduled Items** | | | | |
| **32** | Providing and fixing soil, waste and vent pipes : | | | | |
| **32.1** | 150 mm dia | | | | |
| **32.1.1** | Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989 | 84.00 | metre | 3890.90 | 326836.00 |
| **33** | Providing and fixing End Cap to soil, waste and vent pipes : | | | | |

Addition: NIL Overwriting: NIL Correction: NIL Deletion : NIL AE(P)

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|---|---|---|---|---|---|
| **33.1** | 150 mm dia | | | | |
| **33.1.1** | Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989 | 8.00 | each | 2368.65 | 18949.00 |
| **34** | Providing and fixing single unequal plain junction of required degre : | | | | |
| **34.1** | 150x 150x 100 mm | | | | |
| **34.1.1** | Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989 | 19.00 | each | 2303.90 | 43774.00 |
| **35** | Providing and fixing collar : | | | | |
| **35.1** | 150 mm dia | | | | |
| **35.1.1** | Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989 | 16.00 | each | 1209.65 | 19354.00 |
| | **Total** | | | | **₹ 30,32,490.00** |

**Assistant Engineer (P),**
'W' Division,
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**New Delhi- 110023**

**Executive Engineer,**
'W' Division,
CPWD, Kidwai Nagar West
**New Delhi- 110023**

Addition: NIL Overwriting: NIL Correction: NIL Deletion : NIL AE(P)