

# CHIPLUN MUNICIPAL COUNCIL CHIPLUN

## E- Tender

for

CONSTRUCTION OF MUNICIPAL OFFICE  
BUILDING AT C.S. NO. 5909 AT CHIPLUN FOR  
CHIPLUN MUNICIPAL COUNCIL, CHIPLUN,  
DIST. RATNAGIRI.



Chief Officer,  
CHIPLUN MUNICIPAL COUNCIL  
CHIPLUN

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**CHIPLUN MUNICIPAL COUNCIL  
CHIPLUN**

**Name of work: -CONSTRUCTION OF MUNICIPAL OFFICE BUILDING AT C.S. NO. 5909 AT  
CHIPLUN FOR CHIPLUN MUNICIPAL COUNCIL, CHIPLUN, DIST. RATNAGIRI.**

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Chief Officer  
CHIPLUN MUNICIPAL COUNCIL  
CHIPLUN

# NOTICE INVITING TENDER

# CHIPLUN MUNICIPAL COUNCIL, CHIPLUN

## E-Tender Notice No. of Year 2026-27

Digitally Signed and unconditional Online tenders in Two Envelope System and in B-1 form (Percentage Rate) for the following work are invited by the Chief Officer, CHIPLUN MUNICIPAL COUNCIL, CHIPLUN from the contractors registered in appropriate Class. with P.W.D. Govt. of Maharashtra, Contractor Registered with C.P.W.D. or M.E.S. or Indian Railway or M.E.S or M.I.D.C. or M.J.P. or B.P.T. or M.C.G.M in appropriate class will be also eligible for tendering, subject to production of the solvency certificate to the extent of 20 % of the estimated cost put to tender. The Tender documents are available on the website given below from / /2026 on 10.00 hrs.

Sr. No	Name of Work	Estimated Cost ( In Rupees)	Cost of Blank Tender (Rupees)	E.M.D. 1% (In Rupees)	S.D. 2% ( In Rupees)	Registration Class	Time Limit
1	Construction Of Municipal Office Building At C.S. No. 5909 At Chiplun For Chiplun Municipal Council, Chiplun, Dist. Ratnagiri. ( Estimated Cost Including GST & All Taxes 13,37,12,624/- )	10,43,63,047/-	10000/- (Inclusive of GST) ( Non refundable )	10,43,630/-	20,87,260/-	Open	24 Months (Including Monsoon )

Those contractors who are participating in e-Tendering at first time will have to get Login ID & password from the above portal.

For any information and help for the uploading & downloading e-tender, bidder may contact the service provider on contact no. 9404909041

All the information about E- Tendering is available on portal website [www.mahatenders.gov.in](http://www.mahatenders.gov.in)

Tender No.- 21

Date :-02/05/2026

S.D./-  
CHIEF OFFICER,  
CHIPLUN MUNICIPAL COUNCIL  
CHIPLUN

Contractor

No. of Corrections

Chief Officer

# DETAILED TENDER NOTICE

Contractor

No. of Corrections

Chief Officer

## **CHIPLUN MUNICIPAL COUNCIL, CHIPLUN**

### **DETAILED TENDER NOTICE**

Digitally Signed & unconditional online tenders in Two Envelope System and in form B-1 (percentage of rate) are invited by the Chief Officer, CHIPLUN MUNICIPAL COUNCIL, CHIPLUN Dist: - Ratnagiri State: - Maharashtra from any of the following contractors for the work as mentioned in subsequent paragraph.

1. The Contractors Registered with the P.W.D Maharashtra Govt. in Appropriate Class.
2. The Contractors of C.P.W.D. or M.E.S. or Indian Railway or M.E.S or M.I.D.C. or M.J.P. or B.P.T. or M.C.G.M Registered in corresponding appropriate class with reputed institutions. Although the registration with Govt departments is required, contractors should also possess requisite experience in similar type of work along with specialised work.
3. The contractor should upload scanned copy of undertaking duly notarized stating that his / their firm is not blacklisted in Govt. / Semi Govt. Institutions / CMC on Rs. 100/- Stamp Paper along with application for blank e-tender documents.
4. All the Contractors will be required to upload scanned copy of Banksolvency certificate to the extent 20% of the estimate cost at the time of application. Solvency certificate shall be issued by Nationalized Bank or Scheduled Banks with validity of one year shall be considered for tender process within its validity period.
5. The tenders will be received only online on above mentioned GOM's E-Tendering portal and will be opened on the same day or hence after (if possible) by the Chief Officer Chiplun Municipal Council (on scheduled Tender Opening date). The Bidder Quotating the lower rate (L1) will be considered as the successful bidder.

## 6. Details of Tender

1. Name of Work CONSTRUCTION OF MUNICIPAL OFFICE BUILDING AT C.S. NO. 5909 AT CHIPLUN FOR CHIPLUN MUNICIPAL COUNCIL, CHIPLUN, DIST. RATNAGIRI.
2. Estimated Cost Rs. 10,43,63,047/-
3. E.M.D. (1 %) Rs. 10,43,630/-
4. Security Deposit (2%) for Tender Aggrement Rs. 20,87,260/-
5. Registration (Class) of Contractor Registered but experienced.
6. Time Limit for completion of work 24 (Twnety Four) Months from date of work order. (including Monsoon)

### Online e-Tender schedule

Sr. No.	Details	Start Date	Hrs.	End Date	Hrs.
1	Publication of Tender	2/05/2026		-	
2	Document Download (Sale)	02/05/2026		-	
3	Bid Submission	02/05/2026		26/05/2026	
4	Opening of Technical Envelope	28/05/2026		28/05/2026	
5	Opening of Price Bid	-	-	-	-
5	Prebid Conference is fixed on with Chief Officer, CMC in the office of CMCatCHIPLUN.	12/05/2026	-	-	-

7. Blank tender document and other details can be downloaded from above mentioned eTendering portal <http://mahatenders.gov.in> on payment of Rs. 10000/- (Rs. Ten Thousand Only) inclusive of GST (Non refundable) Tender Document Fee and EMD to be paid via Online E-Payment Gateway mode only.4

### 8. Conditions of Notice Inviting Tender

The Contractor whose tender is accepted will be required to produce to the satisfaction of the Concerned Authority valid and current license issued in his favor under the provision of the contract labor (Regulations and abolition) Act 1970 and in case of failure to do so the acceptance of the tender would be liable to be withdrawn and earnest money forfeited.

Contractor

No. of Corrections

Chief Officer

9. The competent Authority reserves right to accept or reject any or all tenders without assigning any reason therefore.
10. The tenders shall be received online on above mentioned E-Tendering Portal in Two envelopes system.
11. The conditional tender will be rejected.
12. The contractor should make their own arrangement of water supply for construction purpose and testing purpose, the successful bidder/ contractor will have to make its own arrangement for the electric supply required.
13. Validity period of the offer of the tenderer will be 90 days from the opening of the tender.
14. The lowest tenderer will have to submit the rate analysis of all major items if called for.
15. While quoting the offer, the contractor should mention above, below or at par clearly. If nothing is mentioned, the offer will be treated "Below" at the percentage quoted by the tenderer.
16. There is no Escalation clause for this work.
17. The agency should have satisfactorily completed (start to finish) as a main contractor at least one similar type of work amounting to Rs.8,00,00,000/- (Rupees Eight Crore Only) during last five years. Attested copy of certificate to that effect from concerned department is required to be produced at the time of submission of application for tender.
18. Bids for joint venture will not be accepted.
19. Applicant should upload attested scanned photocopies of all documents & produce in Original on request by CMC at any stage after Tender opening.
20. The Tenderer / Bidder quoting more than 5% below the estimated cost shall invariably submit additional sealed envelope, containing the documents listed at Sr.No.(a) to (d) below, to the office of Chief Officer CMC, after last date of bid submission and prior to date of opening of tender.
- (a) Original FDR / Demand Draft / Pay order of Additional Security Deposit (ASD), issued by any Nationalized Bank in the Payable at CHIPLUN duly discharged in favour of 'CMC, CHIPLUN '
- (b) Rate analysis along with proper technical justification for quoting below the estimated cost.
- (c) Confirmation letter from the respective Nationalized Bank about issuing FDR / Demand Draft / Pay Order for Additional S.D. amount towards the subjected work.

(d) Original undertaking for FDR / Demand Draft / Pay Order on company's letter head of the company, as per format. Format for undertaking for demand drafts/s on letter head, as per annexure -1 of this Tender.

(e) The additional sealed envelope mentioned above shall be submitted by tenderer / bidder, physically in the office of the Chief Officer after last date of bid submission and prior to date of opening of tender. The tenderer / bidder quoting less than 5% below shall submit sealed envelope with NIL Report. (format attached of page No. 47 of Tender document)

(f) The 1<sup>st</sup> Envelope (Technical bid) and 2<sup>nd</sup> Envelope (offer document) shall be opened on-line, as per prevailing procedure and there after, additional sealed envelope (ASD & documents) received physically shall be opened.

(g) In case of tender/ bids with offer more than 5% below of the estimated cost; if the sealed envelope of ASD referred above is not submitted physically by the Tenderer/ Bidder with all documents mentioned above at point no.1 (a to d for additional sealed envelope) are not found in the envelope; then such tender will be rejected outright. Such rejected tenders shall be termed as conditional / non-responsive tender. In such cases, any correspondence made by the Tenderer/ Bidder will not be entertained. Also, in such cases, Earnest Money Deposit (EMD) amount will be forfeited.

(h) The Tenderer / Bidder must upload details of ASD in the format as mentioned in Tender notice, such as name of bank, DD (ASD) no., Tender No., Name of Vendor, due date of submission of tender etc. before the stipulated date & time of Bid submission (Do not upload soft copies of scanned DDs' of ASD's in online submission). (format attached of page No. 47 of Tender document)

(i) The Agency submitting the tender shall give undertaking in envelope No.1 on their letterhead details of work in hand or in progress, which is/are more than 10% below the estimated cost.

(j) For the works quoted more than 5% below the estimated cost, the tenderer(s) shall also submit Pro forma 2A in Envelope No.1 and also to be uploaded along with the bid. If not submitted, the Bidder/ Tenderer will be disqualified from the bidding process. (Format attached of page No. 47of Tender document)

22(a) The Contractor quoting upto 10% below the estimated cost, shall submit demand draft of 1% of estimated cost put to tender towards performance security other than security deposit mentioned in the tender notice. The demand draft shall be submitted in separate sealed envelope. The demand draft should be in favor of 'CMC' payable at CHIPLUN.

23 (b) If offer quoted is more than 10% below the estimated cost, then such bidder /agency shall submit demand draft of amount which shall be worked out as (Quoted offer in % - 10%)+ 1%) of estimated cost put to tender. For Example, if the is 14% below, the performance security to be paid will be (14%-10%) + 1% i.e. total 5% of estimated cost. The demand draft shall be submitted in separate sealed envelop. The demand draft should be in favour of 'CMC' payable at CHIPLUN.

24. Earnest Money as mentioned above against the work is to be paid Online via E-Payment Gateway mode only. E.M.D. Exemption is not allowed.

25. The amount of earnest money shall be forfeited in case where the tender is accepted but the bidder/ contractor fail / fails to complete the contract documents and pay the amount of Security Deposit noted against the work within specified time which would be intimated in the letter of acceptance.

26. The Competent Authority may at its discretion defer the cancellation of the tender if the contractor pays interest on the amount of security deposit or any part thereof as remained unpaid within specified period at the rate of 20% per annum until the whole of such amount of security deposit has been paid.

27. Decision of tenders will vest with the CMC who reserves the right of rejecting any or all the tenders without assigning any reasons for doing so.

28. The offer of the tenderer shall be binding for a period of 90 days from opening date of e-Tender.

29. A statement showing names of partners, Directors, etc. of the firm with complete address of each should be uploaded to the e-Tender and authorize person on behalf of firm should sign tender using digital signature certificate of his or her name to do so (Joints Ventures are not allowed).

