Name of work: **A/R & M/O office & residential building of IBM, Margao, Goa for the year 2026-27.**

NIT No.: **38/EE/GCD/2026-27**

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This N.I.T contains pages **1 to 80** for **Part A & B** and Pages **81 to 84** for **Part–C** for Price Bid Sheet.

This N.I.T contains pages **1 to 84** for **Part A to C**.

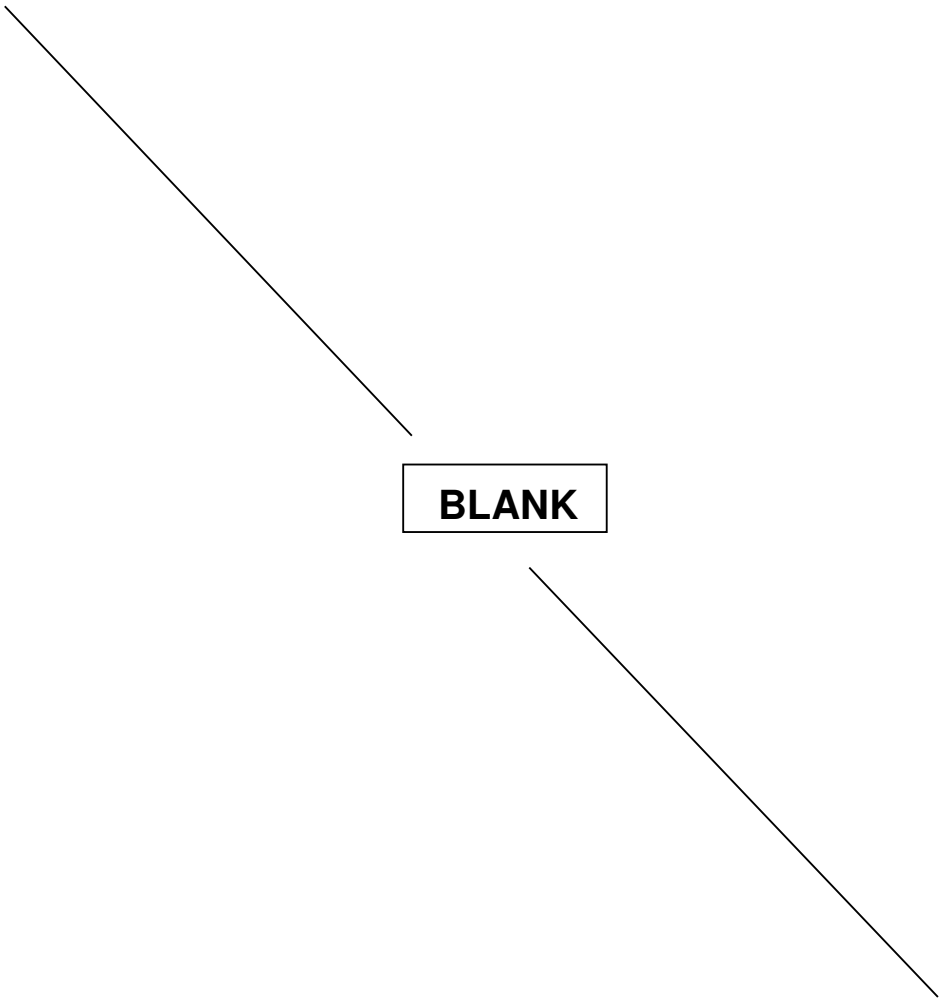
Assistant Engineer (P)
Goa Central Division, CPWD,
Goa

Executive Engineer & Senior Manager(C)-I
Goa Central Division, CPWD,
Goa

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

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PART - A

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CENTRAL PUBLIC WORKS DEPARTMENT
NOTICE INVITING e-TENDER

The Executive Engineer & Senior Manager(C)-I, Goa Central Division, CPWD, Goa on behalf of the President of India, invites online **Percentage Rate Tender** from **Class-V** and above **(as per the Enlistment Rules 2026 the Enlisted Contractor for Class-III, IV & V can tendered within their tendering limit for works in the Region of Enlisting Authority only)** approved and eligible contractors in **Civil / Composite category** of CPWD for the following work:

N.I.T. No. : **38/EE/GCD/2026-27**

Name of Work : **A/R & M/O office & residential building of IBM, Margao, Goa for the year 2026-27.**

Estimated Cost : **Rs. 7,61,350.00**

Earnest Money : **Rs. 15,227.00**

Period of completion : **04 (Four)** months.

Last date and time of submission of bid online on : **27/11/2026 upto 03:00 PM**

The bid forms and other details can be downloaded from the website https://etender.cpwd.gov.in

Executive Engineer & Senior Manager(C)-I
Goa Central Division
CPWD, Bambolim, Goa

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Omission NIL Overwriting NIL

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INFORMATION & INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING

The Executive Engineer & Senior Manager(C)-I, Goa Central Division, CPWD, Goa invites on behalf of the President of India, online **Percentage rate bids** from **Class V** and above **(as per the Enlistment Rules 2026 the Enlisted Contractor for Class-III, IV & V can tendered within their tendering limit for works in the Region of Enlisting Authority only)** approved and eligible contractors in **Civil / Composite category** of **CPWD** for the following work :-

Sl. No.	NIT No.	Name of Work & Location	Estimated Cost Put to bid	Earnest Money	Period of Completion	Last date and time of Online submission of bid, Original EMD, Scan Copy of Receipt for Deposition of Original EMD and other documents as specified in tender notice.	Time & date of opening of bid
1	**38/EE/GCD/2026-27**	**A/R & M/O office & residential building of IBM, Margao, Goa for the year 2026-27.**	**Rs. 7,61,350/-**	**Rs. 15,227/-**	**04 (Four) months**	Upto **03:00** PM On **27/11/2026**	at and after **03:30** PM On **27/11/2026**

1. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
2. Information and Instructions for bidders posted on website shall form part of bid document.
3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website https://etender.cpwd.gov.in free of cost.

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4. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.

5. The intending bidder must have valid class-III digital signature to submit the bid.

6. **The contractor can deposit original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD with in the period of bid submission. The contractor shall obtain the receipt of EMD from the concerned Executive Engineer in the prescribed format uploaded by NIT issuing Executive Engineer.**

7. The Bid Document as uploaded can be viewed and downloaded free of cost by any one including intending bidder. But the bid can only be submitted after uploading the mandatory scanned documents such as Demand draft/ Pay order or Banker's Cheque/ Bank guarantee of any Scheduled Bank towards EMD in favour of **Executive Engineer, Goa Central Division, CPWD, Goa**, **copy of receipt of original EMD** and other documents specified in the tender notice.

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

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

10. Contractor must ensure to quote his percentage rate (above/below) in the attached schedules.

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

12. **The lowest bidder shall physically submit within a week of date of opening of bid, the certified copy of all scanned and uploaded documents as specified below, in the office of tender opening authority.**

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List of Documents to be scanned and uploaded upto the last date & time of online submission of bid

i. Insurance Surety Bond/Account Payee Demand Draft/ Fixed Deposite Receipt/ Banker's Cheque or Bank Guarantee (as prescribed) issued by a Commercial Bank against EMD, EMD shall be in favour of Executive Engineer, Goa Central Division, CPWD, Goa.

ii. Copy of Receipt for Deposition of original EMD issued from division office of any Executive Engineer, CPWD.

iii. CPWD Enlistment Order of the Contractor showing validity as on date of receipt of tender.

iv. **'GST registration Certificate'**, if already obtained by the bidder. If the bidder has not obtained GST registration as applicable, then he shall scan and upload the following undertaking along with bid document.

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

v. Certificate of ERP training.

vi. Copy of registration with ESIC or proof of applying.

vii. Copy of registration with EPFO or proof of applying.

viii. Copy of Permanent Account Number (PAN) issued by the Income Tax Department.

ix. Self Certificate/Declaration (Annexure-III).

x. Declaration about site inspection (Annexure-IV)

xi. Details of current contact address, phone no. mobile no. and e-mail ID of the bidder.

(as per the Enlistment Rules 2026 the Enlisted Contractor for Class-III, IV & V can tendered within their tendering limit for works in the Region of Enlisting Authority only)

Executive Engineer & Senior Manager(C)-I,
Goa Central Division,
CPWD, Goa.

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Omission NIL	Overwriting NIL

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Receipt of Deposition of Original EMD

(Receipt No……./date……)

SN	Particular	Details
1	Name of work	**A/R & M/O office & residential building of IBM, Margao, Goa for the year 2026-27.**
2	NIT No.	**38/EE/GCD/2026-27**
3	Estimated Cost	**Rs. 7,61,350/-**
4	Amount of Earnest Money Deposit	**Rs. 15,227/-**
5	Last date of online submission of bid	27/11/2026

Details to be filled by EMD Receiving officer of CPWD (EE/AE/AAO)

SN	Particular	Details
1	Name of contractor	**#**
2	Form of EMD Received & its Details	**#**
3	Amount of Earnest Money Deposit Received	**Rs……..**
5	Date of submission of EMD	**……/…../2026**
6	Signature of EMD Receiving officer of CPWD with official Stamp	**#**
7	Name of EMD Receiving officer of CPWD	**#**
8	Designation of EMD Receiving officer of CPWD	**#**

To be filled by EMD receiving EE/AE/AAO

EE / AE / AAO

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

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CPWD-6

Government of India CPWD
Notice Inviting Tender for e-Tendering

1. Percentage rate tenders are invited on behalf of President of India from **Class V** and above **(as per the Enlistment Rules 2026 the Enlisted Contractor for Class-III, IV & V can tendered within their tendering limit for works in the Region of Enlisting Authority only)** approved and eligible contractors in **Civil / Composite category** of CPWD for the following work :-

Name of Work: A/R & M/O office & residential building of IBM, Margao, Goa for the year 2026-27.

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

1.1 The work is estimated to cost **Rs. 7,61,350/-.** This estimate, however, is given merely as a rough guide.

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

For composite bid the bidders, besides indicating the percentage above/below the combined estimated cost put to bid, should also indicate the amount in word for each component separately. The eligibility of bidder will correspond to the combined estimated cost of different components put to bid.

Note :-

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

2. The time allowed for carrying out the work will be **04 (Four) 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.

3. The site for the work is available.

4. 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

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Omission NIL	Overwriting NIL

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General Conditions of Contract Form can be seen from the web Site https://etender.cpwd.gov.in free of cost.

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

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

7. Earnest Money in the form of Insurance Surety Bond/Account Payee Demand Draft/ Fixed Deposit Receipt/ Banker's Cheque or Bank Guarantee(as prescribed) issued by a Commercial Bank **(drawn in favour of Executive Engineer, GCD, CPWD, Goa)** shall be scanned and uploaded to the e-Tendering website within the period of bid submission.

The original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD with in the period of bid submission. The EMD Receiving Executive Engineer, CPWD (including NIT issuing EE/AE) shall issue a receipt of deposition of EMD to the bidder in a prescribed format uploaded with this NIT. This receipt shall also be scanned and uploaded to the e-tendering website by the intending bidders upto the specified online bid submission date and time.

Bank details are as mentioned:-

Name	**:- Executive Engineer, GCD, CPWD, Goa.**
Bank Account No.	**:- 11144458681**
IFSC Code	**:- SBIN0003902**
Bank Name	**:- State Bank of India, Bambolim, Goa**

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

Copy of Contractor's Enlistment Order in CPWD certificate of GST Registration and other documents as specified in the NIT shall also be scanned and uploaded to the e-Tendering website before the last date of submission of online bid.

Online bid documents submitted by intending bidders shall be opened only of those bidders **whose EMD Deposited with any division office of CPWD and other documents scanned and uploaded are found in order.**

The bid submitted shall be opened at 03:30 PM on 27/11/2026

8. The bid submitted shall become invalid if:

(i) The bidder is found ineligible.

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(ii) The bidder does not deposit the original EMD with Division office of any Executive Engineer, CPWD

(iii) The bidders does not upload all the documents (including **GST** registration ~~and~~ ~~**acknowledgement of filed return for the previous quarter**~~) as stipulated in the bid document including the copy of receipt of deposition of original EMD.

(iv) 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 tenderer in the office of tender opening authority.

9. The bidder whose bid is accepted will be required to furnish performance guarantee of "(i) 5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher). (ii) 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 (i) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount" within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10000/-) or 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 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, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee.

10. The description of the work is as follows:

A/R & M/O office & residential building of IBM, Margao, Goa for the year 2026-27.

Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidders shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge

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Omission NIL	Overwriting NIL

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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.

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

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

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

14. 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 gazette 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.

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

16. The bid for the works shall remain open for acceptance for a period of **Thirty (30) days** from the date of opening of bids. If any bidder withdraw his bids before the

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said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidders shall not be allowed to participate in the re-bidding process of the work.

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

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

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

Executive Engineer

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Omission NIL	Overwriting NIL

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CPWD-7

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
Percentage Rate Tender & Contract for Works

(A) Tender/bid for the work of: -

A/R & M/O office & residential building of IBM, Margao, Goa for the year 2026-27.