30. The tenders which are not accompanied by necessary information vide item 10 & 11 will be rejected without assigning any reasons for doing so.

31. The contractors/s on the approval of the competent authority may pay initial 50 % security Deposit at the time of signing of contract by DD and remaining half amount of Security Deposit can be recovered as deduction from Contractors/s R.A. Bills.

32. The lowest tenderer shall be required to pay the Stamp duty for the execution of the contract agreement with the 'CMC' according to Govt. rules and scale in force

33.(a) The stamp duty will be 0.3 % of the Estimated Cost.

34. The rate of Stamp duty is subject to adjustment confirmation by the local stamp office and the contractor shall be bound to pay such modified rate as may be confirmed by the local stamp office.

35. The contractor/s whose tender is accepted shall be required to furnish a Surety Bond of an amount equivalent to the Security Deposit required as per stipulations of tender on regular stamp paper of Rs. 100/- (Rupees one hundred only) The contractors/s tendering for the work is/are required to take this fact into consideration while tendering



Murum etc. in the tender rates. Contractor will have to produce documentary evidence to the Chief Officer, as regards payment made by the Contractor to Revenue Department towards royalty charges. If such documentary evidence is not produced, the component of royalty charges as contemplated in the tender item will be deducted through running payments.

**42.**The acceptance of tender will be intimated telephonically or otherwise by the authority competent to accept the tender to the Contractor/s, which shall be deemed to be an intimation of the tender given by the Authority Competent to accept the tender.

**43.** The lowest tenderer/bidder shall be equally responsible for executing / completing the work as per specifications and if any decision of consumer / any Hon. court is received regarding quality of work then the judicial decision will be binding on the Contractor for rectification.

**44.**CMC reserves the right to verify financial transaction of Contractor in his Bank / Financial Institutions. Contractor should give authority to that effect along with his accounts number & Bank / Financial Institutions name & address. Any changes / modification may be communicated to CMC immediately.

**45.**As mentioned in the Notice Inviting Tender, at present the scope of work consists of similar type. However exact work may change as per the prevailing conditionsatsitewhich, will be informed in writing at the time of issuing letter of acceptance. The amount of Security Deposit shall remain same as per Notice Inviting Tender i.e. change in scope of work will not have any effect on the amount of S.D.

**A)** In case of reduction in work, notwithstanding to the provisions of Clause 15 of theB-1 agreement, the bidder will not be entitled to the claim of what so ever nature on account of reduction in the scope of work.

**B)** In the case the demand is subsequently increased than Number of work as per the work order, then the bidder is bound to develop the additional work, at the same quoted rates & terms & conditions of this tender, subject to provision that the total of number of work in the work order and those ordered subsequently to be developed additionally shall not exceed the number of work mentioned in the Notice Inviting Tender. The decision of increase in the scope of work will be communicated in writing to the contractor by Engineer-in-charge as the need arises. In such case, the bidder may be allowed time extension to complete the work so ordered without entitlement of any claim of what so ever nature on such account.

**46.** The Bidder will be eligible to submit the e-tender who meets the minimum qualification criteria only if his/their available bid capacity is more than total value of the work for which he



**50. WATCH AND WARD:**

Watch and Ward charges shall be borne by the contractor for initial period of ONE years after completion of the work and shall be payable by the CMC for the period beyond ONE years after completion watch & ward of the work and for such period for which the contractor shall be asked to provide watch and ward and shall be paid at the rates approved by CMC. It is responsibility of contractor to obtain completion certificate NOC from local bodies this shall be consider as completion of work.

**51.** As per Maharashtra State Government resolution of Industry, Energy & Labour department No. BLA/2009/CR-108/Labour, 7-A dated 17 June 2010, the Worker welfare cess amounting to 1 % or as applicable of gross bill amount shall be deducted from each bill

**53.** The contractor shall make provision of Mobile toilet on project site at their own expense. Also contractor should mobilise the site by providing a portabl cabin as site office with 3 office table and chairs, cupboards, and necessary equipments like high configuration computer and A4 size lazor printer, drinking water arrangement to facilitate consultant's engg, Municipal Engg on site.

**54. Solvency certificate**

(a) All Contractors/Bidders shall submit Solvency certificate of amount of 20% of Estimated cost put to tender in Technical bid.

(b) Solvency certificate shall be issued by Nationalized Bank or Scheduled Banks with validity of one year shall be considered for tender process within its validity period.

(c) Lowest bidder, whose tender is accepted, shall be able to get extended Solvency certificate up to actual completion date / stipulated time period, whichever is later.

(d) The tender of Contractor / Bidder shall not be opened, if solvency certificate is not submitted.

**55. Performance Security** (Only in case of tenders with bidding of upto 10% below Estimated cost put to tender)

(a) If offer quoted is up to 10% below Estimated cost, then Agency shall submit Demand Draft of 1% of Estimated cost put to tender, towards performance security other than Security deposit mentioned in Tender notice. The copy of Demand Draft shall be scanned /uploaded with E-tender in Financial Bid.

(b) If offer quoted more less than 10% below Estimated Cost, then Agency shall submit Demand Draft of amount which shall be worked out as “ (Quoted offer in % - 10% ) + 1% of Estimated cost put to tender. For example, if offer is 14% below. Than performance Security to be paid will be (14% - 10%) + 1% i.e. Total 5% of Estimated cost. “ (Quoted offer Above in 15% ) of Estimated cost put to tender Considered Each One Percentage get double . For example, if offer is 16% below. Than performance Security to be paid will be (16% - 15%) + 1% i.e. Total 2 % + 6% = 8% and as follow of Estimated cost. The copy of Demand Draft shall be submitted with Work Aggrement.

(c) Regarding Demand draft towards performance security, following guidelines are issued.

(i) Demand Draft of performance security shall be issued in favour of **Chief Accounts Officer, CMC.**

(ii) Demand draft shall be issued by Nationalized Bank or Scheduled Bank, within Maharashtra State.

(iii) The maturity date of Demand Draft shall be at least 2 Years from date of submission of E-tender.

(iv) The MICR and IFSC code shall be mentioned on Demand draft.

**56. Modifications in Tendering Process –**

Contractor	No. of Corrections	Chief Officer
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- a) Physical Submission of Sealed Envelope, prior to tender opening –
  - i) The original Demand draft of performance security and original Solvency certificate shall be submitted in Sealed Envelope. along with Bank confirmation letter and forwarding letter on Agency’s letter head etc., physically, to the Chief Officer, prior to tender opening and after last date of submission of E-tender.
  - ii) The Bidders, who have not quoted less amount (% below) than Estimated cost shall submit sealed envelope physically with original Solvency certificate and forwarding letter on Agency’s letter head, prior to tender opening and after last date of submission of E-tender.
- b) The Technical bid (online) shall be opened first, thereafter, sealed envelope (received physically) shall be opened and finally, financial bid will be opened online
- c) If, documents in Technical bid and sealed envelope are found improper/incomplete, then, financial bid of such bidder/Agency shall not be opened and such tender shall be rejected outright.
- d) Demand Draft of Agencies other than first two lowest bidders shall be returned within 7 days from Tender opening.
- e) Wherever the offer quoted by lowest Agency (Contractor) is more less than 10% below Estimated Cost put to tender, Rate analysis justifying his quoted offer shall be submitted by lowest bidder and the officer calling tenders shall ensure that Agency is able to complete work within tendered amount.

57. All the NOC related to the project viz occupancy certificates, fire Noc, airport authority, environmentclearance etc. whichever applicable accordingly to the local conditions shall be obtained from concerned authority by the contractor.

58. The contractor shall make his own arrangements of water by providing Bore well for construction work at his own expense. It will be responsibility of contractor to hand over this bore well in good condition after completion of work to CMC alongwith pumping accessories.

59. Final Bill of Work will be cleared on closing of all outstanding paras of vigilance & Quality Control/ Authority & Technical Audit by Third Party, Quality Monotoring Agency- T.P.Q.M.A appointed by CMC.

**Instructions to the Tenderers for procedure of submission of tender**

Contents of tenders should be prepared & submitted on GOM’s e-Tendering Portal mentioned above in following manner & must be upload below asked documents scanned copies.

- Online Envelope No.1. (T1)**
- 1) Scanned copy of Counter pay in slip or epayment slip given by Bank for EMD.
  - 2) PAN Card, GST Registration Certificate .
  - 3) Scanned copy of Details of works in hand
  - 4) Scanned copy of Details of works completed.
  - 5) Scanned copy of Details of Technical Personnel.
  - 6) Scanned copy of List of machinery & plants.
  - 7) Scanned copy of Details of Litigation.
  - 8) Scanned copy of Registered power of attorney
  - 9) Scanned copy of Other documents as mentioned in Notice Inviting Tender

**Note:-** Pro-forma of statements Serial Nos. 3 to 7 are also provided along with main Tender Booklets (page No. 33 to 51). Tenderers are requested to fill me online forms of statements & encrypt the data using valid Digital Signature certificate issued by any of Government approved Certifying Authority, in envelope 1 given.

**Online Financial cover** Main tender document mentioning the financial offer of the tenderer and minuets of pre-bid meeting.

**No.2. Tenders not received in above referred manner will to be rejected forthwith.**

**Procedure for Tender opening**

Tender will be opened online by competent authority on prescribed date given in Tender Schedule. Online E.M.D. scrutiny will be done first and uploaded documents by contractors will be opened against the tender requirements mentioned above. If contents are not as per requirements, online financial bid may not be opened.

## **LIST OF DOCUMENTS TO BE SUBMITTED ALONG WITH THE BID AND METHODOLOGY OF BID SUBMISSION**

The following documents should be submitted by the bidder along with sealed bid

1. Attested legible copy of valid registration certificate if any (NotMandetary).
2. Attested legible copy of PAN CARD issued by Income Tax Department.
3. Statement showing all works previously executed in the last five years. -Statement-1
4. Statement showing all works in hand - Statement- 2
5. Statement showing details of technical personnel available with bidder for the work for which the bid is submitted, - Statement-3
6. Statement showing machinery available with the Bidder which will be used at the work - Statement-4 Where the machinery is not owned by the bidder he should attach a letter of the Owner to place the machinery at the disposal of the bidder.
7. Statement showing information on Litigation history in which bidder is involved. - Statement -5
8. Statement showing all works tendered for. - Statement-6
9. Earnest Money receipt in the prescribed forms.
10. Attested legible copy of Licence having registered with Assistant Commissioner of labour as per Contract-Labour (Regulation& Abolition) Rules 1970. And the Maharashtra Contract-Labour (Regulation& Abolition) Rules 1970.
11. Attested legible copy of partnership deed/Memorandum and Articles of Associations as the case may be, if the bidder is partnership firm or a joint company.
12. Attested legible copy of M-VAT Act 2002/ GST Registration Certificate.
13. Consents letter of Registered electrical contractor (Registered under the appropriate class in PWD, Electrical) 'C' class and above.
14. Consent letter of Registered Plumber.

15. Forwarding letter along with list of all documents, forms statements conditions etc.

16. Solvency certificate shall be issued by Nationalized Bank on scheduled bank with validity of one year shall be considered for tender process within its validity.

**Note:** Tenders shall have to submit the required information mentioned above at S.No.3,4,5,6,7 & 8 in prescribed format, otherwise the tender will not be opened and rejected without giving any reason.

**Signature of Contractor**

**Sd/-  
Chief Officer  
Chiplun Municipal Council  
Chiplun  
Dist: - Ratnagiri**

Contractor

No. of Corrections

Chief Officer

# SIX STATEMENTS

Contractor

No. of Corrections

Chief Officer

1) STATEMENT SHOWING ALL WORKS PREVIOUSLY EXECUTED (in last 5 years)

Name of tenderer/s M/s. ....

Sr. No.	Department / Organization awarding the work	Name of Work	Value of the total Work	Specified Period of Completion and Actual Period for completion.		Remarks (tenderer to indicate any recognition for completing works early fines, penalties for delays and reasons for delays)
				Specified	Actual	
1.	2.	3.	4.	5 (A)	5 (B)	6

( Signature of tenderer with seal )

2) STATEMENT SHOWING ALL WORKS IN HAND ON THE DAY OF TENDERING

Name of tenderer/s M/s. ....

Sr. No.	Name of Work	Department / Organisation awarding the work	Value of the total Work Done	Value of Residual Work remaining to be completed.	Original Date of Completion	Remarks (tenderer to indicate any recognition for completing works yearly fines, penalties for delays and reasons for delays)
1.	2.	3.	4.	5	6	7

( Signature of tenderer with seal )

3 ) STATEMENT SHOWING DETAILS OF TECHNICAL PERSONNEL AVAILABLE WITH THE  
TENDERER / CONTRACTOR FOR THE WORK TENDERED FOR

Name of tenderer / contractor/s M/s. ....

Sr. No.	Name	Qualification	Details of Length of Service with the tenderer	Previous experience	Remarks
1.	2.	3.	4.	5.	6.

( Signature of tenderer with seal )

4 ) STATEMENT SHOWING DETAILS OF EQUIPMENTS IN POSSESSION OF TENDERER

Name of tenderer/s M/s. ....

Sr. No.	Details of Equipment	No. of Equipments and Registration No.	Kind of make	Ownership of the Equipment	Capacity	Age of Machinery	Present Value and Condition of Machinery	Present Location	Remark
1.	2.	3.	4.	5.	6.	7	8	9	10

( Signature of tenderer with seal )

5 ) STATEMENT SHOWING INFORMATION ON LITIGATION HISTORY IN WHICH TENDERER IS INVOLVED

Name of tenderer/s M/s. ....

Other party(ies)	Employer	Cause of dispute	Amount involved	Remarks showing present status
1.	2.	3.	4.	5.

( Signature of tenderer with seal )

6 ) STATEMENT SHOWING ALL WORKS TENDERED FOR

Name of tenderer/s M/s. ....

Sr. No.	Department/Organizati on awarded the work	Name of Work	Amount involved Remarks showing present status		Position of Quotation	Probable Date of		Remark
			For Tender	Per Quotation		Commencem ent of Work	Completion of Work	
1.	2.	3.	4.	5.	6	7	8	9

( Signature of tenderer with seal )

**Proformas to be submitted by the Tenderer before  
Tender opening**

## Proforma Annexure – I

I hereby submit FDR/Demand Draft /Pay order bearing no. \_\_\_\_\_  
dated \_\_\_\_\_ drawn from the Bank \_\_\_\_\_ Branch  
\_\_\_\_\_ Along with the tender for the work of \_\_\_\_\_  
\_\_\_\_\_ towards Additional S.D.

Signature of Tenderer \_\_\_\_\_

Name of Tenderer M/s. \_\_\_\_\_

Address of Tenderer - \_\_\_\_\_

\_\_\_\_\_



## Proforma 2A

Discription of Work	Place	Name and Address of Department	Value of Contract in Rs.	Time Period	Date of which decision is expected	Remarks
1	2	3	4	5	6	7

Signature of Tenderer \_\_\_\_\_

Name of Tenderer M/s. \_\_\_\_\_

Address of Tenderer - \_\_\_\_\_

\_\_\_\_\_

# UNDERTAKING & DECLARATION OF CONTRACTOR



# B-1 AGREEMENT FORM

CHIPLUNMUNICIPALCOUNCIL,

CHIPLUN

=====  
Percentage Rate tender Contract for Works  
=====

General Rules and Directions for Guidance of Contractors

(1) All work proposed to be executed by contract shall be notified in a form of invitation to tender pasted on a board hung up in the office of the Chief Officer and signed by the Chief Officer.

This form will state the work to be carried out as well as the date for submitting and opening tenders, and time allowed for carrying out the work; also the amount of earnest money to be deposited with the tender, and amount of security deposit to be deposited by successful tenderer and the percentage if any to be deducted from bills. It will also state whether a refund of quarry fees, royalties, and ground rents will be granted. Copies of the specifications, designs and drawings and estimated rates, schedule rates, and any other documents required in connection with the work shall be signed by the Chief Officer for the purpose of Identification, shall also be open for inspection by contractors at the office of the Chief Officer during office hours.

Where the works are proposed to be executed according to the specification recommended by contractor and approved by competent authority on behalf of CMC such specifications with designs and drawing shall form part of the accepted tender.

Contractor            No. of Corrections Chief Officer

(2) In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner it shall be signed on his behalf by a person holding power of attorney authorizing him to do so.

2 (A) (i) The contractor should pay along with the Tender **Rs.10,43,630/-** as and by way of earnest money. The payment should be made by the form of e-payment.

(ii) In the event of his Tender being accepted, subject to provision of sub-clause (iii) below, the said amount of earnest money shall be appropriated towards the amount of security deposit payable by him under conditions of General Conditions of Contract.

(iii) If, after submitting, the tender, the contractor withdraws his offer, or modifies the same or if after the acceptance of his tender the contractor fails or neglects to furnish the balance of security deposit, without prejudice to any other rights and powers of the CMC shall be entitled to forfeit the full amount of the earnest money deposited by him.

iv) In the event of his Tender not being accepted, the amount of earnest money deposited by the contractor shall, unless it is prior thereto forfeited under the provisions of sub clause (iii) above, be refunded to him on his producing receipt thereof.

Contractor                      No. of Corrections Chief Officer

3) Receipt for payments made on account of any work, when executed by a firm, shall also be signed by all the partners except where the contractors are described in their tender as firm, in which case receipt shall be signed in the name of the firm by one of the partners or by some other person having authority to give effectual receipts for the firm.

4) Any person who submits a tender shall fill up the usual printed form stating at what percentage above or below the rates specified in Schedule B (memorandum showing items of work to be carried out) he is willing to undertake the work. Only one rate or such percentage on all the estimated rates shall be named Tender which purpose any alteration in the works specified in the said form of invitation to tender, or in the time allowed for carrying out the work or which contain any other conditions, will be liable to rejection. No printed form of tender shall include a tender for more than one work.

(5) Chief Officer,CMC shall open tenders in the presence of contractors who have submitted tender or their authorized representatives who may be present at the time and he will enter the amounts of the several tender in a comparative statement in a suitable form in the event of a tender being accepted the contractor shall for the purpose of identification sign copies of the specifications and other documents mentioned in Rule 1. in the event of a tender being rejected, Hon Chief Officershallauthorize the Chief Accountant Officer concerned to refund the amount of the earnest money deposited to the contractor making the tender, on hisgiving a receipt for the return of the money.

Contractor            No. of Corrections Chief Officer

(6) The Officer competent to dispose of the tenders shall have the right rejecting all or any of tenders.

(7) No receipt of any payment alleged to have been made by a contractor in regard to any matter relating to his tender or the contract shall be valid and binding on CMC unless it is signed by the Chief Officer.

(8) The memorandum of work to be tendered for and the schedule of material to be supplied, by the CMC and their rates shall be filled in and completed by the office of the Chief Officer before the tender form is issued. If a form issued to an intending tenderer has not been so filled in and completed he shall request the said office to have his done before he completes and delivers his tender.

(9) All work shall be measured net by standard measure and according the rules and customs of the CMC without reference to any local custom.

(10) Under no circumstances shall any contractor be entitled to claim enhanced rates for any items in this contract.

(11) Contractor has to produce along with his tender a solvency certificate from the Collector of the District within which he resides or a bankers certificate of his financial stability. If he fails to produce such a certificate his tender will not be considered.

Contractor                      No. of Corrections Chief Officer

(12) All corrections and additions or pasted slip should be initialed.

(13) The measurements of work will be taken according to the usual method in use in the CMC and no proposals to adopt alternative methods will be accepted. The Chief Officer's decision as to what is the usual method in use in the CHIPLUN MUNICIPAL COUNCIL will be final.

(14) The tendering Contractor shall furnish a declaration along with the tender showing all works for which he has already entered into contract and the value of the work that remains to be executed in each case on the date of submitting the tender in the form of stat. No. I.

(15) Every tenderer shall submit along with tender information regarding the income tax circle, or ward of the district in which he is assessed to income tax the reference to the number of the assessment and the assessment year and a valid Income tax Certificate.

(16) In view of the difficult position regarding the availability of foreign exchange, no foreign exchange would be released by the Department for the purchase of Plant and machinery required for the execution of work contracted for.

(17) The contractor will have to construct shed for storing controlled and valuable materials issued to him under Schedule 'A' of Agreement, at work site, having double locking arrangement. The materials will then be taken for use in the presence of the Departmental person. No materials will be allowed to be removed from the site of works.

(18) The contractors shall also give a list of machinery in their possession and which they propose to use on the works in the form of stat. No. 4.

Contractor                      No. of Corrections Chief Officer

(19) True copy of latest Income Tax Clearance Certificate should be attached to the tender.

(20) Contractors should produce evidence of their registration in appropriate (valid on the date of submission of tender) if available otherwise the tender will not be considered.

TENDER FOR WORKS

I / We hereby tender for the execution for the CHIPLUNMunicipalCOUNCIL (herein before and hereinafter refer to as In figure as well CHIPLUNMUNICIPALCOUNCIL) of the work specified in the tender as in words. written memorandum within the time specified in such memorandum at ..... %Percent below / above the estimated rates entered in schedule B (memorandum showing items of work to be carried out) and in accordance with all respects with the specifications designs drawing and instructions in writing referred to Rule I hereof and in Clause 12 of the annexed conditions of contract and agree that when materials for the work are provided by the CMC such materials and the rates to be paid for them shall be as provided in Schedule A hereto.

Contractor            No. of Corrections Chief Officer

MEMORANDUM

- |     |  |  |  |
|-----|--|--|--|
| (a) | General Description  | CONSTRUCTION OF MUNICIPAL OFFICE BUILDING AT C.S. NO. 5909 AT CHIPLUN FOR CHIPLUN MUNICIPAL COUNCIL, CHIPLUN, DIST. RATNAGIRI. | a) If several sub works are included they should be detailed in a separate list.   |
| (b) | Estimated Cost   | Rs.10,43,63,047/-  |  |
| (c) | Earnest money  | <b>Rs.10,43,630.00</b>   | c) The amount of earnest money to be deposited shall be in accordance with the provisions of paras 206 and 207 of the P.W.D. manual.   |
| (d) | Security deposit   |  | d) This deposit shall be in accordance with 213 and 214 of the P.W.D. manual.  |
|     | (i) Cash (not less than the amount of earnest money)   | <b>Rs.20,87,260.00</b>   |  |
|     | (ii) To be deducted from current bills   | <b>Rs. 73,05,413.00</b>  |  |
|     | Total  | <hr/> <b>Rs.1,04,36,303.00</b>   |  |
| (e) | Percentage if any, to be deducted from bills so as to make up the total amount required as security deposit by the time half the work as measured by the cost is done at 10 % (ten percent). |  | e)This percentage where no security is taken will vary from 5% to 10% according to the requirement of the case where security deposit is taken. See note to Clause 1 of condition of contract. |
| (f) | Time allowed for the work from date of written order to commence vide No..... 24(Twenty Four) MonthsFrom<br>.....To. ....  |  | Give schedule where necessary showing date by which the various items are to be completed.   |

Contractor                      No. of Corrections Chief Officer

Should this tender be accepted I/we hereby agree to abide by and fulfill all the terms and provisions of the conditions of contract annexed hereto so far as applicable and in default thereof to forfeit and pay to CHIPLUN Municipal COUNCIL the sums of money mentioned in the said conditions.