(i) To be submitted/uploaded by **03:00 PM Hours on 27/11/2026** to **Executive Engineer & Senior Manager(C)-I, Goa Central Division, CPWD, Goa.**

(ii) To be opened in presence of tenderers/bidders who may be present at **03:30 PM** Hours on **27/11/2026** in the office of **Executive Engineer & Senior Manager(C)-I, Goa Central Division, CPWD, Goa.**

TENDER

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

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

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

The receipt of deposition of Earnest money of **Rs. 15,227/-** 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 (**drawn in favour of Executive Engineer, Goa Central Division, CPWD, Goa**) shall be scanned and uploaded to the e-tendering website within the period of bid submission. If I/We, fail furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India or his successors, in office shall without prejudice to

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Omission NIL	Overwriting NIL

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any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely, the said performance guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. Further, I/We agree that in case of forfeiture of Earnest Money or Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/We 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:
Witness: **Signature of Contractor**
Address: **Postal Address**
Occupation:

ACCEPTANCE

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

The letters referred to below shall form part of this contract agreement:-
(a)
(b)
(c)

For & on behalf of President of India

Signature .....

Dated: **Designation .....**

Correction NIL	Insertion NIL
Omission NIL	Overwriting NIL

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PROFORMA OF SCHEDULES

(Operative Schedules to be supplied separately to each intending tenderer)

SCHEDULE "A"

a) Schedule of quantities Civil (Enclosed) on page No. **69 to 80.**

SCHEDULE "B"

Schedule of materials to be issued to the contractor.

S.No	*Description of item*	*Qty*	*Rates in figures & words at which the material will be charged to the contractor.*	*Place of issue*
1	2	3	4	5
---------- NIL ----------				

SCHEDULE 'C'

Tools and plants to be hired to the contractor: -

S.No	*Description*	*Hire charges per day*	*Place of issue*
1	2	3	4
---------- NIL ----------			

SCHEDULE 'D'			
	Extra schedule for specific requirements/document for the work, if any : -		
	Civil	**:-**	**As given on Page No. 43 to 68.**

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

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SCHEDULE 'E'			
Reference to General			
	Conditions of contract	**:-**	**General Condition of Contract of 2023 for Maintenance CPWD form -7 modified and corrected upto date**
	Name of Work	**:-**	**A/R & M/O office & residential building of IBM, Margao, Goa for the year 2026-27.**
	Estimated cost of work	**:-**	**Rs. 7,61,350/-**
(i)	**Earnest Money**	**:-**	**Rs. 15,227/-**
(ii)	**Performance Guarantee**	**:-**	**i) 5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher).** **ii) 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 (i) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount**
(iii)	**Security Deposit**	**:-**	**2.5% of tendered value**

SCHEDULE 'F'			
GENERAL RULES & DIRECTIONS:		**:-**	**Executive Engineer & Senior Manager(C)-I, Goa Central Division, CPWD, Goa.**
	Officer inviting tender		
	Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3: See below.	**:-**	**Refer Clause 12**

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

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DEFINITIONS:			
2(v)	Engineer -in- Charge:		
	Civil :-	**:-**	**Executive Engineer & Senior Manager(C)-I, Goa Central Division, CPWD, Goa.**

2(viii)	Accepting Authority:	**:-**	**Executive Engineer & Senior Manager(C)-I, Goa Central Division, CPWD, Goa.**

2(x)	Percentage on cost of materials and Labour to cover all overheads and profits:	**:-**	**15%**

2(xi)	Standard Schedule of Rates:		
	Civil	**:-**	**Delhi Schedule of Rates- 2023 (Civil) with Upto date correction slips.**

2(xii)	Department:	**:-**	**Central Public Works Department**

9(ii)	Standard CPWD Contract Form	**:-**	**GCC-2023 for Maintenance works, CPWD Form 7 modified & Corrected up to last date of submission of online bid.**

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

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Clause 1			
(i)	Time allowed from the date of issue of letter of acceptance for submission of Performance Guarantee, **Programme Chart (Time and Progress) and copy of applicable licenses or proof of applying for obtaining Labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident fund code no., if applicable and also ensure the compliance of aforesaid provisions by sub contractors, if any engaged by the contractor for the said work**:	**:-**	**07 days**
(ii)	Maximum allowable extension with late fee @0.1% Per day of Performance Guarantee amount provided in (i) above:	**:-**	**03 days**

Clause 2	Authority for fixing compensation under Clause- 2:	**:-**	**SE cum PD, GP, CPWD, Goa**

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

Clause-5:-			
	Number of days from the date of issue of letter of acceptance for reckoning date of start	**:-**	**10 days**
	Mile Stone.	**:-**	Refer Table of Milestones
	Time allowed for execution of work	**:-**	**04 months**

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

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Authority to decide			
(i)	Extension of time for completion of work.	**:-**	**SE cum PD, GP, CPWD, Goa.**
(ii)	Re-scheduling of Mile stone	**:-**	**SE cum PD, GP, CPWD, Goa.**
(iii)	Shifting of date of start in case of delay in handing over of site.	**:-**	**SE cum PD, GP, CPWD, Goa.**

Table of Mile stone(s)

Sl. No	Physical progress/ Financial progress	Time allowed (from date of start)	Amount to be with-held in case of non achievement of milestone.
1.	**20% of the tendered amount**	**01 month**	In the event of not achieving the necessary progress as assessed, 1.25% of the tendered value of work will be with-held for failure of each milestone.
2.	**40% of the tendered amount**	**02 months**	
3.	**60% of the tendered amount**	**03 months**	
4.	**Completion of work & handing over**	**04 months**	

Time allowed for execution of work	**:-**	**04 (Four) months.**

Clause 6			
	Clause applicable – (6 or 6A)	**:-**	**Computerised Measure Book (CMB) / Electronic Measurement Book (EMB) As applicable DG/CON-Maintenance/ 2020/338 dt. 13.04.2023**

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.1,90,000/-**

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

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

Clause 8 A	**:-**	**Applicable**

Clause 10A

List of testing equipment to be provided by the contractor at Field testing laboratory:

a) Civil :-

~~**1.** Equipment for slump test – Slump cone, steel plate, tamping rod, steel scale, scoop. – 2 sets.,~~
~~**2.** Cube mould i) size 70mmx70mmx70mm – 4 Nos., ii) size 150mmx150mmx150mm – 20 Nos.,~~
~~**3.** Graduated measuring cylinders 100mm, 200mm, 500mm capacity – 3 Nos. each,~~
~~**4.** Spatula 100mm and 200mm with long blade wooden handle – 2 Nos. each,~~
~~**5.** Vernier Caliper 12" & 6" size – 2 Nos. each,~~
~~**6**. Digital PH meter least count 0.01mm – 1 No.,~~
~~**7**. Digital Micro meter least count 0.01mm – 1 No.~~
~~**8**. Digital paint thickness meter for steel 500 micron range – 1 No.,~~
~~**9**. Micrometer Screw gauge 0.10mm-10mm, least count 0.05 – 2 Nos.,~~
~~**10**. Auto level – 1 No.~~
~~**11**. Measuring cylinder 3,5,10 and 15 litre capacity – 2 Nos. each.~~
~~**12**. 100 tonnes compression testing machine,~~
~~**13**. Pruning Rods 2 kg weight length 40 cm and ramming face 25 sq.mm. – 2 Nos.,~~
~~**14**. Extra bottom plates for 15 cm cube mould – 6 Nos.,~~
~~**15**. Motor cub vibrator – 1 No.,~~
~~**16**. Iron weight of 5 kg, 2 kg, 1 kg, 500 gm, 200 gm, 100 gm – 1 No.,~~
~~**17.** Hammer 1lb & 2lb – 2 Nos. each,~~
~~**18**. Any other equipment for site tests as outlined in BIS and as directed by Engineer-in-charge – As per requirement.~~

19. Balances
    i) Upto 5kg capacity, semi-self indicating type-accuracy 10 gm.
    ii) 500 gm capacity, semi-self indicating type-accuracy 1 gm.
    iii) Electronic balance 100 kg capacity
20. Sieves : as per IS 460-1962
    i) I.S. Sieves 450mm internal dia, of size 100mm, 80mm, 63mm, 50mm, 40mm, 25mm, 20mm, 12.5mm, 10mm, 6.3mm, 1.75mm, complete with lid and pan.
    ii) I.S. Sieves 200mm internal dia (brass frame) of size 2.36mm, 1.18mm, 600 microns, 425 microns, 300 microns, 212 microns, 150 microns, 90 microns and 75 microns with lid and pan.

Correction NIL Insertion NIL
Omission NIL Overwriting NIL

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Clause 10B (i)	**:-**	**Applicable**

Clause 10 B (ii,iii & iv)	**:-**	**Not Applicable**

Clause 10 C		**:-**	**Not Applicable**
	Component of labour expressed as percent of value of work	**:-**	~~**25%**~~

Clause 10 CC	**:-**	**Not Applicable**

Clause 11			
	Specifications to be followed for execution of work		
	Civil	**:-**	**CPWD Specifications-2019 Vol. I & II with correction slips up to last date of submission of bid.**
Clause 12			
	Type of work	**:-**	**Maintenance Work**.
	Deviation limit for all maintenance work	**:-**	**No limit**

Note:

(i) Deviation upto 1.25 times of contract amount shall be approved by the Engineer-in-Charge with recorded reasons. Deviation beyond 1.25 times upto 1.50 times of contract amount shal! be approved by SE/CE (as applicable) with recorded reasons. ln exceptional case, ADG/SDG (as applicable) shall have power to approve the deviation beyond 1.50 times upto 2.0 times of contract amount with recorded reasons and take suitable corrective action.

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

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Clause 16			
	Competent Authority for deciding reduced rates	**:-**	**SE cum PD, GP, CPWD, Goa.**

Clause 18			
Civil :-	~~List of mandatory machinery, tools & plants to be deployed by the contractor at site :~~	**:-**	~~1. NeedleVibrator~~ ~~2. Double beam surface vibrator (2 Nos.)~~ ~~3. Excavator-cum-loader – 1 Nos.~~ ~~4. Dumper – 1 Nos.~~ ~~5. Steel Shuttering – 100 sqm.~~ ~~6. Steel props for 100 sqm. Space~~ ~~7. Concrete/Mortar mixer with hopper – 1 Nos.~~ ~~8. Chase cutter – **1** Nos.~~ ~~9. Water pump – 2 Nos.~~ ~~10. Concrete pump (30 cum/hr.min capacity) – 2 Nos.,~~ ~~11. Bar bending machine – at least 2 (two) Nos.~~ ~~12. Bar cutting machine – at least 2 (two) Nos.~~ ~~13. Bar straightening machine – at least 1 (one) No.~~ ~~14. The list is not exhaustive. Any other machinery/ equipment / Tools and plants as required for the proper execution of work required as per agreement / specification laid down in the agreement to be provided by the contractor at no extra cost.~~

Clause 19 - Labour laws to be complied by the contractor Competent Authority for deciding penalty	Executive Engineer & SM (C)-I, Goa Central Division, CPWD, Goa
Clause 19 C-	Rs. 1,000/- per instance
Clause 19 E-	Rs. 5,000/- per instance

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

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Clause 19 G -	Rs. 200/- per instance
Clause 19 H,K,I,J -	Rs. 1,000/- per instance

Clause 25		
(i) Conciliator	:	SDG Mumbai, CPWD Mumbai or successor thereof
(ii) Arbitrator Appointing Authority	:	SE cum PD CPWD Goa or successor thereof
(iii) Place of Arbitration	:	Panjim, Goa

Clause 30A/30	**:-**	The contractor shall make his own arrangement of water as per clause-30 ~~OR~~ ~~Water shall be supplied by the department as per clause 31A~~*

Clause 31	**:-**	**Applicable**

~~CLAUSE 32~~

~~Requirement of Technical Representative (s) and Recovery Rate~~

	~~Requirement of Technical Staff~~		~~*Minimum experience (Years)*~~	~~*Designation of Technical Staff*~~	~~*Rate of which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 36(i)*~~	
S. No	*Qualification*	~~Number (of Major + Minor component)~~			~~Figures~~	~~Words~~
1.	Graduate Engineer or Diploma holder	~~1 Of Major component~~	~~2~~ ~~or~~ ~~5~~	~~Project Manager cum planning/ quality/Site/billing Engineer~~	~~Rs. 15000/- Per month Per person for Graduate and Diploma holder respectively~~	~~Rs. Fifteen thousand Per month Per person for Graduate and Diploma holder respectively~~

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

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

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

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CLAUSE 38

i) (a)	Schedule / statement for determining theoretical quantity of cement & bitumen	On the basis of **Delhi schedule of Rates 2023 (Civil) with Upto date correction slips**.
ii)	Variations permissible on theoretical quantities	
a)	Cement for works with estimated cost put to tender upto than Rs. 25 lakhs.	3% plus/minus.
b)	Cement for works with estimated cost put to tender above than Rs. 25 lakhs.	2% plus/minus.
c)	Bitumen for all works.	2.5% plus only & Nil on minus side.
d)	Steel reinforcement and structural steel sections for each diameter section and category.	2% plus/minus.
e)	All other materials.	Nil.