\* Amount to be specified in words and figures.

I / We agree that this offer shall remain open for acceptance for a minimum period of 90 days from the date fixed for opening the same and thereafter, until it is withdrawn by me / us by notice in writing duly addressed to the authority opening the tenders and sent by registered post A. D. or otherwise delivered at the office of such authority. The amount of earnest money shall not bear interest and shall be liable to be forfeited by CMC should I/We fail to (1) abide by the stipulation to keep the offer open for the period mentioned above or (2) sign and complete the contract documents as required by the Chief Officer and furnish the security deposit as specified in item (d) of the memorandum contained in Para (i) above within the time limit laid down in clause (1) of the annexed general conditions contract. The amount of earnest money may be adjusted towards the security deposit or refunded to me/us if so desired by me / us in writing unless the same or any part thereof has been forfeited as aforesaid.

Contractor

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I / We have secured exemption from payment of earnest money after executing the necessary bond in favor of the CMC. true copy of which enclosed herewith should any occasion of forfeiture of earnest money for this work arises due to failure on my part to (I) abide by the stipulation to keep the offer open for the period mentioned above (ii) or sign and complete the contract documents and furnish the security deposit as specified in item (d) of the memorandum contained in para (1) of the annexed general conditions of contract, the amount payable me/us at the option of the Chief Officer be recovered out of the amount deposited in lump sum for ensuring exemption in so far as the same may extend in terms of the said bond and in the event of the deficiency, out of any other moneys which are due or payable to me/us by CMC under any other contract or transaction of any nature whatsoever or otherwise.

Contractor .....  
 Address .....  
 Dated the .....day of .....  
 (Witness) .....  
 (Address) .....  
 (Occupation) .....

\* Signature of contractor before submission of tender.

\* Signature of witness to contractors signature

The above tender is hereby Executed and accepted by me for and on behalf of the CHIPLUN MUNICIPAL COUNCIL.

\* Signature of the officer by whom accepted

Chief Officer  
 CHIPLUN Municipal COUNCIL,  
 CHIPLUN

Dated .....day of .....

Contractor                      No. of Corrections      Chief Officer

### Conditions of Contract

Clause No. 1 :- The person/persons whose tender may be accepted (hereinafter called the contractor. which expression shall unless excluded by or repugnant to the contest include heirs, executors, administrators and assignees) shall (A) (within one day for a contract of Rs. 1,000 or less or two days for contract of more than 1,000 but less than Rs. 2,000 and so on upto a limit of ten days. Which may be extended by the Chief Officer concerned upto fifteen days, if the Chief Officer thinks it fit to do so, for a contract of over Rs. 10,000 of the receipt by him of the notification of the acceptance of his tender) deposit with the Chief Officer (if deposited for more than 12 months) a sum sufficient which will make up the full security deposit specified in the tender or (B) permit CMC. at the time of making any payment to him for work done under the contract to deduct such sum as will amount to \*10 % percent of all money so payable such deductions to be held by CMC. (by way of security deposit) provided always that in the event of the contractor depositing the lump sum by way of security deposit as contemplated at (A) above then and in such case, if the sum so deposited shall not amount to \* 2 % percent of the total estimated cost of the work, if shall be lawful for CMC. at the time of making any payment to the contractor for work done under the contract to make up a full amount of 2 % percent by deducting a sufficient sum from every such payment as last aforesaid until the full amount of the security deposit is made up. All compensation or other sum of money payable by the contractor to CMC. under the terms of his contract may be deducted from, or paid by the sale of a sufficient part of his security deposit or from the interest arising there from, or from any sums which may be due or may become due by CMC. to the contractor on any account whatsoever and in the event of his security deposit being reduced by reasons of any such deduction or sale as aforesaid, the contractor shall within 10 days hereafter, make good in cash or CMC. securities endorsed as a aforesaid any sum or sums which may have been deducted from, or raised by sale of his security deposit or any part thereof. The security deposit referred to when paid in cash may, at the cost of the depositor be converted into interest bearing securities provided that the depositor has expressly desired this in writing.

Security deposit

If the amount of the security deposit to be in lump sum within the period specified at (A) above is not paid the tenderer / contractor already accepted shall be considered as canceled and legal step taken against the contractor for recovery of the amounts. The security deposit lodged by a contractor shall be refunded after the expire of three months from the date on which the final bill is paid, or after the expire of the date up to which the contractors has agreed to maintain the work in good order whichever is later. The security deposit sum so lodged by the contractor shall be returned to him on the expiry of the period of guarantee mentioned in Clause 20 after deducting there from the amount of expenses, if any due to CMC. under this agreement.

If the contractor desires in writing for refund of security deposit after completion of the work the same shall be refunded on expire of three months from the date of payment of final/bill after obtaining from him an indemnity bond as well as a bank guarantee of equal amount for the maintenance period 1 year from the date of completion of the work.

Clause No.2 :- The time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor and shall be reckoned from the date on which the order to commence work is given to the contractor. The work shall through out the stipulated period of the contract be proceeded with, with all due diligence ( time being deemed to be of the essence of the contract on the part of the contractor) and the contractor shall pay as compensation an amount equal to one percent or such smaller amount as the Chief Officer (Whose decision in writing shall be final) may decide of the amount of the estimated cost of the whole work as shown by the tender for everyday that the work remains uncommenced, or unfinished after the proper dates. And further to ensure good progress during the

\* This will be the same percentage as that in tender at (e).

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execution of the work, contractor shall be bound in all cases in which the time allowed for any work exceeds one month to complete

¼ of the work in ¼ of the time

½ do ½ do

¾ do ¾ do

Full work 18 months

and abide by the program of the detailed progress laid down by the Chief Officer.

The following proportions will usually be found suitable :-

In ¼, ½, ¾ in time

Reasonable progress earth work 1/6, 1/2, 3/4 of the Total value of the work to be done.

Do Do of masonry work 1/10, 4/10, 8/10, Do Do

In the event of contractor failing to comply with this condition he shall be liable to pay as compensation an amount equal to one per cent or such smaller amount as the Chief Officer(Whose decision in Writing shall be final) may decide of the said estimated cost of the whole work for every day that the due quantity of work remains incomplete. Provided always that the total amount of compensation to be paid under the provision of this clause shall not exceed 10 percent of the estimated cost of the work as shown in the tender.

Compensation for delay.

Clause No. 3 :- In any case in which under any clause or clauses of this contract the contractor shall have rendered himself liable to pay compensation for delay amounting to the whole of his security deposit (whether paid in one sum or deducted installments) or in the case of abandonment of the work owing to serious illness or Death of the contractor or any other cause the Chief Officer on behalf of the CMC. shall have power to adopt any of the following courses, as he may deem best suited to the interest of CMC.

Action when whole of security deposits is forfeited.

(a) to rescind the contract (of which rescission notice in writing to the contractor under the head of the Chief Officershall be conclusive evidence) and in that case the security Deposit of the contractor shall stand forfeited and be absolutely at the disposal of CMC.

(b) To carry out the work or any part of the work departmentally debiting the contractor with the cost of the work , expenditure incurred on Tools and plant and 10% supervision charges on additional supervisory staff including the cost of work charged establishments employed for getting the unexecuted part of the work . completed and crediting him with the value of the work done departmentally in all respects in the same manner and at the same rates as if it had been carried out by the contractor under the terms of his contract . The certificate of the Chief Officer as to the cost and other allied expenses so incurred and as to the value of the work so done departmentally shall be final and conclusive against the contractor.

c) To order that the work of the contractor be measured up and to take such part thereof as shall be unexecuted out of his hands and to give it to another contractor to complete, in which case all expenses incurred on advertisement for fixing a new contracting Agency, additional supervisory staff including the cost of work charged establishment and cost of the work executed by the new contract agency will be debited to the contractor and the value of the work done or executed through the new contractor shall be credited to the contractor in all respects and in the same manner and at the same rates as if had been carried out by the contractor under terms of his contract. The certificate of the Chief Officer as to all costs of the work and other expenses incurred as aforesaid for this or in getting the unexecuted work done by the new contractor and as to the value of the work so done shall be final and conclusive against the contractor.

In case the contract shall be rescinded under clause (a) above the contractor shall not be entitled to recover or be paid any sum for any work therefore actually performed by him under this contract unless and until the Chief Officershall have certified in writing the performance of the such work and the amount payable to him in respect thereof and he shall only be entitled to be paid the amount so certified. In the event of either of course referred to in clauses (b) or © being adopted and the cost of the work executed departmentally or through a new contractor and other allied expenses exceeding the value of the such work credited to the contractor, the amount of excess shall be deducted from any money due to

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the contractors by CMC under the contract and otherwise howsoever or from his security deposit or the sale proceeds thereof provided however that the contractor shall have no claim against CMC even if the certified value of the work done departmentally or through a new contractor exceeds the certified cost of such work and have allied expenses; provided always that whichever of the three courses mentioned in clause (a), (b) or (c) is adopted by the Chief Officer, the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials, or entered into any engagements, made any advances on account of or with a view to the execution of the work or the performance of the contract.

Clause No. 4 :- If the progress of any particular portion of the work is unsatisfactory the Chief Officer shall notwithstanding that the general progress of work is in accordance with the conditions mentioned in clause 2 be entitled to take action under clause 3(b) after giving the contractor 10 days notice in writing. The contractor will have no claim for compensation for any loss sustained by him owing to such action.

Action when the progress of any particular portion of the work is unsatisfactory.

Clause No. 5 :- In any case in which any of the powers conferred upon the Chief Officer by clauses 3(b) and 4 hereof shall have become exercisable and the same shall not have been exercised, the non-exercise thereof shall not constitute a waiver of any of the conditions hereof and such powers shall notwithstanding be exercisable in the event of any future case of default by the contractor for which under any clause or clauses hereof he is declared liable to pay compensation amounting to the whole of his security deposit and the liability of the contractor for past and future compensation shall remain unaffected. In the event of Chief Officer taking action under sub-clause (a) or (c) of clause 3, he may, if he so desires, take possession of all or any tools, plant, materials and stores, in or upon the works or the site thereof or belonging to the contractor, or procured by him and intended to be used for the execution of the work or any part thereof, paying or allowing for the same in account at the contract rates, or in case of contract rates not being applicable at current market rates or in the case of contract rates not being applicable at current market rates, to be certified by the Chief Officer whose certificate thereof shall be final. In the alternative the Chief Officer may after giving notice in writing to the contractor or his clerk of the work, foreman or other authorized agent require him to remove such tools, plant materials, or stores from premises within a time to be specified in such notice, and in the event of the contractor failing to comply with any such requisition, the Chief Officer may remove them at the contractor's expense or sell them by auction or private sale on account of the contractor and at his risk at all respects, and the certificate of the Chief Officer as to the expenses of any such removal and the amount of the proceeds and expenses of any such sale shall be final and conclusive against the contractor.

Contractor remains liable to pay compensation if action not taken under clause 3 and 4.

Power to take possession of or require removal of or sell contractors plant.

Clause No. 6:- If the contractor shall desire an extension of the time for completion of the work on the ground of his having been unavoidably hindered in its execution or on any other ground, he shall apply in writing to the Chief Officer before the expiration of the period stipulated in the tender or before the expiration of 30 days from the date on which he was hindered as aforesaid or on which the clause for asking for extension occurred, whichever is earlier and the Chief Officer, may if in his opinion there are reasonable grounds for granting an extension grant such extension as he thinks necessary or proper. The decision of the Chief Officer in this matter shall be final.

Extension of time

Clause No. 7:- On the completion of the work the contractor shall be furnished with a certificate by the Chief Officer (hereinafter called the Engineer in charge of such completion but no such certificate shall be given nor shall the work be considered to be complete until the contractor shall have removed from the premises on which the work shall have been executed all scaffolding, surplus materials and rubbish, and shall have cleaned off the dirt from all woodwork doors windows, walls, floor or other parts of any building in or upon which the work has been executed or of which he may have possession for the purpose of executing the work, nor until the works shall have been measured by the Engineer in charge or where the measurements have been taken by his subordinate until they have received the approval of the Engineer in charge, the said

Final certificate.