RECOVERY RATES FOR QUANTITES BEYOND PERMISSIBLE VARIATION.

Sl. No.	*Description of Item*	*Rates in figures and words at which recovery shall be made from the Contractor.*	
		Excess beyond Permissible Variation.	*Less use beyond the permissible variation.*
1.	Cement OPC (43 Grade)	Not applicable	5900/-
2.	Steel Reinforcement	Not applicable	----------

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

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FORM OF EARNEST MONEY (BANK GUARANTEE)

WHEREAS, contractor..... (Name of contractor) (hereinafter called "the contractor") has submitted his tender dated ..... (date) for the construction of ..... (name of work) (hereinafter called "the Tender")

KNOW ALL PEOPLE by these presents that we ..... (name of bank) having our registered office at ..... (hereinafter called "the Bank") are bound unto ..... (Name and division of Executive Engineer) (hereinafter called "the Engineer-in-Charge") in the sum of Rs. ..... (Rs. in words .....) for which payment well and truly to be made to the said Engineer-in-Charge the Bank binds itself, his successors and assigns by these presents. SEALED with the Common Seal of the said Bank this ..... day of ..... 20... .

THE CONDITIONS of this obligation are:

(1) If after tender opening the Contractor withdraws, his tender during the period of validity of tender (including extended validity of tender) specified in the Form of Tender;

(2) If the contractor having been notified of the acceptance of his tender by the Engineer-in-Charge:
   (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to contractor, if required; OR
   (b) fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of tender document and Instructions to contractor, OR

We undertake to pay to the Engineer-in-Charge either up to the above amount or part thereof upon receipt of his first written demand, without the Engineer-in-Charge having to substantiates his demand, provided that in his demand the Engineer-in-Charge will note that the amount claimed by his is due to him owing to the occurrence of one or any of the above conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date* .....
after the deadline for submission of tender as such deadline is stated in the Instructions to contractor or as it may be extended by the Engineer-in-Charge, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE .....
WITNESS .....

SIGNATURE OF THE BANK
SEAL
(SIGNATURE, NAME AND ADDRESS)

*Date to be worked out on the basis of validity period of 6 months from last date of receipt of tender.

Correction NIL	Insertion NIL
Omission NIL	Overwriting NIL

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GENERAL CONDITIONS

1.0 SPECIFICATIONS FOR CONSTRUCTION:

1.1 Several documents forming the tender are to be taken as mutually complementary to one another.

1.2 Except for the items, for which particular specifications are given or where it is specifically mentioned otherwise in the description of the items, the work shall generally be carried out in accordance with.

Civil work:

1. CPWD Specifications 2019 Volume- I
2. CPWD Specifications 2019 Volume- II

All above specifications shall be applicable with corrections slips up to the last date of submission/ uploading of bid.

(Hereinafter to be referred to as CPWD specifications).

1.3 Wherever CPWD Specifications are silent, the latest IS Codes/Specifications, National Building Code 2016, MoRTH specification or any other specification shall be followed.

1.5 "In the event of any variation/ discrepancy in the drawings, specifications and tender documents etc. the decision of the Engineer-in-charge shall be final binding and conclusive on the contractor and in the case the contractor have any doubt and the same should be got clarified immediately from the Engineer-in-charge and no claim of the contractor shall be entertained thereafter. Moreover, the agency is not allowed to take benefit out of any clerical/ grammatical mistake in the standard clauses/Schedule of Quantities/Specifications etc. being used in the agreement".

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

1.7 Samples including brand / quality of materials and fittings to be used in the work 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. Nothing Extra shall be paid on this account.

1.8 Unless otherwise specified in the schedule of quantities, the rates tendered by the contractor shall be inclusive of all cost & taxes and shall apply to all leads and lifts and nothing extra shall be payable on this account.

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

Correction NIL	Insertion NIL
Omission NIL	Overwriting NIL

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2.0 Quality Assurance

2.1 The contractor shall ensure quality control measures on different aspects of construction including materials, workmanship and correct construction methodologies to be adopted.

2.2 The contractor shall get the source of various raw materials namely aggregate, cement, sand, steel, water etc. to be used on the work, approved from the Engineer-in-Charge or his authorized representative 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.

2.3 Similarly, the contractor shall submit brand/make of various materials to be used for the approval of the Engineer-in-Charge along with samples and once approved, he shall stick to it. Any change will have to be got approved from engineer in charge in advance.

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Omission NIL	Overwriting NIL

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Additional Conditions

1.0 Acquaintance with site and Architectural drawings.

1.1 The intending tenderers are requested to go through architectural drawings. These drawings are available in the **O/O Executive Engineer & Senior Manager(C)-I, Goa Central Division, CPWD, Bambolim, Goa.** The architectural drawings show the type of building to be constructed, number of storeys and other architectural features. No claim whatsoever shall be entertained for the same and also for lack of information on this account, which the tenderer is expected to have.

1.2 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, suitable location for construction of godown, store, camp, transport facilities the extent of leads and lifts.

2.0 Specifications :-

2.1 Unless otherwise specified, CPWD Specifications as mentioned in clause 11 under schedule 'F' with upto date correction slips till the date of receipt of tender shall be followed in general. Any additional item of work if taken up subsequently shall also conform to the relevant CPWD specifications mentioned above.

2.2 Wherever any reference to any Bureau of Indian Standard Specifications occurs in the documents relating to this contract, the same shall be inclusive of all amendments issued there to or revisions thereof, if any, up to the date of receipt of tenders.

2.3 Work shall be carried out in professional manner with finished product serving the intended purpose with specified strength, durability and aesthetics.

2.4 The contractor shall prepare all the needed shop drawings well in advance and get them approved before placing the order and execution of the item.

3.0 The contractor shall submit monthly progress report of the work in a computerized form. Progress report should contain uptodate progress of work and activity planning for next month.

4.0. INTERPRETING SPECIFICATIONS

In interpreting the specifications, the following order of decreasing importance shall be followed in case of contradictions:

a. Nomenclature of items given in the schedule of quantities in the tender.

b. Particular, Additional, special conditions and Specifications mentioned in Tender document.

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c. Contract & Clauses as per Standard CPWD GCC form 2023 for Construction.

d. C.P.W.D. Specifications as mentioned in clause 11 under schedule 'F' and MORT&H Specifications with upto-date correction slips.

e. Relevant I.S. Codes or specification.

f. Sound engineering practices

g. Directions of Engineer-in-charge shall be applicable where none of the above is to be applied.

5.0 Rates

5.1 Tendered rates shall be inclusive of all taxes and levies payable under the respective statutes (Except Service Tax).

5.2 The rates for all items of work, shall unless clearly specified otherwise, include cost of all labour, materials and other inputs involved in the execution of the item.

5.3 Unless otherwise provided in the Schedule of quantities the rate tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths to the building and nothings extra shall be payable to him on this account.

5.4 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 of water, if required for which no extra payment will be made. This will include water encountered from any source such as rains, floods, sub soil water table being high and /or due to any other cause whatsoever.

5.5. The tenderer shall abide by the rules and regulations of respective **GST** etc. Necessary deductions on account of taxes shall be made on the gross value of the work done from the bills of the contractor as per the provisions of above stated Acts. Necessary certificates, if required, for tax deduction at source shall be issued to the contractor by the Engineer in Charge. However acceptability of the certificate by the concerned authority shall not be responsibility of Engineer-in-charge. The decision of the Engineer in Charge regarding quantum of tax to be deducted at source shall be final and binding on the contractor.

5.6 The contractor shall comply with proper and legal orders and directions of the local or public authority of municipality and abide by the rules and regulations and pay all fees and charges which he may be liable. Quoted rates shall be considered inclusive of all such fees and charges.

6.0 Material :

6.1 All the materials to be used on works shall bear BIS certification mark unless otherwise the make is specified in the item or special conditions appended with this tender document. In case BIS mark materials or the materials mentioned in the tender documents are not available, as per opinion of Engineer-in-Charge, which shall be final, the material to be used shall conform to CPWD specifications applicable in

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the tender or BIS Code. In such case Engineer-in-Charge shall satisfy himself about the quality of such material and give his approval in writing. Only articles classified as first quality by the manufacturers shall be used unless otherwise specified. All material not having ISI mark shall be tested as per relevant BIS specification. The Engineer-in-Charge may relax the condition regarding testing of the quantity of the materials required for the work if small. In all cases of use of ISI marked materials proper proof of procurement of materials from authentic manufacturers shall be provided by the contractor to the entire satisfaction of Engineer-in-Charge.

6.2 Being composite work, material for all E&M works shall be brought at site in accordance with progress of civil work after due approval of Engineer-In-Charge. For any material brought prematurely at site without approval of Engineer-In-Charge, no advance payment shall be made for such material and Department shall not be responsible for its damage / deterioration. The makes of material have been indicated in the list of approved makes. The Engineer-in-charge shall reserve the right to instruct the contractor to remove the material which, in his opinion, is not as per specifications.

6.3 The contractor shall procure all the materials in advance so that there is sufficient time for testing and approving of the material and clearance of the same before use in work. The testing of the materials shall be performed at any laboratory approved by the Engineer-in-Charge.

6.4 The contractor shall bring sample of materials for approval of the Engineer-in-charge. Sample of approved materials must be kept at site for inspection/comparison with materials to be used in work. All materials shall be delivered with manufactures test certificates and technical catalogues, instructions manuals, wiring diagram etc. as required.

6.5 Samples of various materials required for testing shall be provided free of charge by the contractor. Testing charges shall be borne by the Contractor. All other expenditure required to be incurred for taking the samples, conveyance, packing etc. shall be borne by the contractor himself. In case the sample does not satisfy the provision specified, the cost of testing of subsequent samples also be borne by the contractor.

6.6 The quantities of various material/items may vary from the quantities given in schedule of work. The agency shall bring the various items & materials as per actual requirement at site at the time of execution of work. Excess quantities shall not be accepted & paid by the department.

6.7 The agency has to make his own arrangement for storage and custody of materials. No separate storage accommodation shall be provided by the department. Watch and ward of the stores and their safe custody shall be the responsibility of the contractor.

6.8 The contractor shall, at his risk and cost, make all arrangements and shall provide all facilities as the Engineer-in-Charge may require for collecting, and preparing the required number of samples for such tests at such time and to such place or places as

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Omission NIL	Overwriting NIL

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may be directed by the Engineer - in –Charge and bear all charges and cost of testing unless specifically provided for otherwise elsewhere in the contract or specifications.

7.0 Inspection at Manufacturer's site:

7.1 For items/equipment requiring initial inspection at manufacturer's works' the contractor will intimate the date of testing of equipments/material at the manufacturer's works before dispatch. The department also reserves the right to inspect the fabrication job at factory and the successful tenderer has to make the arrangement for the same. The successful tenderer shall give sufficient advance notice regarding the dates proposed for such tests/inspection to the department's representative(s) to facilitate his presence during testing/fabrication. The Engineer-in-charge at his discretion may waive off such testing/fabrication. The cost of the Engineer's first visit to the factory will be borne by the Department. If subsequent visits are required on account of failure on the part of Contractor, the same shall be charged to him.

8.0 Electric Connection & Supply

8.1 The contractor shall make his own arrangements for obtaining electric connections, if required and make necessary payments directly to the department concerned.

8.2 The contractor shall leave such necessary holes, opening etc. for laying/burrying in the work, pipes, cables, conduits, clamps, boxes and hooks for fan clamps etc. as may be required for electric, sanitary, air conditioning, fire fitting, P.A. system, telephone system, C.C.T.V., system etc. and nothing shall be paid for the same. The contractor shall leave such recesses, holes, openings, etc., as may be required for the electric and other related works. (For this purpose any required inserts, sleeves, brackets, conduits, base plates, clamps etc. shall be arranged by the contractor and fix the same at the time of casting of concrete, stone work & brick work, if required, and nothing extra shall be payable on this account). Any Damage done to the building during the execution shall be made good immediately at his own cost to the entire satisfaction of the Engineer-in-Charge.

8.3 The chasing, cutting and making holes in the masonry and / or cement concrete and / or RCC works shall be done carefully without causing any damage to the structure. As far as possible, mechanical cutters & core cutting machines shall be used in a workman like manner, for concealing the pipelines and fittings. The chases / holes, so made, shall be made good with the cement mortar of mix 1: 3 (1cement: 3 fine sand) after testing of the pipe lines for leakage. The cost of cutting cores in RCC, cutting holes in masonry & making good the same shall be inclusive in the respective item of drainage/water supply lines.

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Omission NIL	Overwriting NIL

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9.0 Co-operation & Co-ordination with other agencies:

9.1 The contractor for this work shall plan his work in such a manner so that the work (S) of other contractor (S) is /are not affected in any way. The work should be planned in a systematic manner so as to ensure proper co-ordination of various disciplines viz. sanitary & water supply, drainage, rain water harvesting, electrical, fire fighting, information technology, communication & electronics and any other services.

9.2 Conduits for electrical wiring/cables will be laid in such a way that they leave enough space for Concreting and do not adversely affect the structural members. Nothing extra over the agreement rate shall be paid for the same.

9.3 The successful tenderer shall co-ordinate with other contractors and agencies engaged in the construction of building, if any, and exchange freely all technical information so as to make the execution of this works contract smooth. No remuneration should be claimed from the department for such technical cooperation. If any unreasonable hindrance is caused to other agencies and any completed portion of the work has to be dismantled and re-done for want of cooperation and coordination by the successful tenderer during the course of work, such expenditure incurred will be recovered from the successful tenderer if the restoration work to the original condition or specification of the dismantled portion of the work was not undertaken by the successful tenderer himself.

9.4 Other agencies will also be executing simultaneously the works like other buildings, electrical cable laying, street lighting and horticulture works etc. for the same project along with this particular work. The contractor shall extend necessary facilities for the same and cooperate with such contractors. No claim in the matter shall be entertained.

9.5 The Contractor shall take all necessary precautions to prevent any nuisance or inconvenience to the owners, tenants or occupants of the adjacent properties and to the public in general. The Contractor shall take all care, as not to damage any other adjacent property or other services running adjacent to the plot. If any damage is done, the same shall be made good by the Contractor at his own cost and to the entire satisfaction of the Engineer-in-Charge. The Contractor shall use such methodology and equipments for execution of the work, so as to cause minimum environmental pollution of any kind during construction. Further, the Contractor shall take all precautions to abide by the environmental related restrictions imposed by Maharashtra Pollution Control Board, Govt. of Maharashtra.

9.6 Utmost care shall be taken to keep the noise level to the barest minimum so that no disturbance as far as possible is caused to the occupants / users of adjoining buildings. No claim what so ever on account of site constraints mentioned above or any other site constraints, inadequate availability of skilled, semi-skilled or unskilled

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Omission NIL	Overwriting NIL

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workers in the near vicinity, non-availability of construction machinery spare parts and any other constraints not specifically stated here, shall be entertained from the Contractor.

9.7 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 contractors or he shall arrange his work with that of the others in an acceptable and in a proper co-ordinated manner and shall perform it in proper sequence to the complete satisfaction of others.

10.0 Safety Measures :-

10.1 The contractor shall also provide necessary barricade, informatory boards, lights and flagmen at either end of the execution area and at such intermediate points as required as per local body norms and at no extra cost.

10.2 The contractor shall maintain in good condition all work executed till the completion of the entire work entrusted to the contractor under this contract & nothing extra shall be paid on this account.

10.3 For form work use of solid timber and products involving solid timber shall not be permitted.

10.4 Any damage to work resulting from rains or from any other cause until the work is taken over by Department after completion of work shall be made good by the contractor at his own cost.

10.5 Any damage made by men, machinery, vehicles (LMVs or HMVs), or any way to the public/private property such as services of electricity, water, telephone, LAN, road and path during execution of the work shall be repaired/redone by the Agency/Contractor. If contractor fails to repair/redone damage, the work shall be done on his risk as per the direction of the Engineer in charge. No any cost claim shall be entertained on this account.

10.6 All safety equipment such as Safety Helmets, Safety shoes, gloves, Safety belt etc. shall be made available to site Engineers, Supervisors, labourers, masons fitters etc.

11.0 Handling of Material/Waste :-

11.1 Unserviceable materials shall have to be removed and disposed off to places as decided by the Engineer-in-charge. Scarified rubbish of brick aggregates of WBM etc. shall be spread on the shoulders / on the slope of embankments and suitably compacted for which nothing extra shall be paid.

11.2 The contractor shall take instructions from the Engineer-in-charge for stacking of materials in any place. No excavated earth or building material shall be stacked on areas where other buildings, roads services of compound walls are to be constructed.

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Omission NIL	Overwriting NIL

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11.3 The contractor & his work people shall observe all relevant rules regarding security promulgated in which work is to be carried out by the controlling authority of the area.

11.4 For water supply, in case the contractor is required to make his own arrangement then including boring of tube well, if necessary, and nothing extra shall be paid by the Department for arrangement of water or on its treatment as per requirements laid down in IS: 456 / 2000 Para 5.4 or CPWD Specification 2009 Volume-I to II with upto date correction slips.

11.5 In case of any calamity or injury to any labour/ workmen etc. or loss / wastage of materials due to nature or insurgency, contractor shall have to bear the cost of compensation and no claim to this effect shall be entertained by the department.

11.6 The contractor shall keep himself ready for execution of any item / items of work / part of the item of work on emergent notice given by the Engineer-in-charge on day to day basis during rainy season. Payment of items executed shall be as per terms of contract stipulated elsewhere in this document.

11.7 The contractor shall provide at his own cost suitable weighing and measuring equipments /instruments as may be necessary at site for checking purposes. All such equipments /instruments shall be got tested for calibration in advance from laboratory approved by the Engineer-in- Charge.

11.8 The work on item of internal finishing must be started as soon as the structure is completed.

11.9 The fittings used for items of water supply & sanitary works shall be of same make for all items from amongst the makes mentioned in the items.

11.10 The contractor shall be responsible for the protection of sanitary and water supply fittings and fixtures against pilferage and breakage during the period of installation and thereafter until the building is handed over.

11.11 The contractor may have to give a performance test of the entire installation (S) as per standing specifications before the work is finally accepted.

11.12 Some restrictions may be imposed by the security staff etc. on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restriction / instructions including issue of identity cards to all persons authorized by him to do work / visit the work site and nothing shall be payable on this account.

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

Correction NIL	Insertion NIL
Omission NIL	Overwriting NIL

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12.0 CLEANLINESS OF SITE

12.1 The Contractor shall not stack building material /malba /muck/ rubbish 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.

12.2 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.

13.0 LABOUR AND SECURITY

13.1 In the event of the contractor(s) committing a default or breach of any of the provisions of the Central Public Works Department, Contractor's Labour Regulations and Model Rules for the protection of health and sanitary arrangements for the workers as amended from time to time or furnishing any information or submitting or filing any statement under the provisions of the above Regulations and Rules which is materially incorrect, he/they shall, without prejudice to any other liability, pay to the Government a sum not exceeding Rs. 200/- for every default, breach or furnishing, making, submitting, filing such materially incorrect statements and in the event of the contractor(s) defaulting continuously in this respect, the penalty may be enhanced to Rs. 200/- per day for each day of default subject to a maximum of 5 percent of the estimated cost of the work put to tender. The decision of the Engineer-in-Charge shall be final and binding on the parties.

13.2 The Contractor shall display all permissions, licenses, registration certificates, bar charts, other statements etc under various labour laws and other regulations applicable to the works, at his site office.

13.3 Contractor should make own arrangement for labour huts away from the site .The contractor will not be provided space for labour huts etc. inside the campus. No payment shall be made for construction of labour housing.

13.4 The huts for labour are not to be erected at the site of work by the contractors, the contractors are required to provide such accommodation as is acceptable to local bodies and nothing extra shall be paid on this account.

Correction NIL	Insertion NIL
Omission NIL	Overwriting NIL

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13.5 Contractor has to follow the security requirement of the campus and obtain necessary entry passes for the labour and vehicles and follow security checks at entry/exit gates, restriction on movement of vehicle, restricted timings of working etc. The Department however shall assist the contractor in obtaining such passes for movement of vehicles and labour. No claim whatsoever shall be entertained on account of delay in entry of vehicles and labour including restrictions in working hours, if there is any.

13.6 The contractor shall employ only Indian Nationals after verifying their antecedents and loyalty. The contractor shall, on demand submit list of his agents, employees and work people concerned & shall satisfy as to the bonafides of such people.

13.7 The contractor & his work people shall observe all relevant rules regarding security promulgated in which work is to be carries out by the Controlling Administrative Authority of the campus/area (hereinafter referred to as "Administrator").

13.8 The contractor, his representative, workman shall be allowed to enter through specified gates & timing as laid down by the controlling authority. They shall be issued an identity card or an individual pass in accordance with the standing rules & regulations & they should possess the same while working. The Contractor shall be responsible for the conduct & actions of his workmen, agents/representatives.

13.9 Normally contractor shall be allowed to carry out work between 7 AM to 6 PM. However, he may also be allowed to carry out the work beyond 6 PM & up to 7AM if the site conditions/circumstances so demand with prior written permission from the "Administrator". However, if the work is carried out in more than one shift or at night, no claim on this account shall be entertained.

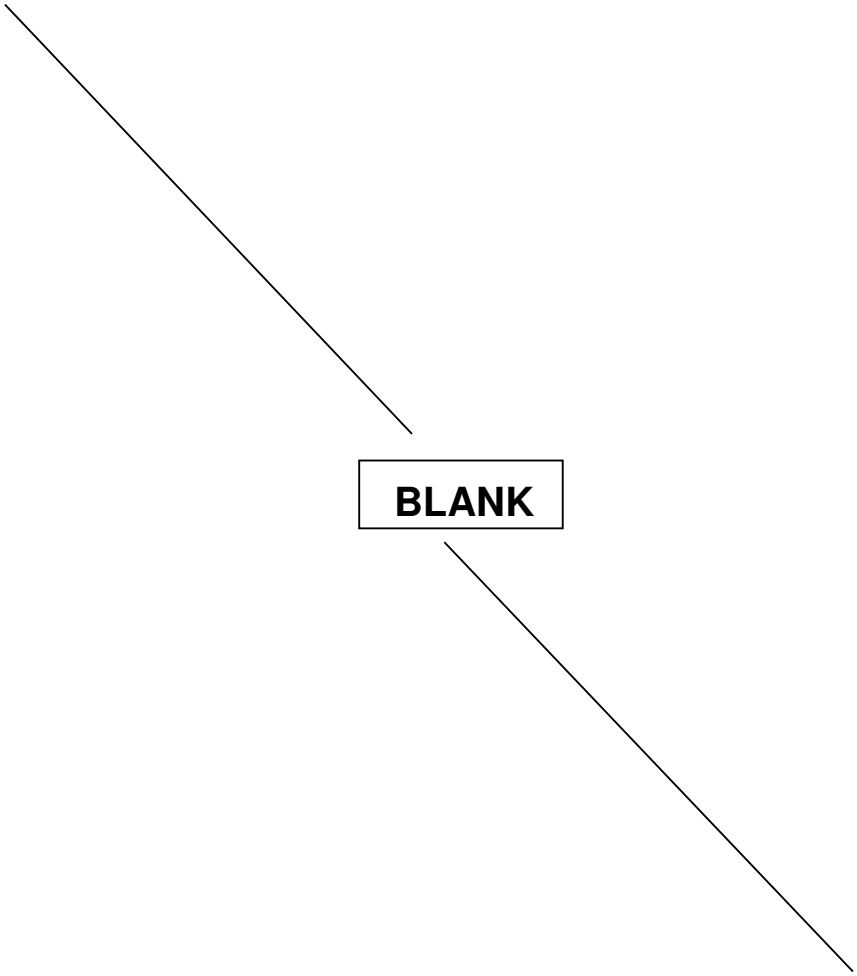
13.10 Normally contractor's material /vehicles etc. shall be allowed to move in /go-out between 7 AM to 7 PM only & no movement of material /vehicles out of site of work shall be allowed during night hours unless specific permission is obtained from the "Administrator".

13.11 In case if a separate entry has been allowed, the contractor has to make all arrangement for making a separate entry gate and barricading of the working area to segregate/separate the same from other area. All these have to be done by the contractor at his own cost including safeguarding any untoward incident in the restricted are due to separate entry gate and barricading arranged by the contractor. No extra amount on this account shall be payable by the department.

13.12 In the event of any restrictions being imposed by the Security agency, CPWD, Traffic or any other 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. Nothing extra shall be payable on this account.

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PART – B

CIVIL COMPONENT

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SPECIAL CONDITIONS

CONDITIONS FOR ARRANGING CEMENT / STEEL BY CONTRACTOR

1.0 CONDITIONS FOR CEMENT

1.1 The contractor shall procure **Ordinary Portland Cement conforming to IS:8112 as required in the work**. Cement shall be from reputed manufacturers of cement, such as A.C.C., Ultra tech, Vikram, Shree Cement, Ambuja, Jaypee Cement, Century Cement and J.K. Cement or from any other reputed cement Manufacturer having a production capacity not less than one million tonnes per annum as approved by ADG for that sub region.

The tenderer may also submit a list of names of cement manufacturers which they propose to use in the work. The tender accepting authority reserves right to accept or reject name (S) of cement manufacturers (S) which the tenderer proposes to use in the work. No change in the tendered rates will be accepted if the tender accepting authority does not accept the list of cement manufacturers, given by the tenderer, fully or partially.

The supply of cement shall be taken in 50 kg bags bearing manufacturer's name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer-in-Charge and got tested in accordance with provisions of relevant BIS codes. In case test results indicate that the cement arranged by the contractor does not conform to the relevant BIS codes, the same shall stand rejected and it shall be removed from the site by the Contractor at his own cost within a week's time of written order from the Engineer-in-charge to do so.

1.2 The cement shall be brought at site in supply as per requirements of work.

The cement godown of the capacity to store a minimum of 200 bags of cement shall be constructed by the contractor at site of work for which no extra payment shall be made.