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measurements being binding and conclusive against the contractor. If the contractor shall fail to comply with the requirements of his clauses as to the removal of scaffolding, surplus materials and rubbish and cleaning off dirt on or before the date fixed for the completion of the work the Engineer in charge may at the expense of the contractor, remove such scaffolding, surplus materials and rubbish and dispose of the same as he thinks fit and clean off such dirt as aforesaid and the contractor shall forthwith pay the amount of all expenses so incurred but shall have no claim in respect of any such scaffolding or surplus materials as aforesaid except for any sum actually realized by the sale thereof.

\* Payment on intermediate certificates to be regarded as advances.

Clause No. 8 :- No payment shall be made for any work estimated to cost less than rupees one thousand till after the whole of the work shall have been completed and a certificate of completion given. But in case of works estimated to cost more than one thousand, the contractor shall, on submitting a monthly bill thereof, be entitled to receive payment proportionate to the part of the work then approved and passed by the Engineer in charge whose certificate of such approval and passing of the sum so payable shall be final and conclusive against the contractor. All such intermediate payments shall be regarded as payments by way of advance against the Final payments only and not as payments for work actually done and completed, and shall not preclude the Engineer in charge from requiring any bad, unsound, imperfect or unskillful work to be taken away and reconstructed and reverted nor shall any such payment be considered as an admission of the due performance of the contract or any part thereof in any respect of the accruing of any claim, nor shall it conclude determine, or affect in any other way the powers of the Engineer-in-charge as to the final settlement and adjustment of the accounts or otherwise, or in any other way vary or affect the contract. The final bill shall be submitted by contractor within one month of the date fixed for the completion of the work, otherwise, the Engineer in charge's certificate of the requirements and of total amount payable for the work shall be final and binding on all parties.

Payment of reduced rates on account of items of work not accepted as completed to be at its discretion of the Engineer in charge.

Clause No. 9 :- The rates for several items of works estimated to cost more than Rs. 1,000- agreed to within shall be valid only when the items concerned, is accepted having been completed fully in accordance with the sanctioned specifications. In case where the item of work not accepted as so completed the Engineer-in-Charge may make payment on account of such items at such reduced rates as he may consider reasonable in the preparation of final or on account bills.

Bills to be submitted monthly.

Clause No. 10 :- A bill shall be submitted by the contractor each month on before the date fixed by the Engineer-in-charge for all work executed in the previous month and the Engineer-in-charge shall take or cause to be taken the requisite measurement for the purpose of having the same verified and the claim, so far as it is admissible shall be adjusted, if possible, within ten days from the presentation of the bill. If the contractor does not submit the bill within the time fixed aforesaid, the Engineer-in-Charge may depute a subordinate to measure up the said work in presence of the contractor or his duly authorized agent whose countersignature to the measurement list shall be sufficient warrant, and the Engineer-in-charge may prepare a bill from such list which shall be binding on the contractor in all respects.

Bills to be on printed forms.

Clause No. 11 :- The contractor shall submit all bills on the printed form to be had on application at the office of the Engineer-in-charge. The charges to be made on the bills shall always be entered at the rates specified in the tender or in the case of any extra work ordered pursuant to these conditions and not mentioned or provided for in the tender, at the rates hereinafter provided for such work.

Stores supplied by CMC.

Clause No. 12 :- If the specification or estimate of the work provides for the use of any special description of materials to be specified from the stores of the CMC. or if it is required that the contractor shall use certain stores to be provided by the Engineer-in-charge (such material and stores and the prices to be charged therefor as hereinafter mentioned being so far as practicable for the convenience of the contractor but not so as in any way to control the meaning or effect of this contract specified in the schedule or memorandum hereto annexed) the contractor shall be supplied with such materials and stores as may be required from time to time to be used by him for the purposes of the contract only and the value of the full quantity of the materials and stores so supplied shall be set off or deducted from any sums then due, or thereafter to become due to the contractor under the contract or otherwise, or from the Security Deposit, or the proceeds of sale thereof. If the Security Deposit is Govt.

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Securities the same or sufficient portion thereafter shall in that case be sold for purpose. All materials supplied to the contractor shall remain the absolute property of CMC. and shall on no account be removed from the site of the work and shall at all times be open to inspection by the Engineer-in-charge. Any such materials unused and in perfectly good condition at the time of completion or determination of the contract shall be returned to the CMC. stores, if the Engineer-in-charge so requires by a notice in writing given under his hand, but the contractor shall not be entitled to return any such materials except with consent of the Engineer-in-charge and he shall no claim for compensation on account of any such material supplied to him as aforesaid but remaining unused by him or for any wastage in or damage to any such materials.

\* works to be executed in accordance with specifications, drawings, order etc.

Clause No. 13 :- The contractor shall execute the whole and every part of the work in the most substantial and workmanlike manner and both as regards materials and every other respect in strict contractor accordance with specifications. The contractor shall also confirm exactly, fully and faithfully to the designs drawings and instructions in writing relating to the work signed by the Engineer-in-charge and lodged in his office and to which the contractor shall be entitled to have access for the purpose of inspection at such office or on the site of the work during office hours. The contractor will be entitled to receive three sets of contract drawings as well as one certified copy of the accepted tender along with the work order free of cost. Further copies of the contract drawings if required by him shall be supplied at the rate of Rs. 5000/- per set of contract and Rs. 500/- per drawing except where other wise specified .

\*Alterations in specifications and designs not to invalidate contracts.

Clause No. 14 :- The Engineer-in-charge shall have power to make any alterations, in or additions to the original specifications drawings designs and instructions that may appear to him to be necessary or advisable during the progress of the work and the contractor shall be bound to carry out the work in accordance with any instructions in this connection which may be given to him in writing signed by the Engineer-in-charge and such alteration shall not invalidate the contract and any additional work which the contractor may be directed to do in the manner above specified as part of the work shall be carried out by the contractor on the same condition in all respects on which he agreed to do the main work & at the same rates are specified in the tender for the main work. And if the additional and altered work includes any class of work for which no rate is specified in this contract, then such class of work shall be carried out at the rates entered in the Schedule of rates of P.W.D. of State Government in operation where work is in progress or at the rates mutually agreed upon between the Engineer-in-charge and the contractor whichever are lower. If the additional or altered work for which no rate is entered in the Schedule of rates of the Division is ordered to be carried out before the rates are agreed upon then the contractor shall, within seven days of the date of receipt by him of the order to carry out the work Inform the Engineer-in-charge of the rate which it is his intention to charge for such class of work, and if the Engineer-in-charge dose not agree to this rate he shall by notice in writing be at liberty to cancel his order to carry out such class of work & arrange to carry it out in such manner as he may consider advisable, provided always that if the contractor shall commence work or incur any expenditure in regard there to before rates shall have been determined as lastly herein-before mentioned, then in such case he shall only be entitled to be paid in respect of the work carried out or expenditure incurred by him prior to the date of the determination of the as aforesaid according to such rate or rates as shall be fixed by the Engineer-in-charge. In the event of a dispute, the decision of the Chief Officer of the Circle will be final.

\*Rates for works not entered in estimate for schedule of rates of the districts.

Where, however the work is to be executed according to the designs, drawings and specifications recommended by the contractor and accepted by the competent authority and alterations above referred to shall be within the scope of such designs, drawings and specifications appended to the tender.

\* Extensions of time in Consequence of additions or alterations.

The time limit for the completion of the work shall be extended in the proportion that the increase in its cost occasioned by alterations or additions bears to the cost of the original contract work, and the certificate of the Engineer-in-charge as to such proportion shall be conclusive.

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\* No claim to any payment or compensation for alteration nor restriction of work.

Clause No. 15 :- 1) If at any time after the execution of the contract documents, the Engineer-in-charge shall for any reasons what-so-ever (other than default on the part of contractor for which the CMC. is entitled to rescind the contract) desires that the whole or any part of the work specified in the tender should be suspended for any period or that the whole or part of the work should not be carried out at all he shall give to the contractor a notice in writing of such desire and upon the receipt of such notice the contractor shall forthwith suspend or stop the work wholly, or in part as required after having due regard to the appropriate stage at which the work should be stopped or suspended so as not to cause any damage or injury to the work already done or endanger the safety thereof provided that the decision of the Engineer-in-charge as to the stage at which the work or any part of it could be or could have been safely stopped or suspended shall be final and conclusive against the contractor. The contractor shall have no claim to any payment or compensation whatsoever by reason of or in pursuance of any notice as aforesaid on account of suspension stoppage or curtailment except to the extent specified hereinafter.

2) Where the total suspension of work ordered as aforesaid continued for a continuous period exceeding 90 days the contractor shall be at liberty to with draw from the contractual obligations under the contract so far as it pertains to the unexecuted part of the work by giving a 10 days prior notice in writing to the Engineer-in-charge within 30 days of the expire of the said period of 90 days of such intention and requiring the Engineer-in-charge to record the final measurements of the work already done and to pay the final bill. Upon giving such notice the contractor shall be deemed to have been discharged from his obligation to complete the remaining unexecuted work under this contract. On receipt of such receipt the Engineer-in-charge shall proceed to complete the measurement and make such payment as may be finally due to the contractor within a period of 90 days from the receipt of such notice in respect of the work already done by the contractor. Such payment shall not in any manner prejudice the right of the contractor to any further compensation under the remaining provision of this clause.

3) Where the Engineer-in-charge require the contractor to suspend the work for a period of in excess of 30 days at any time or 60 days in aggregate, the contractor shall be entitled to apply the Engineer-in-charge within 30 days of resumption of work after such suspension for payment of compensation to the extent of pecuniary loss suffered by him in respect of working machinery rendered idle on the site or on the account of his having had to pay a salary or the wages of labour engaged by him during the said period of suspension provided always that the contractor shall not be entitled to any claim in respect of any such working machinery, salary or wages for the first 30 days whether consecutive or in the aggregate of such suspension or in respect of any suspension whatsoever occasioned by unsatisfactory work or any other fault on this part. The decision of the Engineer in this regard shall be final and conclusive against the contractor.

4) In the event of -

\* No claim to compensation on account of loss due to delay in supply of material by CMC.

i) any total stoppage of work on notice from the Engineer-in-charge under sub-clause (1) in that behalf,

ii) withdrawal by the contractor from the contractual obligations to complete the remaining unexecuted work under sub-clause (2) on account of continued suspension of work for a period exceeding 90 days.

iii) Curtailment in the quantity of item or items originally tendered on the account of any alteration, omission or substitutions in the specifications, drawings, designs or instructions under clause 14 (1) where such curtailments exceeds 25 % in quantity and the value of quantity curtailed beyond 25 % of the rates of the item specified in the tender is more than Rs. 5000/-

It shall be open to the contractor within 90 days from the service of (i) the notice of stoppage of work or (ii) the notice of withdrawal from the contractual obligations under the contract on account of the continued suspension of work or (iii) notice under clause 14(1) resulting in such curtailment, to produce the Engineer-in-charge satisfactory documentary evidence that he had purchased or agreed to purchase material for use in the contracted work, before receipt by him of the notice of stoppage, suspension or curtailment and require the CMC. to take over on payment such material at the rates determined by the Engineer-in-charge, provided however such rates shall in no case exceed the rates at which the same was acquired by the contractor.

Contractor

No. of Corrections

Chief Officer

The CMC. shall thereafter take over the material so offered provided the quantities offered are not in excess of requirements of the unexecuted work as specified in the accepted tender and are of quality and specifications approved by the Engineer-in-charge.

Clause No. 15-A :- The contractor shall not be entitled to claim any compensation from CMC. for the loss suffered by him on account of delay by CMC. in the supply of materials entered in schedule A where such delay is caused by -

- (i) Difficulties relating to supply of Rly. wagons.
- (ii) Force majeure
- (iii) Act of God
- (iv) Act of enemies of the republic of India or any other reasonable cause beyond the control of CMC.

In the case of such delay in the supply of materials by CMC. shall grant such extension of time for completion of the works as shall appear to the Chief Officer to be reasonable in accordance with the circumstances of the case. The decision of the Chief Officer as to the extension of the time shall be accepted as final as final by the contractor.

Clause No. 16:- Under no circumstances, whatever shall the contractor be entitled to any compensation from CMC. on any account unless the contractor shall have submitted a claim in writing to the Engineer-in-charge within one month of the cause of the such claim occurring.

ACCOMPANIMENT TO THE GOVERNMENT RESOLUTION,  
PUBLIC WORKS DEPARTMENT NO.CAT / 06 / 04 / 148, Dated 16/05/2005

Clause No. 16 – I PRICE VARIATION CLAUSE- ( NOT APPLICABLE ) :-If during the Operative period of the contract as defined in condition (i) below, there shall be any variation in the Consumer Price Index (New Series) for Industrial Workers for CHIPLUNcentre as per the labour Gazette published by the Chief Officer of Labour, Government of Maharashtra and / or in the wholesale Price Index for all commodities prepared by the Office of Economic Advisor, Ministry of Industry, Government of India, or in the price of Petrol / Oil and Lubricants, and major construction materials like bitumen, cement, steel various types of metal pipes etc. then subject to the other conditions mentioned below, price adjustment on account of

- 1) Labour component,
- 2) Material component,
- 3) Petrol, Oil and Lubricant component
- 4) Bitumen component
- 5) HYSD / TMT and mild steel component,
- 6) Cement component,
- 7) CI and DI pipes component.

calculated as per the formula hereinafter appearing, shall be made. Apart from this, no other adjustments shall be made to the contract price for any reasons whatsoever. Component percentage as given below are as of the total cost of work put to tender. Total of Labour Material and POL components shall be 100 and other components shall be as per actuals.

- 1) Labour Component – K1 (24.51 %)
- 2) Material Component – K2 ( 72.69 %)
- 3) POL Component – K3 (2.80 %)
- 4) Bitumen component - Nil
- 5) HYSD / TMT & Mild Steel Component - (-----)
- 6) Cement Component - (-----)
- 7) C.I. & D.I. Pipe Component - Nil

Note :- If Cement, Steel, Bitumen, C.I. & D.I. Pipes are supplied Schedule 'A', then respective components shall not be considered. Also if particular component is not relevant same shall be deleted.

**1) Formula for the labour component :-**

$$K1 = \frac{L1-L0}{100} \times P \times X$$

Where

V1 = Amount of Price Variation in Rupees to be allowed for Labour Component.  
P = Cost of work done during the quarter under consideration minus the cost of cement, HYSD / TMT and Mild Steel, Bitumen, C.I. & D.I. Pipes calculated at the basic star rates as applicable for the tender consumed during the quarter under consideration (These star rates shall be specified here). Basic star rate, cement Rs.270/-per bag i.e.5400/- per M.T., Mild steel Fe 250 per M.T., TMT steel Fe 500 Rs. 37,000/- per M.T.  
K1 = Percentage of Labour Component as indicated above.  
L0 = Basic Consumer Price Index for CHIPLUNcentre shall be average consumer price index for the quarter preceding the month in which the last date prescribed for receipt of tender falls.  
L1=Average consumer price index for CHIPLUNcentre for the quarter under consideration.

**2) Formula for Materials component :-**

$$K2 = \frac{M1-M0}{100} \times P \times X$$

Where

V2 = Amount of Price Variation in Rupees to be allowed for Materials Component.  
P = Same as worked out for labour component.  
K2 = Percentage of Material Component as indicated above.  
M0 = Basic Wholesale Price Index shall be average wholesale price index for the quarter preceding the month in which the last date prescribed for receipt of tender falls.  
m1 = Average Wholesale Price Index during quarter under consideration.

\* No claim to compensation and account of loss due to delay in supply of materials by CMC.

\* Time limit for unforeseen claims.

**3) Formula for Petrol, Oil and Lubricant component :**

$$V3 = 0.85 P \times \left[ \frac{K3}{100} \times \frac{P1 - P0}{P0} \right]$$

Where

V3 = Amount of Price Variation in Rupees to be allowed for POL component.

P = Same as worked out for labour component.

K3 = Percentage of Petrol, oil and lubricant component.

P0 = Average Price of HSD at Mumbai during the quarter preceding the month in which the last date prescribed for receipt of tender falls.

P1 = Average Price of H.S.D. at Mumbai during the quarter under consideration.

**4) Formula for Bitumen component :**

$$V4 = QB (B1 - B0)$$

V4 = Amount of price variation in Rupees to be allowed for Bitumen component.

QB = Quantity of Bitumen (Grade) in metric tonnes used in the permanent works and approved enabling works during the quarter under consideration.

B1 = Current average ex-refinery price per metric tonne of Bitumen (Grade) under consideration including taxes (Octroi, excise, sales tax) during the quarter under consideration.

B0 = Basic rate of Bitumen in rupees per metric tonne as considered for working out value of P or average ex-refinery price in rupees per metric tonne including taxes (Octroi, excise, sales tax) of Bitumen for the grade of Bitumen under consideration prevailing quarter preceding the month in which the last date prescribed for receipt of tender, falls, whichever is higher.

**5) Formula for HYSD and Steel Component:**

$$V5 = So (SL1 - SLo) \times T$$

SLo

Where, V5 = Amount of price variation in Rupees to be allowed for HYSD / TMT / Mild Steel Component.

So = Basic rate of HYSD/TMT/ Mild Steel in Rupees per metric tonne as considered for working out value of P

SL1 = Average steel index as per RBI Bulletin during the quarter under consideration.

SLo = Average of steel index as per RBI Bulletin for the quarter preceding the month in which the last date prescribed for receipt of tender falls.

T = Tonnage of Steel used in the permanent works for the quarter under consideration.

**6) Formula for Cement Component :**

$$V6 = Co (CL1 - CLo) \times T$$

CLo

Where, V6 = Amount of price escalation in Rupees to be allowed for cement component.

Co = Basic rate of cement in Rupees per metric tonne as considered for working out value of P.

CL1 = Average cement index published in the RBP Bulletin for the quarter under consideration.

CLo = Average of cement index published in the RBP Bulletin for the quarter preceding the month in which to the last date prescribed for receipt of tender falls.

T = Tonnage of Cement used in the permanent works for the quarter under consideration.

**7) Formula for C.I. / D.I. Pipe Component :**

$$V7 = Qd(D1 - Do) \times T$$

Where, V7 = Amount of price escalation in Rupees to be allowed for C.I. / D.I. Pipe components.

Do = Pig Iron Basic price in Rupees per tonne as considered for working out value of P.

D1 = Average Pig Iron price in Rupees per tonne during the quarter under consideration. (Published by I ISCO).

Qd = Tonnage of C.I. / D.I. Pipe used in the works during the quarter under consideration.

The following conditions shall prevail :

- ii) The Operative period of the contract shall mean the period commencing from the date of work order issued to the contractor and ending on the date which the time allowed for the completion of works specified in the contract work expires, taking into consideration the extension of time if any, for completion of the work granted by the Engineer under the relevant clause of the conditions of contract in cases other than those where such extension is necessitated on account of default of the Contractor. The decision of the Engineer as regards the Operative period of the contract shall be final and binding on the contractor. Where any compensation for liquidated damages is levied on the contractor on account of delay in completion or inadequate progress under the relevant contract provisions, the price adjustment amount for the balance of work from the date of levy of such compensation shall be worked out by pegging the indices L1, M1, C1, P1, B1, S11 and C11 to the levels corresponding to the date from which such compensation is levied.

(iii) This price variation clause shall be applicable to all contracts in B-1 / B-2 and C form but shall not apply to piece works.

The price variation shall be determined during each quarter as per formula given above in this clause.

- (iv) The price variation under this clause shall not be payable for the extra items required to be executed during the completion of the work and also on the excess quantities of items payable under the provisions of clause 38/37 of the contract form B1/B2 respectively, the rates payable for extra items or the extra quantities under clause 38/37 are to be fixed as per the current DSR or as mutually agreed, to yearly revision till completion of such work. In other words, when the completion/ execution of extra items as well as extra quantities under clause 38/37 of the contract form B1/B2 extends beyond the operative date of the DSR, then rates payable for the same beyond the date shall be revised with reference to the current DSR prevalent at that time on year to year basis or revised in accordance with mutual agreement thereon, as provided for in the contract whichever is less.

(v) This clause is operative both ways, i.e. if the price variation as calculated above is on the plus side, payment on account of the price variation shall be allowed to the Contractor and if it is on the negative side, the Government shall be entitled to recover the same from the contractor and the amount shall be deductible from any amounts due and payable under the contract.

(vi) To the extent that full compensation for any rise or fall in costs to the contractor is not entirely covered by the provision of this or other clauses in the contract, the unit rate and prices included in the contract shall be deemed to include amount to cover the contingency of such other actual rise or fall in costs.

Contractor

No. of correction

Chief Officer

Clause No. 17 :- If at any time before the security deposit is refunded to the contractor it shall appear to the Engineer-in-charge or his subordinate in charge of work that any work has been executed with unsound, imperfect or unskillful workmanship or with materials of inferior quality, or that any materials or articles provided by him for the execution of the work are unsound, or of a quality inferior to that contracted for, or are otherwise not in accordance with the contract it shall be lawful for the Engineer-in-charge to intimate this fact in writing to the contractor and then not - withstanding the fact that the work, materials or articles complained of may have been inadvertently passed certified and paid for the contractor shall be bound forthwith to rectify or remove and reconstruct the work, so specified in whole or part, as the case may require or if so require shall remove the materials or articles so specified and provide other proper and suitable materials or articles at his own charge and cost, and in the event of his failing to do so within a period to be specified by the Engineer-in-charge in the written intimation aforesaid the contractor shall be liable to pay compensation at the rate of one percent on the amount of the estimate of every day not exceeding ten days during which the failure so continues & in the case of any such failure the Engineer-in-charge may rectify or remove and re-execute the work or remove and replace the materials or articles complained of as the case may be at the risk and expense in all respects of the contractor. Should the Engineer-in-charge consider that any such inferior work or materials as described above may be accepted or made use of it shall be within his discretion to accept the same at such reduced rates as he may fix therefore.

\* Action and compensation payable in case of bad work.

Clause No. 17 A :- The contractor shall maintain and keep in proper condition and repair at his cost the surface of the road for 2 (two) years from the date from which the final finishing coat is laid to the satisfaction of the Chief Officer. The decision of the Chief Officer as to the necessity of repairs to the surface of the road shall be final and binding on the contractor. If the contractor fails to maintain and keep in proper condition and repair the surface of the road during the stipulated period of 2 (two) years, the Chief Officer shall be entitled to carry out the necessary repairs departmentally at the cost contractor. The decision of the Chief Officer as to the amount of the Expenses incurred in the carrying out the repairs shall be final and binding on the contractor. The Chief Officer shall be entitled to appropriate the whole or any part of the amount of the security deposit towards expenses, if any, incurred by him in repairing the surface.

Maintenance and repairs of the road during guarantee period.

Contractor EE

Clause No. 18 :- All the works under or in course of execution or executed in pursuance of the contract shall at all times be open to the inspection and supervision of the Engineer-in-charge and his subordinates, and the contractor shall at all times during the usual working hours, and at all other times at which reasonable notice of intention of the Engineer-in-charge or his subordinates to visit the works shall have been given to the contractor either himself be present to receive orders and instructions, or have responsible agent duly accredited in writing present for that purpose. Order given to the contractor's duly authorised agent shall be considered to have the same force and effect it they had been given to the contractor himself.