1.3 Double lock provision shall be made to the door of the cement go-down. The keys of one lock shall remain with the Engineer-in-Charge or his authorized representative and the keys of the other lock shall remain with the contractor. The Contractor shall be responsible for the watch and ward and safety of the cement go-down. The Contractor shall facilitate the inspection of the cement go-down by the Engineer-in-Charge at any time.

1.4 The cement shall be got tested by the Engineer-in-charge and shall be used on the work only after satisfactory test results have been received. The contractor shall supply free of charge the cement required for testing including its transportation cost to testing laboratories. The cost of tests shall be borne by the Contractor:

Correction NIL	Insertion NIL
Omission NIL	Overwriting NIL

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1.5 The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in clause 10 of contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein. In case the cement consumption is less than theoretical consumption including permissible variation, recovery at the rate so prescribed shall be made. In case of excess consumption no adjustment need to made.

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

1.7 The damaged cement shall be removed from the site immediately by the contractor on receipt of a notice in writing from the Engineer-in-charge. If he does not do so within 10 days of receipt of such notice, the Engineer-in-charge shall get it removed at the cost of the contractor.

2.0 SPECIAL CONDITIONS FOR STEEL

27.2 Special conditions for steel reinforcement bars
The CPWD/Contractor shall procure IS marked TMT bars of various grades from
1) The steel manufacturers such as SAIL, TATA steel Ltd., RINI, Jindal Steel & Power Ltd, and JSW steel or their authorized dealers having valid BIS license for IS:1786-2008(Amendment -1 November 2012)

(2) (a) The steel manufacturers or their authorized dealers (as per following selection criteria) having valid BIS license for IS:1786-2008(Amendment -1 November 2012).
The procured steel should have following qualities.-
i. Excellent ductility, bend ability and elongation of finished product due to possible refining technology.
ii. Consumption of steel should be accurate as per design.
iii. Steel should have no brittleness problem in finished product.
iv. Steel should carry the quality of corrosion and earthquake resistance.
v. Quality steel with achievement of proper level of sulphur and phosphorus as per IS:1786-2008.

3.0 MATERIALS OBTAINED FROM DISMANTLEMENT

3.1 The contractors in course of their work, should understand that all materials (e.g. stone and other materials) obtained in the work of dismantling, excavation etc. will be considered Government's property and may be issued to the contractor if required for use in this work or be credited to the contractor at agreement rates or at rates approved by the S.E. incase rate is not mentioned in agreement BOQ.

Correction NIL	Insertion NIL
Omission NIL	Overwriting NIL

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4.0 MATERIAL BROUGHT BY THE CONTRACTOR

4.1 The contractors shall have to deposit, the approved paints of required colour and shade as per actual requirement of the work to be done, with the Engineer-in-Charge at his departmental stores at the site of work.

4.1.1 The paint will be issued to the contractor from time to time according to his requirements for the work in the same manner as the issue of materials stipulated to be issued departmentally.

Similar procedure shall be followed for water proofing compound.

4.2 The day-to-day receipt and issue quantity account of water proofing compound, paints etc. shall be maintained by the Junior Engineer and signed daily by the contractor or his authorised agent.

5.0 TESTING OF MATERIALS

5.1 With a view to avoid controversy about quality of cement concrete as revealed in the test results of 7 days cubes falling short of the prescribed standards by over 10% to 20% and pending testing of balance 3 cubes for 28 days as final confirmatory acceptance test, crushed samples of cement concrete from the failed 7 days cubes should be preserved in a sealed bag.

5.1.1 In case of concrete and reinforced concrete work, the contractor shall be required to make arrangement for carrying out compressive strength tests at his own cost. He shall render all assistance for the preparation of cubes, safe custody of the same, proper curing and carriage up to the laboratory where the test is to be performed, the cube tests can be performed at any laboratory approved by the Engineer-in-Charge.

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

Correction NIL	Insertion NIL
Omission NIL	Overwriting NIL

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CONDITIONS FOR RCC WORKS MIX DESIGN CONCRETE/READY MIX CEMENT

1.0 Following parameters as per IS: 456-2000 shall be adopted for mix design in Severe Exposure.

1.1	Nominal Maximum size of aggregate	20 mm angular as per C.P.W.D. specification
1.2	Degree of quality control	Good
1.3	Type of Exposure	Severe
1.4	Maximum water cement ratio	0.45
1.5	Minimum Cement content	a) 330 kg/cum of concrete for M-25 Grade b) 340 kg/cum of concrete for M-30 Grade
1.6	Mineral additives	GGBS (AS approved in mix design)
1.7	Type of cement used.	OPC 43 grade conforming to IS:8112
1.8	Sand	Coarse sand as per C.P.W.D. specifications.
1.9	Chemical Admixure	As per IS : 9103

2.0 For concrete mix design, laboratory tests will be carried out by the contractor through approved laboratories/institutions approved by the Engineer-in-charge. For this purpose the various ingredients for mix design shall be sent to the lab/test houses or Institutions and the samples of such ingredients sent shall be preserved at site. The trial mix shall be prepared with approved aggregates, cement and water. The concrete batching plant to be employed in the work shall be used for preparing the trial mix to simulate actual field conditions.

3.0 In respect of projected balconies, projected slabs at roof level and projected verandah, the payment for the R.C.C. work shall be made under the item of R.C.C. slabs. The payment for centering and shuttering of such items shall similarly be paid under the item of centering and shuttering of R.C.C. slab. Nothing extra shall be paid for the side shuttering at the edges of these projected balconies and projected verandahs. All the exposed edge shall, however, be finished as per specifications and nothing extra shall be paid for this.

4.0 The rate quoted by the agency shall be net and nothing extra shall be payable on account of change of quantities of concrete ingradients like coarse sand aggregates and admixtures etc. as per the approved mix design.

5.0 The Contractor shall engage RMC producing plants as per the list given in the agreement and the contractor shall draw M.O.U. with approved R.M.C. Plant owner and submit to Engineer-in-charge within a week of such approval. The contractor will not be allowed to purchase ready mix concrete without completion of above stated formalities for use in this project.

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Omission NIL Overwriting NIL

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PARTICULAR SPECIFICATIONS

1.0 Material

1.1 All stone aggregate and stone ballast shall be of hard stone variety to be obtained from approved quarries at Usgaon, dodamarg, panchwadi or any other source to be got approved by the Engineer-in-charge.

1.2 Sand should be obtained from Goa govt. approved mines or any other source to be got approved by the Engineer-in-charge and screened as required. The same shall be clean and sharp angular grit type. If the sand brought to site is dirty it must be washed in clean water. In case, river sand is banned or not available locally, use of alternative to river sand i.e. M-Sand as per CPWD specifications shall be permitted by Engineer-in-charge.

1.3 Cast iron pipe and fittings without ear shall be used. However, pipes and fitting with ears may be accepted without any extra payment. In such cases, clamps are not required for and no extra payment will be made for fixing the pipes.

2.0 EMBEDDING OF PIPES, CONDUITS ETC.

2.1 The brick work for the portions of the external wall of W.C. through which pipes are taken, will be done after the pipes are fixed as far as practicable.

2.2. All crossings, embedments etc. in walls and floors for water supply, drainage and sanitary pipes, fittings etc. shall be provided as per previously prepared detailed drawings for individual walls and floors so as to avoid cuttings of brick work and floors. All such areas shall be made good during finishing and nothing extra shall be paid for this.

3 EARTH WORK:-

3.1 The work shall be done in accordance with CPWD Specifications - 2019- Vol.I & Vol. II and National Building Code 2016 with upto date correction slips.

3.2 Excavation shall be undertaken to the width of the Basement / Retaining wall footing including necessary margins for construction operation as per drawing or directed otherwise. Where the nature of soil or the depth of the trench and season of the year, do not permit vertical sides, the contractor at his own expense shall put up the necessary shoring, strutting and planking or cut slopes with or without steps, to a safer angle or both with due regard to the safety of personnel and works and to the satisfaction of the Engineer – in - charge, Measurement of plan area of excavation for payment shall be

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permitted only. Nothing extra shall be paid for making steps and slopes etc. as required.

3.3 The contractor shall make at his own cost all necessary arrangements for maintaining water level, in the area where works are under execution low enough so as not to cause any harm to the works or problems in carrying out with the execution.

4.0 SPECIFICATIONS FOR MOORUM

4.1 The contractor has to bring moorum required for filling in the road work, from sources, approved by the Engineer-in-Charge. The filling material shall be moorum obtained from pits of weather disintigrated rocks free from organic matters and should preferably contain siliceous material and natural mixture of clay of calcareous origin. The size of moorum shall not be more than 20mm.

4.2 The moorum brought to site shall be directly used for filling and no claim for double handling shall be entertained. Filling shall be done in regular horizontal layers, each not exceeding 20cm, in depth. The moorum shall be free from all roots, grass and rubbish and all lumps and clods, if any, shall be broken. Each layer shall be consolidated by breaking clods, watering and ramming with steel rammers. The top surface of finally finished area shall be dressed.

4.3 Before filling is started the contractor shall remove rank vegetation, grass, brushwood, shrubs and building rubbish etc. from the area and nothing extra shall be paid for on this account.

5. CONCRETE WORK:-

The work shall be done in accordance with CPWD Specifications - 2019- Vol.I & Vol. II with upto date correction slips.

6.0 SHUTTERING / Form Work:-

6.1 The work shall be done in accordance with CPWD Specifications - 2019- Vol.I & Vol. II with up to date correction slips.

6.2 Film coated marine plywood shuttering/ Steel shuttering as approved by the Engineer-in-Charge shall be used by the contractor. Minimum size of shuttering plates shall be 600mm x 900mm except for the case when closing pieces required to complete the shuttering panels. Dented, broken, cracked, twisted or rusted shuttering plates shall not be allowed to be used on the work. And nothing extra should be paid for using superior shuttering/ Form Work.

6.3 The shuttering plates shall be cleaned properly with electrically driven sanders to remove any cement slurry or cement mortar or rust. Proper shuttering oil or deboning compound shall be applied on the surface of the shutter plates in the requisite quantity before assembly of steel reinforcement.

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6.4 The joint filler shall be resilient closed cell expanded polyethene and non- tainting as manufactured by Supreme Industries Ltd.

6.5 Providing joint filler of required thickness in position to substrate using either double sided foam adhesive tape or neoprene synthetic rubber adhesive.

7.0 BRICK WORK:-

Unless otherwise specified bricks of Fly Ash cement/ Fly ash lime & Gypsum of class designation 75 kg/sqcm and AAC blocks of class designation 35 kg/sqcm as per relevant IS codes shall be used in all items of brick work. The work shall also include for leaving chases / notches for dowels / cramps for all kinds of cladding to come over brick work.

8.0 STONE / MARBLE WORK:-

8.1 The execution of stones work shall be in general as per CPWD Specifications - 2019– Vol.I & Vol. II with upto date correction slips.

8.2 All holes, rebates, recesses etc. for providing fixing and inserts shall be predrilled and precut and worked using precision machine tools.

8.3 Samples of each item of stone work either individually or in combination shall be prepared for approval of Engineer-in-Charge before commencement of work.

8.4 Sequence of execution for cladding work shall be suggested by the contractor for approval of Engineer-in-Charge.

9.0 SCAFFOLDING:-

9.1 The wood work in general shall be carried out as per CPWD Specifications – 2019 Vol.I & II with upto date correction slips.

9.2 All fittings and fixtures shall be got approved from the Engineer-in Charge before procurement well in advance and the approved samples shall be kept at site till completion of the work for which nothing extra shall be paid.

9.3 The shape and size of beading shall be as per drawings. The joints of beading shall be mitered.

10.0 FLOORING

10.1 All work in general shall be carried out as per CPWD Specifications- 2019 - Vol.I & Vol. II with upto date correction slips.

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10.2 Whenever flooring is to be done in patterns tiles/ stone, the contractor shall get samples of each pattern laid and approved by the Engineer-in-Charge before final laying of such flooring for which nothing extra shall be paid.

10.3 Different stones/ tiles used in pattern flooring as per the approved architectural drawings and nothing extra for laying pattern flooring shall be paid. No additional wastage if any shall be accounted for any extra payment.

10.4 The proper gradient shall be given to flooring for toilets, varrandah, kitchen, court yard, etc. as per the directions of Engineer-in-Charge For this there may be extra thickness of mortar below the tiles/stone slabs. These gradients should be insured in the shuttering itself.

11.0 Ceramic Tiles / Vitrified Tiles Work / Granite stone flooring

11.1 Work shall be carried out as per CPWD Specifications- 2019 Vol I & II with up to date correction slips and as per manufactures specifications.

11.2 Rates shall be inclusive of all operations including labour, material, wastage, T&P, scaffolding etc. complete. Nothing extra shall be payable on these account.

11.3 One piece Granite stone for treads / risers in staircase shall be used including rounding of nose.

11.4 POP protection layer shall be laid on all finished floors for protection from damage during execution of other items of work in that area which shall be removed and cleaned just before handing over of the premises for which nothing extra shall be paid.

11.5 The testing of tiles shall be carried out at prescribed frequency and methodology as per IS 13630.

12.0 STAINLESS STEEL RAILING/HANDRAILS:

12.1 GENERAL

The contractor shall apply all materials, labour, tools, ladders, scaffolding and other equipments necessary for the completion and protection of all stainless steel work.

12.2 MATERIAL

All stainless steel pipes and plates shall conform to AISI 304 in 18/8 composition. 18 will be chromium and 8 will be Nickel and carbon content will be 0.03 maximum and the relevant clauses associated with this grade of steel to be followed.

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12.3 **SURFACE FINISH**

Surface finish of all the stainless steel materials will be in 240 grit satin finish / matt finish.

13.0 FINISHING

13.1 The work shall be carried out as per CPWD Specifications- 2019 Vol.-I & Vol. II with upto date correction slips.

13.2 All painting material shall brought to the site of work in the original sealed containers. The material brought to the site of work shall be sufficient for at least 30 days of work. The material shall be kept under the joint custody of contractor and representative of the Engineer-in-Charge. The empty contains shall not be removed from the site till the completion of the work without permission of the Engineer-in-Charge.

13.3 Paint register shall be maintained as per CPWD proforma for periodical verification by CPWD

14.0 FIXING OF SCI/CI PIPE

14.1 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 extra shall be payable on this account. GI pipes shall be, wherever made to pass through wall / concrete, then it shall be done using protective sleeves alround the pipes to protect it from damage, nothing extra shall be payable on this account.

14.2 Water tanks, taps, sanitary, water supply and drainage pipes, fittings and accessories should confirm to bye-laws and specifications of the Municipal Body/Corporation where CPWD Specifications are not available. The work of water supply, internal sanitary installation and drainage etc. shall be carried out as per local Municipal Corporation or such local body bye-laws. The contractor shall get the materials (fixtures/fittings) tested by the Municipal body/Corporation authorities wherever required at his own cost and after completion of work shall produce necessary completion certificates from such authorities.

15. RATES

15.1 The rates quoted by the Contractor are deemed to be inclusive of site clearance, setting out work, profile, setting lay out on ground, establishment of reference bench mark(s), installing various signage, taking spot levels, survey with total station, construction of all safety and protection devices, compulsory use of helmet and safety shoes, and other appropriate safety gadgets by workers, imparting continuous

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training for all the workers, barriers, preparatory works, construction of clean, hygienic and well ventilated workers housings in sufficient numbers as per drawing supplied by Engineer in charge, working during monsoon or odd season, working beyond normal hours, working at all depths, height, lead, lift, levels and location, etc. and any other unforeseen but essential incidental works required to complete this work. Nothing extra shall be payable on this account and no extension of time for completion of work shall be granted on these accounts.

15.2 All ancillary and incidental facilities required for execution of work like labour camp, stores, fabrication yard, offices for Contractor, watch and ward, temporary ramp required to be made for working at the basement level, temporary structure for plants and machineries, water storage tanks, installation and consumption charges of temporary electricity, telephone, water etc. required for execution of the work. Protection works, testing facilities / laboratory at site of work, facilities for all field tests and for taking samples etc. during execution or any other activity which is necessary (for execution of work and as directed by Engineer-in-Charge), shall be deemed to be included in rates quoted by the Contractor, for various items in the schedule of quantities. Nothing extra shall be payable on these accounts.

15.3 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, not with-standing 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.

15.4 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 and thus not paid for.

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PREFERRED MAKE OF MATERIALS

(FOR CIVIL WORKS)

S.No.	Material/Items	Preferred Makes
1.	Ordinary Portland Cement / Portland Pozzolana Cement.	ACC, Ultratech, Ambuja, J.K.Cement, Shree Cement, Jaypee cement, Vikram cement.
2.	White Cement	Birla White, J K White, Asian paints,
3.	Construction Chemicals/ VMA/ Mineral Additive	Fosroc, Pidilite, MC Bauchemie, Weber (Saint Gobain), Sika, MYK Arment, Alccofine (Ambuja), MAPEI, Berger Paints Ltd., Asian Paints Ltd., Ultra Tech
4.	Super Plasticizer/ Plasticizers/ Admixtures	Fosroc, Xypex (I) Pvt. Ltd., Sterling Technotrade Pvt. Ltd., Tikidan, Penetron, Sika, Ultratech, Asian Paints Ltd, MAPEI, Berger Paints Ltd., PAR, MCON RASAYAN India Ltd., Myk Arment
5.	Concrete Curing Compound	Master Builder, MYK Arment, Pidilite, Fosroc, Sika, Weber (Saint Gobain), MC Bauchemie, Mapei, Tikidan, Penetron, Asian Paints Ltd, Berger Paints Ltd., PAR
6.	TMT Reinforcement Bars	SAIL (TMT HCR), Tata Tiscon (CRS), RINL (CRM/HSCRM), JSPL (Jindal Panther CRS), JSW (Neo Steel CRS)
7.	Mechanical Couplers for CRS Reinforcement bars.	Dextra, Halfen, Sanfield, TATA, Jindal, Sail.
8.	Anchor fastener, Dash Fastener, Rebar Chemical/ Mechanical Fastener, Expandable Fastener	Hilti, Fisher, Bosch, Wuerth
9.	Ready Mix Cement Concrete	ACC, Ultratech, PRISM RMC India, Infra.Market, Nuvoco, Birla White
10.	Poly-sulphide Sealant/ PU Sealant for Joints	Pidilite, Sika, Dow Corning, Fosroc, Ferrouscrete, Master Builder, MAPEI, Berger Paints Ltd., ASIAN PAINTS LTD., Technonicol, STP Ltd., PAR, Myk Arment
11.	Core cutting machine	Hilti, Fischer, Wurth
12.	PVC water stop	Jyoti rubber, Maruti rubber, Fosroc, Sika, Master Builder, Kantaflex, Penetron, Saint Gobain, MAPEI., Technonicol.

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13.	Integral Crystaline Waterproofing Compound	Penetron (I) Pvt. Ltd. Zypexx (I) Pvt. Ltd., Xypex (I) Pvt. Ltd., Sterling Technotrade (I) Pvt. Ltd, Berger Paints Ltd., Asian Paints Ltd., STP Ltd., Myk Arment
14.	Crystalline Waterproofing Coating	Penetron (I) Pvt. Ltd. Zypexx (I) Pvt. Ltd., Xypex (I) Pvt. Ltd., Sterling Technotrade (I) Pvt. Ltd, MAPEI, Berger Paints Ltd., Asian Paints Ltd., Technonicol, STP Ltd., Myk Arment
15.	Water swellable hydrophilic waterstops (Bentonite Based) for Construction Joints	Penetron (I) Pvt. Ltd. Zypexx (I) Pvt. Ltd., Xypex (I) Pvt. Ltd., Sterling Technotrade (I) Pvt. Ltd, MAPEI..
16.	High Strength Crystalline Mortar	Penetron (I) Pvt. Ltd. Zypexx (I) Pvt. Ltd., Xypex (I) Pvt. Ltd., Sterling Technotrade (I) Pvt. Ltd, MAPEI,
17.	Waterproofing Self-adhesive & (HDPE) Membrane	Penetron (I) Pvt. Ltd., Zypexx (I) Pvt. Ltd., Xypex (I) Pvt. Ltd., Sterling Technotrade (I) Pvt. Ltd., Asian Paints Ltd., Saint GobainChryso, MAPEI, Berger Paints Ltd., Technonicol, STP Ltd., Birla Opus
18.	Polymer Modified Cementitious Grout	Fosroc, Xypex (I) Pvt. Ltd., Sterling Technotrade Pvt. Ltd., Tikidan, Penetron, MAPEI, Berger Paints Ltd., Myk Arment
19.	Double Component Liquid PU Elastomeric Membrane (spray applied)	Fosroc, Xypex (I) Pvt. Ltd., Sterling Technotrade Pvt. Ltd., Tikidan, Penetron, Berger Paints Ltd., Birla Opus
20.	Acrylic Cementitious Coating	Fosroc, Xypex (I) Pvt. Ltd., Sterling Technotrade Pvt. Ltd., Tikidan, Penetron, Asian Paints Ltd, MAPEI., Birla Opus
21.	Backer Rod	Fosroc, Xypex (I) Pvt. Ltd., Sterling Technotrade Pvt. Ltd., Tikidan, Penetron
22.	PUFF Insulation Spray Applied	Fosroc, Xypex (I) Pvt. Ltd., Sterling Technotrade Pvt. Ltd., Tikidan, Penetron, MAPEI.
23.	AAC Blocks	ACC, Popular, Infra.market, Ultratech, Ferrous crete, Siporex, Ardexendura
24.	AAC Block adhesive/ Ready mix polymer cement mortar	ACC, Popular, Infra.market, Ultratech, Weber (Saint Gobain), Magicrete, Fosroc, Ferrous crete, Siporex, Ardexendura
25.	Structural Steel Sections / Tubular	SAIL, Tata Steel, RINL, JSPL and JSW,

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

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	Sections	APL Apollo tube, Vizag Steel.
26.	EPDM Gasket	Schuco, Hanu, Raven, Anand
27.	Metal deck profile sheet	Ezydeck of TATA / Lloyd Superdeck, JSW
28.	Profile Sheet Roofing (Precoated)	Tata Bluescope Steel Ltd., Jindal Steel, JSW Steel, APL Apollo Interarch, super deck, Llyod.
29.	Polycarbonate Sheet	GE-LEXAN, Polygal, Tuflite, Coxwell, DPI day lighting
30.	Aluminium Extrusions	Hindalco, Jindal, NALCO, BALCO, Indian AL Co.
31.	AnodisedAluminium Hardware (Heavy Duty)	Classic, Ebco, HARDIMA, EVERITE, Alu Alpha, Hindalco,
32.	Aluminium Composite Panels/ Honeycomb Composite Panels/ Aluminium-HPL Panels	Alucobond, Alstone, Aludecor, Alstrong, 4MANN & Arrowbond, Eurobond, Viva.
33.	Silicone Sealant / Weather Sealant / Fire Sealant / Polysulphide Sealant/ Structural Silicon sealant/ Pre pigmented Weather Silicone	Alstone, Dow, Choksey, Hilti, Wuerth (Promat), GE Plastics, Pidilite, Fosroc, Wacker, Corning, Momentive (GE), Mapei, Tremco, MC Bauchemie (I), Bostik
34.	Metal (Aluminium) Facade Panels/ louver.	HunterDouglas, DwallMetallic, Lindner AG, Anakon, Hindalco
35.	Vitrified Tiles, Ceramic tiles.	Kajaria, Somany, NITCO, Johnson, AGL, Vitero, Cera
36.	Tiles/ Stone fixing Adhesive (Only High performance, polymer modified, non-slip adhesive)	Ardexendura, Ferrouscrete, Latricrete,Saint Gobain-Weber,Roff, Ultratech, Somany, MAPEI, MCON RASAYAN India Ltd., Myk Arment
37.	Wooden Laminated Engineer Flooring	Action Tesa, Pergo, Apex, Lamiwood, Kronotex, Greenlam, Greenply, Floormax, Kahrs
38.	PVC Flooring	Armstrong, Unitex, LG, Tarkett, Tremco
39.	Vinyl Flooring (Gym Flooring)	LG, 3M, Tarkett, Armstrong, Tremco
40.	Floor hardener	Ardex Endura, Weber (Saint Gobain), MC Bauchemie, Ferrouscrete, Myk Arment
41.	GRG (Glass Fibre Reinforced Gypsum) false ceiling with GI grid system	USG- Boral Knauf, Gyproc, Armstrong, Aerolite, Hunter Dougles, Diamond Ceilings, Saint Gobain, Hi Steel.
42.	Calcium Silicate / Mineral Fiber False	USG- Boral Knauf, Gyproc, Armstrong, Aerolite,

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

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	Ceiling Tiles and frame work	Hunter Dougles, Diamond Ceilings, Saint Gobain.
43.	Gypsum Board False Ceiling/Partition and frame work	USG- Boral Knauf, Gyproc, Armstrong, Aerolite, Hunter Dougles, Diamond Ceilings, Saint Gobain, Hi Steel.
44.	Metal false ceiling i/c framework	USG- Boral Knauf, Gyproc, Armstrong, Aerolite, Hunter Dougles, Diamond Ceilings, Saint Gobain, MCRA, Hi Steel, MCRA.
45.	Plywood/ CORIAN	Greenply (green Gold), Century (Club Prime), Merino Laminates, Archid ply, Dupont Mangalam, Durran.
46.	Veneer/ Decorative Veneer	Greenlam (Decowood), Century, Greenply, Merino Laminates, Archid Ply.
47.	Exterior Grade - MDF/ Particle Board	Greemlam, Action Tesa, Century, Merino, Archid Ply.
48.	WPC DOORS & FRAMES	Alstone, Rajshri Plasti wood, Greenply, Century, KAKA.
49.	Acoustic panel	Anutone, Techno Ceiling, Saint, Gobain, USG Knauf , Armstrong, Himalayan, Ecotone, Gyptech, INDOSONIC
50.	Cement Fiber Board/ Cement bonded particle board	Everest, NCL Industries (Bison Panel), Century (Zykron), Saint Gobain
51.	Heat Resistant Tiles	Kajaria, Somany, Johnson, Nitco, Thermatek
52.	Glass	Saint Gobain, Modiguard, Sisecam, Pilkington, TATA, Ashahi float, Gold Plus.
53.	Floor spring, door closer & door automation	Dorma, Assa Abloy, Hafele, Hatich. Geze , Godrej, Door Set, Kich.
54.	All type of Door lock including Mortice locks	Dorma, Assa Abloy, Hafele, Hatich. Geze , Godrej, Door Set, Kich.
55.	SS & Brass Door Hardware	Dorma, Assa Abloy, Hafele, Hatich. Geze , Godrej, Door set, Kich, Door Set.
56.	Fire rated Doors	Promat, Navair, Ardor, Shakti Hormann, Tata Pravesh, Bhawani fire, Pacific, Shirke Poly Norm, ASES
57.	Fire rated door fittings	Dorma, Assa Abloy, Hafele, Hatich. Geze, ASES.
58.	Fire rated Glass	Vetrotech (Saint-Gobain),SCHOTT,