\* Works to open to inspection.

Contractor or responsible agent to be present.

Clause No. 19 :- The contractor shall give not less than five days notice in writing to the Engineer-in-charge or his subordinates in charge of the work before covering up or otherwise placing beyond the reach of measurement any work in order that same may be measured, and correct dimensions thereof taken before the same is so covered up or placed beyond the reach of measurement and shall not cover up or place beyond the reach of measurement any work without the consent in writing of the Engineer-in-charge or his subordinate-in-charge of the work and it any work shall be covered up or placed beyond the reach of measurement without such notice having been given or consent obtained, the same shall be uncovered at the contractors expense and in default hereof no payment or allowance shall be made for such work or for the materials with which the same was expected.

\* Notice to be given before work is covered up.

Clause No. 20 :- If during the period of 12 (twelve) months from the date of completion as certified by the Engineer - in - charge pursuant of clause seven of the contract after commissioning the work whichever is earlier in the opinion of Chief Officer the said work is defective in any manner whatsoever, the contractor shall forthwith on receipt of notice in that behalf from the Chief Officer, duly

Contractor	No. of correction	Chief Officer
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\* Contractor liable for damage done, and for imperfections for 12 (twelve) months after certificate.

commence execution and completely carry out at his cost in every respect all the work that may be necessary for the rectifying and setting right the defects specified therein strictly in accordance with and in the manner prescribed and under the supervision of Chief Officer. In the event of the contractor failing or neglecting to commence execution of the said rectification work within the period prescribed therefore in the said notice and/or to complete the same as aforesaid as required by the said notice, the Chief Officer may get the same executed and carried out departmentally or by any other agency at the risk on account and at the cost of the contractor. The contractor shall forthwith on the demand pay to the CMC. the amount of such costs, charges and expenses sustained or incurred by CMC. of which the certificate of the Chief Officer shall be final and binding on the contractor. Such costs, charges and expenses shall be deemed to be arrears of land revenues and in the event of the contractor failing or neglecting to pay same on demand as aforesaid, without prejudice to any other rights and remedies of the CMC., the same may be recovered from the contractor as arrears of land revenue. The CMC. shall also be entitled to deduct the same from any amount which then may be payable or which may thereafter become payable by CMC. to the contractor either in respect of the said work or any other work whatsoever, or from the amount of the Security Deposit.

\* Contractor to supply plant, ladders scaffoldings

Clause No. 21 :- The contractor shall supply at his own cost all materials (except such special materials, if any as may in accordance with contract be supplied from the CMC. stores), plant, tools, appliances, implements, ladders, cordage, tackle scaffolding and temporary works requisite or proper for the proper execution of the work, whether, in the original, altered or substituted form and whether included in the specifications or other documents forming part of the contract or referred to in these conditions or not and which may be necessary for the purpose of satisfying or complying with the requirements of the Engineer-in-charge as to any matter as to which under these conditions he is entitled to be satisfied or which he is entitled to require together with carriage therefore to and from the work. The contractor shall also supply without charge the requisite no of persons with the means and materials necessary for the purpose of the setting out works, and counting, weighing and assisting in the measurements or examinations at any time and from time to time of the work or the materials, failing which the same may be provided by the Engineer-in-charge at the expenses of the contractor and the expenses may be deducted from any money due to the contractor under the contract or from his security deposit or the proceeds of sale thereof, or of a sufficient portion thereof. The contractor shall provide all necessary fencing and lights required to protect the public from accident, and shall also be bound to bear the expenses of defense of every suit action or other legal proceedings that may be brought in by any person for injury sustained owing to neglect of the above precautions and to pay any damages and costs which may be awarded in any such suit, action or proceedings to any such person, or which may with the consent of the contractor be paid for compromising any claim by any such person.

\* And is liable for damages arising from non-provision of lights, fending etc.

Clause No. 21 A :- The contractor shall provide suitable scaffolds and working platforms gangways and stairways and shall comply with the following regulations in connection therewith:

- a) Suitable scaffolds shall be provided for workmen for all works that cannot be safely done from a ladder or by other means.
- b) A scaffold shall not be constructed, taken down or substantially altered except
  - i) under the supervision of a competent and responsible person and
  - ii) as far possible by competent workers possessing adequate experience in this kind of work.
- c) All scaffolds and appliances connected therewith and all ladders shall
  - i) be of sound materials.
  - ii) be of adequate strength having regard to the loads and strains to which they will be subjected, and
  - iii) be maintained in proper condition.

Contractor

No. of correction      Chief Officer

- d) Scaffolds shall be so constructed that no part thereof can be displaced in consequence of normal use.
- e) Scaffolds shall not be overloaded and so far as practicable the load shall be evenly distributed.
- f) Before installing lifting gear on scaffolds special precautions shall be taken to ensure the strength and stability of the scaffolds.
- g) Scaffolds shall be periodically inspected by a competent person.
- h) Before allowing a scaffold to be used by his workmen the contractor shall whether the scaffold has been erected by his workmen or not, take steps to ensure that it complies fully the regulations herein specified.
- i) Working platforms, gangways and stairways shall:
  - i) be so constructed that no part thereof can sag unduly or unequally.
  - ii) be so constructed and maintained, having regard to the prevailing conditions so as to reduce as far as practicable risks of persons tripping or slipping and
  - iii) be kept free from any unnecessary obstruction.
- j) In case of working platform, gangways, working places and stairways at a height exceeding 10'0".
  - i) every working platforms and every gangway shall be closely boarded unless other adequate measures are taken to ensure safety.
  - ii) every working platform and gangway shall have adequate width and
  - iii) every working platform gangway working place and stairway shall be suitably fenced.
- k) Every opening in the floor of a building or in a working platform shall except for the tome and to the extent required to allow the excess of person or the transport or shifting of material, be provided with suitable means to prevent the fall of persons or materials.
- l) When persons are employed on a roof where there is a danger of falling from a height exceeding 10'0" suitable precautions shall be taken to prevent the fall of persons or material.
- m) Suitable precautions shall be taken to prevent persons being stuck by articles which might fall from scaffolds or other working places.
- n) Safe means of access shall be provided to all working platforms and other working places.
- o) The contractor/contractors will have to make payment to the laborers as per Minimum Wages Act.

Clause No. 21B :- The contractor shall comply with the following regulations as regards the Housing Appliances to be used by him :-

- a) Hoisting machines and tackle, including their attachments, anchorage's and supports shall;
  - i) be good mechanical construction sound material and adequate strength and free from patent defect, and
  - ii) be kept in good repairs and in good working orders.
- b) Every rope used in hoisting or lowering materials or as a means of suspension shall be of suitable quality and adequate strength and free from patent defect.
- c) Hoisting machines and tackle shall be examined and adequately tested after erection on the site and before use and be re-examined in position at intervals to be prescribed by the CMC
- d) Every chain, ring, hook, shackles, swivel and pulley block used in hoisting or lowering materials or as a means of suspension shall be periodically examined.
- e) Every crane driver or hoisting appliances operator shall be properly qualified.
- f) No person who is below the age of eighteen (18) years shall be in control of any hoisting machine, including any scaffold which or give signals to the operator.
- g) In the case of every hoisting machine and of every chain, ring hook shackle swivel and pulley block used in hoisting, lowering or as a means of suspension the safe working load shall be ascertained by adequate means.
- h) Every hoisting machine and all gear referred to in the preceding regulation shall be plainly marked with the Safe working load.

Contractor

No. of correction

Chief Officer



Clause No. 29 :- All works to be executed under the contract shall be executed under the direction and subject to the approval in all respects of the Chief Officer of the Circle for the time being, who shall be entitled to direct at what point or point and in what manner they are to be commenced, and from time to time carried on.

\* Works to be under direction of Deputy Chief Engineer.

Clause No. 30 :- Except where otherwise specified in the contract and subject to hours delegated to him by CMC. under the Code rules then in force the decision of the Chief Officer of the circle for the time being shall be final, conclusive and binding on all parties to the contract upon all questions relating to the meaning of the specifications, designs, drawings and instructions here in before mentioned and as to the quality of workmanship or material used on the work or as to any other questions, claim, right matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specification, estimates, instructions, orders or these conditions or otherwise concerning the works, or the execution, or failure to execute the same, whether arising during the progress of the work, or after the completion or abandonment thereof. Clause 30 of B1 and B2 agreement form lays down that decision of the Chief Officer in certain matter relating to the contract would be final. It should be born in mind that the clause is not an arbitration clause under which disputes between contractor and the Chief Officer are referable to the arbitration of Dy. Chief Engineer. Any action taken by Chief Officer under this clause can not therefore interpreted as an arbitration proceeding and does not enable contractor to claim relief under section B of arbitration act.

\* Decision of Chief Officer to be final.

Clause No. 31 :- The contractor shall obtain from the CMC. all stores and articles of Europeans or American manufacture which may be require or any part thereof or in making of any articles required therefor or in connection therewith unless he has obtained permission in writing from the Engineer-in-charge to obtain such stores and articles elsewhere. The value of such stores and articles as may be supplied to the contractor by the Engineer-in-charge will be debited to the contractor in his account at the rates shown in the schedule in form a attach to the contract, and if they are not entered in the said schedule, they shall be debited to him at cost price which for the purpose of this contract shall include the cost of the carriage and all other expenses whatsoever, which shall have been include in obtaining the delivery of the same at the stores aforesaid.

\* (Stores of European or American manufacture to be obtained from M.H. & A.D.A. )

Clause No. 32 :- When the estimate on which a tender is made includes lump sums in respect of parts of the work the contractor shall be entitled to payment in respect of the items of work involved or the part of the work in question at the same rates as are payable under. This contract for each item, or if the part of the work in question is not in the opinion of the Engineer-in-charge capable of measurements, the Engineer-in-charge may at his discretion pay the lump sum amount entered in the estimate, and the certificate in writing of the Engineer-in-charge shall be final and conclusive against the contractor with regard to any sum or sums payable to him under the provisions of this clause.

\* Lump sums in estimates.

Clause No. 33:- In the case of any class of work for which there is no such specification as is mentioned in Rule 1 such work shall be carried out in accordance with the specification and in the event of their being no Divisional specification then in such case the work shall be carried out in all respects in accordance with the instructions and requirements of the Engineer-in-charge.

\* Action where no specification.

Clause No. 34 :- (“The expression Works” or “Work” where used in these conditions shall, unless there be something on the subject or context repugnant to such construction, be construct to mean the work or works contracted to be executed under or in virtue of the contract) whether temporary or permanent and whether temporary or permanent and whether original, altered, substituted or additional.

\* Definition of work.

Clause No. 35 :- The percentage referred to the tender shall be deducted from /added to the gross amount of the bill before deducting the value of any stock issued.

\* Contractor's percentage whether applied to net or gross amounts of bill.

Contractor                      No. of correction      Chief Officer

Clause No. 36 :- All quarry fees, royalties and ground rent for stacking materials, if any should be paid by the contractor, who will, however be entitled to refund of such of the charges as are permissible under the rules on obtaining a certificate from the Engineer-in-charge that the materials were required for use on CMCwork.

\* Compensation under the workmen's Compensation Act.

Clause No. 37 :- The contractor shall be responsible for and shall pay any compensation to his workmen payable under the workmen's compensation act, 1923 (VLL of 1923), ( hereinafter called the said act) for injuries caused to the workmen. If such compensation is payable/ paid by CMCas principal under sub-section (1)of Section 12 of the said Act on behalf of the contractor, it shall be recoverable by CMC. from the contractor under Sub-section (2) of the said Section. Such compensation shall be recovered in the manner laid down in clause 1 above.