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

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		Pyroguard, Shakti Hormann,Glaverbel, AIS-Pyrobel, Hero.
59.	Modular Toilet Cubical	Greenlam, Merino, Fundermax
60.	Laminates/ Compact laminate sheet/ High Pressure Laminate	Greenlam, Merino, Century, Royal Touche, Formica
61.	Frosted film	LG, 3M, Garware, Dupont, Saint Gobin
62.	Gypsum Plaster / Ready Mix Plaster/ Polymer modified self-curing Mortar	Saint Gobain Gyproc ,Ardex ,Endura, Pidilite, FOSROC, Ferrous Crete, Berger, Birla White, Ultratech, MCON RASAYAN India Ltd.
63.	Cement Primer	BP White (Berger), Decoprime WT(Asian), White primer (ICI), BIRLA Opus, JSW PAINTS
64.	Cement Based & Acrylic Wall putty	JK White, Asian paints, Ferrous Crete, Magicrete, Weber (Saint Gobain), BIRLA Opus, JSW PAINTS
65.	Oil Bound Washable Distemper	Asian paints, Berger, Dulux ICI, BIRLA OPUS, JSW PAINTS.
66.	Dry Distemper	Asian paints (Professional Acrylic Distemper), Berger (Bison Acrylic Distemper), Dulux ICI (Maxilite), BIRLA Opus, JSW PAINTS,
67.	Acrylic Smooth Exterior Paints	Ultima protect – Asian paints, Long life 15 – Berger, All guard- Nerolac, BIRLA OPUS, JSW PAINTS.
68.	Synthetic Enamel Paint	Asian (Apcolite Premium gloss enamel), Berger (Luxol Hi gloss), ICI- Dulux (Gloss Synthetic Enamel), BIRLA OPUS, JSW PAINTS
69.	Acrylic Interior Emulsion Paints	Asian paints, Nerolac Berger, ICI Dulux, BIRLA OPUS, JSW PAINTS.
70.	Steel Primer (Red Oxide Zine Chromate Primer)	Asian paints, Berger, ICI-Dulux, BIRLA Opus, JSW PAINTS.
71.	Paint- Anti carbonation paint	Fosroc, Pidilite, BASF, Asian paints, Sika, Berger, Birla Opus
72.	Wood primer	Asian paints, Berger, ICI-Dulux, Nerolac, JSW, Birla Opus
73.	Flush door shutters.	Century, Archid ply, Green Ply, Kit Ply, Jain Doors, Kalpataru.

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

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74.	Melamine Polish	Asian paints – Melamine Gold ,Pidilite – wudfin, ICI dulex- Timber tone, Birla Opus
75.	Stainless steel for railing etc.	Jindal (Hisar), Star Jindal, Sail, JSL., Vizag, JNB.
76.	Wall putty.	Birla Wal care, JK White, Berger, Asian Paints, Nerolac,
77.	CPVC/UPVC Pipes and Fittings	Supreme, Hindware, Astral, Ashirwad, Finolex, AKG.
78.	CP Brass Fittings	Jaguar, Kohler, Roca ,Hindware, Parryware, ESSESS, Bath Sense, EURONICS, Shalimar
79.	Mirror Glass	Modiguard, Golden Fish, Atul.
80.	Sanitary wares, Fittings and accessories.	Jaguar, Kohler, Roca ,Hindware, Parryware, ESSESS, Bath Sense, Euronics,
81.	UPVC doors and windows.	NCL-Veka, Fenesta, Duroplast, vintek, KAKA, Venster/Okotech, Rajshri
82.	FRP / WPC Door frames and shutters	Jayna, Rajshri, EP Kamath, Duroplast, KAKA.
83.	PVC rain water pipes and fittings	Supreme, Hindware, Astral, Ashirwad, Finolex.
84.	PP Pipe, DWC pipe and fittings	Astral, Ashirwad, Velsor, Huliet, Zolato, Lehary, Supreme.
85.	Puf Roof Panel and Accessories	QuadCore-Kingspan Jindal, TATA, Lloyd Insulations(India) Limited, JSW.

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

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

This agreement made this _____ day of _____ Two Thousand _____ between _____ son of _____ (hereinafter called the guaranter on one part) and President of India (hereinafter called Government of the other part).

WHEREAS THIS agreement is supplementary to a contract (hereinafter called the contract) dated _____ and made between the GUARANTER OF THE ONE part and the GOVERNMENT of the other part, where by the contractor, interalia, undertook to render to buildings and structures in the said contract recited completely water and leak proof.

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

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

Provided that the guaranter will not be responsible for leakage caused by earthquakes or structural defects or misuse of roof or alterations and for such purpose :

a) misuse of roof shall mean any operation which will damage proofing treatment, like chopping of firewood and things of the same nature which might cause damage to the roof,

b) alteration shall mean construction of an additional storey or a part or construction adjoining to existing roof, where by water-proofing treatment is removed in parts :

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

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

That if Guarantee fails to execute the water proofing or commits breach thereunder, then the Guarantor will indemnify the principal and his successors against all

Correction NIL	Insertion NIL
Omission NIL	Overwriting NIL

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loss, damage, cost expense or otherwise which may be incurred by him by reason of any default on the part of GUARANTER 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 of the parties.

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

SIGNED, sealed and Delivered by (OBLIGOR) in the presence of :

1. _____

2. _____

SIGNED FOR AND ON BEHALF OF THE PRESIDENT OF INDIA by _____ in the presence of :

1. _____

2. _____

Correction NIL	Insertion NIL
Omission NIL	Overwriting NIL

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ANNEXURE-II

On non-judicial stamp paper of minimum Rs. 100

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

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

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

   OR**

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

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

3. We, ... (indicate the name of the Bank)……, do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our

Correction NIL	Insertion NIL
Omission NIL	Overwriting NIL

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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.

Correction	NIL	Insertion	NIL
Omission	NIL	Overwriting	NIL

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Date……

Witnesses:

1. Signature…….
   Name and address

Authorized signatory
Name

Designation

Staff code no.

Bank seal

2. Signature…….
   Name and address

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

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

Correction NIL	Insertion NIL
Omission NIL	Overwriting NIL

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Annexure-III

SELF CERTIFICATE / DECLARATION

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

Name of work:- **A/R & M/O office & residential building of IBM, Margao, Goa for the year 2026-27.**

I/we hereby undertake and confirm that I/we will not execute the above work on back to back basic or any second party. I/ We have not been blacklisted, debarred, declared non performer or expelled by Union Government/ PSU's etc. during the last 5 years up to the last date of receipt of bid. Further it is stated that, if any violation comes to the notice of department, then **I/We shall be debarred for biding in CPWD in future forever**. Also, if such a violation comes to the notice of department before or after the date of start of work, the Engineer-In-Charge shall be free to forfeit the entire amount of earnest money deposit/performance guarantee.

……..……

(Signed by Bidder with seal & date)

Correction NIL	Insertion NIL
Omission NIL	Overwriting NIL

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Annexure-IV

DECLARATION ABOUT SITE INSPECTION

To,

The Executive Engineer & Senior Manager (Civil)-I,

CPWD Goa

Name of Work: **A/R & M/O office & residential building of IBM, Margao, Goa for the year 2026-27.**

Dear Sir,

It is hereby declared that as per CPWD–6 FOR e-BIDDING and as per terms and conditions of this tender document, I/ We the bidder inspected and examined the subject site and its surrounding and satisfy myself / ourselves as to the nature of the ground and sub-soil (so far as is practicable),the forms and nature of the site./ ourselves before submitting the bid, the accommodation which may require and all necessary information as to risks, contingencies and other circumstances which may influence or affect our bid have been obtained.

I/We the bidder shall have full knowledge of the site and no extra charge consequent upon any misunderstanding or otherwise shall be claimed in later date.

I /We bidder shall be responsible for arranging and maintaining at 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 me/us implies that I / We have read this notice and all other contract documents and has made myself /ourselves aware of the scope and specifications of the work to be done and local conditions and other factors having a bearing on the execution of the work.

Yours faithfully

Signature of Bidder(s) with Seal

Correction NIL	Insertion NIL
Omission NIL	Overwriting NIL

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Special Conditions as per the guidelines of National Green Tribunal

1. The contractor shall not store/dump construction material or debris on metalled road.

2. The contractor shall get prior approval from Engineer-in-charge for the area where the construction material or debris can be stored beyond the mattalled road. This area shall not cause any obstruction to the free flow of traffic/inconvenience to the pedestrians. It should be ensured by the contractor that no accidents occur on account of such permissible storage.

3. The contractor shall take appropriate protection measures like raising wind breakers of appropriate height on all sides of the plot/area using CGI sheets or plastic and / or other similar material to ensure that no construction material dust fly outside the plot area.

4. The contractor shall ensure that all the trucks or vehicles of any kind which are used for construction purposes/ or are carrying construction material like cement, sand and other allied material are fully covered. The contractor shall take every necessary precautions that the vehicles are properly cleaned and dust free to ensure that ensure that enroute their destination, the dust, sand or any other particles are not released in air/ contaminate air.

5. The contractor shall provide mask to every worker working on the construction site and involved in loading, unloading and carriage of construction material and construction debris to prevent inhalation of dust particles.

6. The contractor shall provide all medical help, investigation and treatment to the workers involved in the construction of building and carry of construction material and debris relatable to dust emission.

7. The contractor shall ensure that C&D waste is transported to the C & D waste site only and due record shall be maintained by the contractor.

8. The contractor shall compulsory used of wet jet in grinding and stone cutting.

9. The contractor shall comply all the preventive and protective environmental steps as stated in the MoEF guidelines, 2010.

Correction NIL	Insertion NIL
Omission NIL	Overwriting NIL

AE(P),GCD

10. The contractor shall carry out on-Road- Inspection for black smoke generating machinery. The contractor shall use cleaner fuel.

11. The contractor shall ensure that all DG sets comply emission norms notified by MoEF.

12. The contractor shall use vehicles having pollution under control certificate. The emissions can be reduced by a large extent by reducing the speed of a vehicle to 20 kmph. Speed bumps shall be used to ensure speed reduction. In cases where speed reduction cannot effectively reduce fugitive dust, the contractor shall divert traffic to nearby paved areas.

13. The contractor shall ensure that the construction material is covered by tarpaulin. The contractor shall take all other precaution to ensure that no dust particles are permitted to pollute air quality as a result of such storage.

14. The paving of the path for plying of vehicles carrying construction material is more permanent solution to dust control and suitable for longer duration projects. The NIT approving authority shall carry out cost benefit ratio analysis of the same.

Correction	NIL	Insertion	NIL
Omission	NIL	Overwriting	NIL

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Correction NIL	Insertion NIL
Omission NIL	Overwriting NIL

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SCHEDULE OF QUANTITIES

Name of work:- A/R & M/O office & residential building of IBM, Margao, Goa for the year 2026-27.

Item No.	Description	Qty	Unit	Rate	Amount
1	**SUB HEAD : 2.0 EARTH WORK**				
1.1	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :				
1.1.1	Along the external wall below concrete or masonry apronusing chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.:				
1.1.1.1	With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	100.00	metre	59.81	5981.00
1.1.2	Treatment of existing masonry using chemical emulsion @one litre per hole at 300 mm interval including drilling holes at 45 degree and plugging them with cement mortar 1:2 (1 cement : 2 coarse sand) to the full depth of the hole :				
1.1.2.1	With Chlorpyriphos/Lindane E.C. 20% with 1% concentration	250.00	metre	48.12	12030.00
2	**SUB HEAD : 4.0 CONCRETE WORK**				
2.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
2.1.1	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	1.00	cum	8815.65	8816.00
3	**SUB HEAD : 8.0 CLADDING WORK**				

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

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3.1	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.				
3.1.1	Granite of any colour and shade				
3.1.1.1	Area of slab upto 0.50 sqm	6.00	sqm	6057.44	36345.00
3.2	Providing and fixing Ist quality ceramic glazed wall tiles sizes (300x600 and more) conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	61.00	sqm	1418.78	86546.00
4	**SUB HEAD : 9.0 WOOD AND P.V.C. WORK**				
4.1	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete. : Twin rubber stopper				
4.1.1	Twin rubber stopper	6.00	each	80.96	486.00

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

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4.2	Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame	27.00	metre	638.86	17249.00
4.3	Providing and fixing to existing door frames.				
4.3.1	30 mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS: 14856, including fixing to frames.	8.00	sqm	4163.33	33307.00
4.4	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete.				
4.4.1	125 mm	12.00	each	133.38	1601.00
5	**SUB HEAD : 13.0 FINISHING**				
5.1	12 mm cement plaster of mix :				
5.1.1	1:6 (1 cement: 6 fine sand)	50.00	sqm	373.00	18650.00
5.2	6 mm cement plaster of mix :				
5.2.1	1:3 (1 cement : 3 fine sand)	50.00	sqm	336.19	16810.00
5.3	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
5.3.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	90.00	sqm	253.16	22784.00
5.4	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	438.00	sqm	174.62	76484.00

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

AE(P),GCD

5.5	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.				
5.5.1	Two coats	438.00	sqm	153.80	67364.00
5.6	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.				
5.6.1	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	438.00	sqm	82.74	36240.00
5.7	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	438.00	sqm	28.14	12325.00
6	**SUB HEAD : 14.0 REPAIRS TO BUILDING**				
6.1	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.				
6.1.1	With cement mortar 1:4 (1cement: 4 coarse sand)	50.00	sqm	627.18	31359.00
6.2	Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-in-Charge.	3.00	each	150.05	450.00
7	**SUB HEAD : 15.0 DISMANTLING AND DEMOLISHING**				
7.1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
7.1.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	1.00	cum	2723.81	2724.00
7.2	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead :				

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

AE(P),GCD

7.2.1	Of area upto 3 sq. metres	6.00	each	160.57	963.00
7.3	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
7.3.1	For thickness of tiles 10 mm to 25 mm	61.00	sqm	82.13	5010.00
7.4	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	3.00	each	125.37	376.00
7.5	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	95.00	cum	295.34	28057.00
8	**SUB HEAD : 17.0 SANITARY INSTALLATIONS**				
8.1	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :				
8.1.1	W.C. pan with ISI marked white solid plastic seat and lid	6.00	each	7290.57	43743.00
8.2	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:				
8.2.1	White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	3.00	each	2491.18	7474.00
8.3	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required:				
8.3.1	Kitchen sink without drain board				
8.3.1.1	610x510 mm bowl depth 200 mm	3.00	each	5528.51	16586.00

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

AE(P),GCD

8.4	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete.				
8.4.1	10 litre capacity - White	8.00	each	1332.28	10658.00
8.5	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
8.5.1	Flexible pipe				
8.5.1.1	32 mm dia	6.00	each	133.77	803.00
9	**SUB HEAD : 18.0 WATER SUPPLY**				
9.1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall				
9.1.1	25 mm nominal dia Pipes	10.00	metre	449.32	4493.00
9.1.2	32 mm nominal dia Pipes	10.00	metre	580.45	5805.00
9.2	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.				
9.2.1	20 mm nominal dia Pipes	15.00	metre	601.54	9023.00
9.3	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
9.3.1	25 mm nominal bore	3.00	each	519.25	1558.00
9.4	Providing and fixing uplasticised PVC connection pipe with brass unions :				
9.4.1	45 cm length				

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

AE(P),GCD

9.4.1.1	15 mm nominal bore	6.00	each	109.38	656.00
9.5	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
9.5.1	15 mm nominal bore	6.00	each	567.09	3403.00
9.6	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
9.6.1	15mm nominal bore	6.00	each	642.61	3856.00
9.7	Providing and fixing PTMT grating of approved quality and colour.				
9.7.1	Circular type				
9.7.1.1	100 mm nominal dia	3.00	each	42.07	126.00
10	**SUB HEAD : 26.0 NEW TECHNOLOGIES AND MATERIALS**				
10.1	Chipping of unsound/weak concrete material from slabs, beams,columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge				
10.1.1	25mm average thickness	30.00	sqm	141.83	4255.00
10.2	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect.				
10.2.1	SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 kg cement per sqm of surface area mixed with specified proportion of approved polymer	30.00	sqm	158.00	4740.00

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

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10.3	Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curinghas been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75mm size cube crushing strength at the end of 28 days to be not less than 30 N/Sqmm2).				
10.3.1	25 mm average thickness in 2 layers.	30.00	sqm	657.21	19716.00
11	**SUB HEAD: NON SCHEDULE ITEMS**				
11.1	Providing and fixing stainless steel (grade 304) sliding door bolts of size 300x16 mm of approved makeswith nuts and screws etc. complete as per direction of Engineer in charge. (make of Dorma, Dorset, kitch, hafele, hetitch, etc.)	9.00	each	1432.70	12894.00
11.2	Providing and fixing Stainless Steel sliding door bolts, with nuts and screws etc. Complete. (make of Dorma, Dorset, kitch, hafele, hetitch, etc.)				
11.2.1	250x16 mm	9.00	each	1114.30	10029.00
11.3	Providing and fixing stainless steel (grade 304) tower bolts of model 911.81.398 of size 250x10 mm of hafele make or equivalent as approved by engineer inchage, with nuts and screws etc. complete :	9.00	each	313.85	2825.00

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

AE(P),GCD

11.4	Cleaning the reinforcement of total rust to give a totally rust free finished steel surface by manual methods using wire brush, chiselling, sand paper etc. and by sand blasting wherever possible including providing and applying a coat of alkaline chemical rust remover or Rusticide of M/s Sunanda Speciality Coating Pvt. Ltd., or equivalent brand or approved by the Engineer-in-Charge applying @ 0.15 Lit/3 sqm of exposed concrete surface with the help of paint brush and then cleaning the surface of reinforcement after 24 hours of its application by removing the loose particals with wire brush and throughly washing with water and allowing it to dry. It includes application of corrision inhibor of approved make as per the manufaturer specification etc. complete as per the directions of Engineer-in-Charge (for payment purpose the area exposed or chipped concrete surfaced of RCC member shall be measured.	30.00	sqm	180.25	5408.00
11.5	Applying Dr Fixit Dampguard classic or equvalent as damp proof coating for internal walls				
11.5.1	Two coat of Dr Fixit Dampguard classic or equvalent as damp proof coating on wall surface as per the direction of Engineer-in charge.	100.00	sqm	161.00	16100.00
11.6	Providing and fixing Stainless steel mosquito proof screen using stainless steel wire of gauge of average width of aperture 1.4mm with wire of dia. 0.50mm all complete in aluminium windows as per the direction of Engineer-in-charge excluding the cost of frame work which shall be paid separetely.	10.00	sqm	1713.50	17135.00
11.7	Providing and fixing anodic coating adjustable window louvers including glass louvers, aluminium handle bar, jointing with extruded aluminium cleats louvers etc. complete as per the direction of Engineer-in-charge.	2.00	sqm	4983.40	9967.00

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

AE(P),GCD

11.8	Providing and fixing on wall face unplasticised Rigid PVC SWR pipes conforming to IS : 13592 Type B, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
11.8.1	110 mm diameter	5.00	metre	458.95	2295.00
11.8.2	75 mm diameter	5.00	metre	300.10	1501.00
11.8.3	40 mm diameter	5.00	metre	241.60	1208.00
11.9	Providing and fixing on wall face unplasticised-PVC moulded fittings / accessories for unplasticised Rigid PVC SWR pipes conforming to IS : 13592 Type B, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.				
11.9.1	Single tee with door				
11.9.1.1	110x110x110 mm	3.00	each	273.50	821.00
11.9.1.2	75x75x75 mm	3.00	each	162.55	488.00
11.10	Providing and fixing Stainless steel Towel Rail continental range of jaquar or equivalent make having length 600mm or equivalent approved quality and make as per the direction of Engineer-in-charge.	3.00	each	1467.95	4404.00
11.11	Providing and fixing PVC floor trap of self cleasing design with screwed down or hinged grating etc complete, including cost of cutting and making good the walls and floors				
11.11.1	100mm inlet and 75mm outlet	3.00	each	149.10	447.00
11.12	Providing and fixing 2 Way Bib Cock with wall flange of OPAL Prime Range of jaquar or FLUID range of Hindware or equivalent approved make all complete as per the direction of Engineer-in-charge.	4.00	each	2321.00	9284.00
11.13	Providing and fixing Hand Shower (Health Faucet) of ALLIED range of jaquar or equivalent make and range having 8mm dia and 1m long flexible tube with wall hook of approved make as per the direction of Engineer-in-charge.	6.00	each	1606.95	9642.00

Correction NIL Insertion NIL

Omission NIL Overwriting NIL

AE(P),GCD

12	**SUB HEAD: CREDIT ITEMS**				
12.1	Credit of dismentle/unserviceable material including disposal from site and cleaning the site in all complete as per direction of Engineer-in-charge.				
12.1.1	M.S, G.I and C.I. etc	10.00	kg	-30.00	-300.00
12.1.2	PVC items	5.00	kg	-30.00	-150.00
12.1.3	Brass item like pillor cock, bib cock, angle valve etc.	10.00	kg	-150.00	-1500.00
	Total Rs.				**761350.00**

Executive Engineer & Senior Manager(C)-I,
GCD, CPWD, Goa

Correction NIL	Insertion NIL
Omission NIL	Overwriting NIL

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Correction NIL	Insertion NIL
Omission NIL	Overwriting NIL

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PART - C

PRICE BID

Correction NIL	Insertion NIL
Omission NIL	Overwriting NIL

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Correction NIL	Insertion NIL
Omission NIL	Overwriting NIL

AE(P),GCD

Central Public Works Department

NIT/RFP No: 38/EE/GCD/2026-27

Name of wok:- A/R & M/O office & residential building of IBM, Margao, Goa for the year 2026-27.

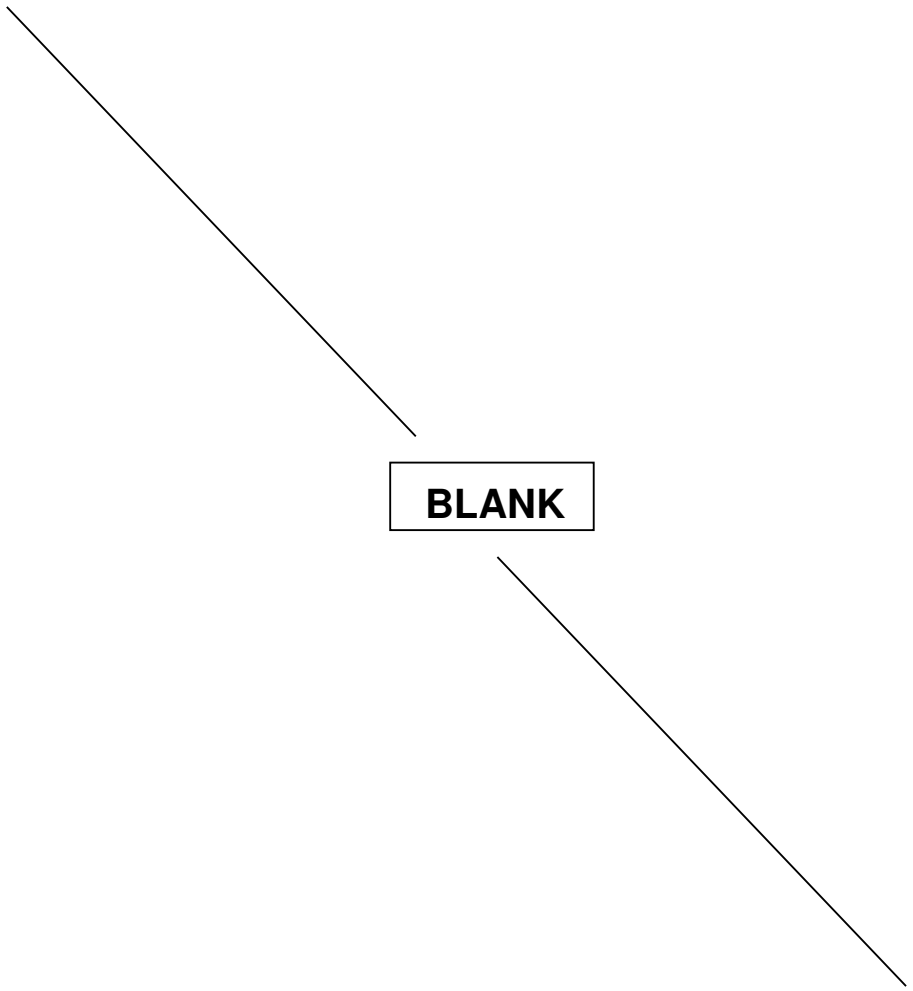
SCHEDULE OF QUANTITY

Name of the Contractor/ Company Name					
Sl.No.	**Name of Component**	**Estimated cost**	**Percentage above or below the estimated cost**	**% in Figures**	**Total Cost**
1	**Civil Work**	**7,61,350.00**			
	Grand Total				

Executive Engineer & Senior Manager(C)-I
GCD, CPWD, Goa.

Correction NIL	Insertion NIL
Omission NIL	Overwriting NIL

AE(P),GCD



Correction NIL	Insertion NIL
Omission NIL	Overwriting NIL

AE(P),GCD