Clause No. 37 A :- The contractor shall be responsible for and shall pay the expenses of providing medical aid to any workman who may suffer a bodily injury as a result of an accident. If such expenses are incurred by CMC. the same shall be recoverable from the contractor forthwith and be deducted without prejudice to and other remedy of Government from any amount due or that may become due to the contractor.

Clause No. 37 B :- The contractor shall provide all necessary personal safety equipment and first aid apparatus available for the use of the persons employed on the site, shall maintain the same in condition suitable for immediate use at any time and shall comply with the following regulations in connection therewith.

- (a) The workers shall be required to use the equipment so provided by the contractor and the contractor shall take adequate steps to ensure proper use of the equipment by those concerned.
- (b) When the work is carried on in proximity to any place where there is a risk of drowning all necessary equipment shall be provided and kept ready for use and all necessary steps be taken for the prompt rescue of any persons in danger.
- (c) Adequate provision shall be made for prompt first-aid treatment of all injuries likely to be sustained during the course of the work.

\* Claim for quantities entered in the tender or estimate.

Clause No. 38 :-

(1) Quantities shown in the tender in the tender are approximate and no claim shall be entertained for quantities of work executed being either more or less than those entered in the tender or estimate.

Quantities in respect of the several items shown in the tender are approximate and no revision in the tendered rate shall be permitted in respect of any of the item below plinth which may vary to any extent due to local conditions. For super structure items, same shall generally be limited to 25% excess over the tendered quantity and so long as the excess quantity beyond this limit at rate of the item specified in the tender, is not more than Rs. 5,000/-

(3)The contractor shall, if ordered in writing by the Engineer-in-charge so to do, carry out any quantities in excess of the limit mentioned in sub-clause (1)hereof on the same conditions as and in accordance with the specifications in the tender and at the rates (1) derived from the rates entered in the current schedule of rates and in the absence of such rates (2)at the rate prevailing in the market which may be increased or decreased as the case may be by the percentage which the total tendered amount bears to the estimated cost of the total work as put to tender based upon the schedule or rates applicable to the year in which the tender were invited for the purpose of operation of this clause, this cost shall be taken to be RsClaims arising out of reduction in the tenders quantity of any items beyond 25 % will be governed by the provision of Clause 15 only when the amount of such reduction beyond 25% per cent at the rate of the item specified in the tender is more than Rs. 5,000/-

\* Employment of famine labour etc.

Clause No. 39 :- The contractor shall employ any famine, convict or other labour of a particular kind class or if ordered in writing to do so by the Engineer-in-charge.

Contractor                      No. of correction                      Chief Officer

Clause No. 40 :- No compensation shall be allowed for any delay caused in the starting of the work on account of acquisition of land or in the case of clearance works, on account of any delay in according sanction to estimates.

\* Claim for compensation for delay in the starting of work.

Clause No. 41 :- No compensation shall be allowed for any delay in the execution of the work on account of water standing in borrow pits compartments. The rates are inclusive for hard or cracked soil, excavation in mud, sub soil water or water standing in borrow pits and no claim for an extra rate shall be entertained, unless otherwise expressly specified.

\* Claim for compensation for delay in the execution or work.

Clause No. 42 :- The contractor shall not enter upon or commence any portion of work except with written authority and instructions of Engineer-in-charge or of subordinate-in-charge or the work. Failing such authority the contractor shall have no claim to ask. For measurements of or payment for work.

\* Entering upon or commencing any portion or work.

Clause No. 43 :-

(i) No Contractor shall employ any person who is under the age of 18 years.

(ii) No contractor shall employ donkeys or other animals with breaching of string or thin rope. The breaching must be at least three inches wide and should be tape (Newer).

\* Minimum age of persons employed, the employment of donkeys and for other animals and the payment of fair wages.

(iii) No animal suffering from sore, lameness emaciation or which in immature shall be employed on the work.

(iv) The Engineer-in-charge or Agent is authorized to remove from the work any person or animal found working which does not satisfy these conditions and no responsibility shall be accepted by CMC. for any delay caused in the completion of the work by such removal.

(v) The contractor shall pay fair and reasonable wages to the workmen employed by him in the contract undertaken by in the event of any dispute arising between the contractor and his workmen on the grounds that the wages paid are not fair and reasonable the dispute shall be referred with details to the Chief Officer who shall decide the same. The decision of the Chief Officer shall be conclusive and binding on the contractor but such decision shall not in any way affect the condition in the contract regarding the payment to be made by CMC. at the sanctioned tender rates.

(vi) Contractor shall provide drinking water facilities to the workers. Similar amenities shall be provided to the workers engaged on large works in urban areas.

Clause No. 44 :- Payment to contractors shall be made by cheque drawn on any Bank within the division convenient to them, provided the amount exceeds Rs. 10/-. Amounts not exceeding Rs. 10/- will be paid in cash.

Clause No. 45:- Any contractor who does not accept these conditions shall not be allowed to tender for works.

Clause No. 46 :- If the government declares a state of scarcity of famine to exist in any village situated within 10 miles of the work, the contractor shall employ upon such parts of the work, as are suitable for unskilled labour, any person certified to him by the Chief Officer or by any person to whom the Chief Officer may have delegated this in writing to be in need or relief and shall be bound to pay to such persons wages not below the minimum which CMC. may have fixed in this behalf. Any disputes which may arise in this connection with the implementation of this clause shall be decided by the Chief Officer whose decision shall be final and binding on the contractor.

\* Method of payment.

\* Acceptance of conditions. Compulsory before tendering for work.

Clause No 47:- The price quoted by the contractors shall not in any case exceed its control price if any fixed by CMC. or reasonable price which it is permissible for him to charge private purchase for the same class and description the controlled price or the price permissible under Hoarding and Profiteering Prevention Ordinance, 1948 as amended from time to time. If the price quoted exceeds the controlled price or price permissible under Hoarding and Profiteering Prevention Ordinance, the contractor shall specifically mention this fact in his tender along with the reasons for quoting such priced. The purchaser at his discretion will in such case exercise the right of revising the price at any stage so as to confirm with the controlled price permissible under Hoarding and Profiteering Prevention Ordinance. This discretion will be exercised without prejudice to any other action that may be taken against the contractor.

\* Employment of scarcity labour

Contractor                      No. of correction      Chief Officer

Clause No. 48 :- The rates to be quoted by the contractor must be inclusive of sales tax. No extra payment on this account will be made to the contractor.

Clause No. 49 :- In case of materials that may remain surplus with the contractor from those issued for the work contracted for, the date of ascertainment of the materials being surplus will be taken as the date of sale for the purpose of sales tax and the sales tax will be recovered on such sale.

Clause No. 50 :- The contractor shall employ at least 80 (eighty) percent of the total member of unskilled labour to be employed by him on the said work out of persons ordinarily residing in the district in which site of work is located provided however, that if the required number of unskilled labour from that district is not available the contractor shall in the first instance employ such number of persons as is available and thereafter may with the previous permission in writing of the Chief Officer-in-charge of the said work, obtain the rest of his requirement of unskilled labour from outside the District.

Contractor	No. of correction	Chief Officer
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# GENERAL CONDITIONS

## GENERAL CONDITIONS

1. All items occurring in the works and as found necessary in actual execution shall be carried out in work-man-like manner as per specifications already given for each item and also as per specifications given in the standard Specification Book. (Commonly known as the "Red Book") of Government of Maharashtra latest Edition and as per relevant latest I.S. Specifications and as per the orders of the Engineer-in-Charge from time to time. Specifications attached herewith shall however have the precedence and the contractors should please read them carefully.

2. It must be distinctly understood that the conditions of contract and specifications are intended to be rigidly enforced and no relaxation on the ground of custom prevailing is to be allowed. No extra item of work shall be carried out by the contractor unless ordered in writing by the Chief Officer-in-Charge. It shall be the contractor's responsibility to get the rate of such extra item fixed by the Chief Officer-in-Charge within seven days from the receipt of such orders. Extra charges for the claim in respect of extra work will not be entertained unless the work to which it relates is clear, without the spirit and meaning of the specifications.

In case of the failure of the contractor to get the rate fixed as above within the specified period as above the rate that may be fixed by the Chief Officer-In-Charge shall be binding on the contractor.

3. The contractor shall engage an authorised and experienced Engineering Supervisor for the work capable for managing and guiding the work. He must possess sufficient working knowledge of R.C.C. work. He shall take such orders as may be given to him by the Engineer-In-Charge from time to time and shall be responsible for carrying them out faithfully.

4. The contractor shall also have an office near the works where the notices from the Chief Officer may be served and shall be open between the hours of sunrise and sunset on all working days. A clerk or some authorised person shall always be present at such office upon whom such notice may be served and serving of any notices left with such clerk or the representative or in such office shall be deemed to have been validly served upon the contractor for all purposes.

5. An Order Book shall be maintained on the work and the contractor or his authorised Representative shall sign the orders by the Engineer-In-Charge and shall carry them out promptly.

In case the contractor continues to indulge in doing work contrary to the instructions given to him as incorporated in the Book or given in writing by separate communication he shall be doing so, entirely at his risk and cost and the engineer in charge or his authorised representative shall have right to stop such work and to get the needful done at the contractor's risk and cost. The contractor shall, be held responsible for the delay in execution of work and shall bear all other consequences arising out of non compliance of the orders given in time.

Contractor                      No. of correction                      Chief Officer

6. i) The contractor shall have to clear the entire site before the work, is commenced without any extra cost. The clearance of site includes removal of grass, trees, vegetation's, boulders and extra earth at site in order to level down the site as required. The extra earth which may thus be obtained would be deposited or disposed off as directed by the Engineer-In-Charge without claiming anything extra. The contractor shall make his

7. own arrangement for preventing flood water or tide water entering the area of his work, and for keeping it dry at his own costs. He should have sufficient No. of pumps for dewatering etc. and in no case should the progress of work be allowed to be-hindered on account of flood and tide.

ii) The contractor shall also be responsible to keep the site and approaches clear and maintain them in perfect order during the course of construction and upto completion of the work. The contractor shall give reasonable facilities as directed by the Chief Officer to the contractors or agencies of the CHIPLUN MUNICIPAL COUNCIL for executing ancillary works such as roads, sewers water, mains, domestic and street lights etc. In case any of the material, tools and plant etc. of the contractor are lying on the road and are obstructing progress of the ancillary works and if the same are not removed within the time specified by the Chief Officer, the same shall be got removed at the risk and cost of the contractor and no protest or claims shall be entertained on that account.

7. i) As the supplies of cement required for the work are not received in regular quantities as per progressive requirements for the work, the contractor shall provide adequate storing space for receiving cement as and when same are issued to him by the Engineer-In-Charge and he shall for the purposes provide a store which shall have storage capacity of not less than 20% of the required or storing total quantity to be issued to him as per Schedule 'A'. This space should be in addition to space empty cement bags. In case of failure to provide the requisite store as stated above the same shall be provided at the contractor's risk and cost as may be directed by the Engineer-In-Charge. The cement shall be stored as per instructions issued in the Booklet of the Associated Cement Company, and the Engineer-In-Charge and shall be convenient and easily countable stocks at all time and cement shed shall have strong doors and double locking arrangements of a quality lock as approved by the Engineer-In-Charge. The key of one lock should be with the Engineer-In-Charge of works and the keys of other with the contractor.

ii) The contractor in addition to the required store and other structures required for the work shall provide and construct a suitable temporary office building as directed by the Engineer-In-Charge. The office shall be constructed with use of asphalt corrugated sheet. This office building should be constructed as per design and drawing supplied by the Council. The temp. Office building shall be the property of contractor and can be taken away by him after construction of the scheme is over for which nothing shall be paid extra.

iii) Office Building shall also be provided with furniture (consisting of 3 Nos. of tables, 8 Nos. of chairs, 1 No. bench, 2 Nos. of T.W. cupboards of sizes not less than (4'-0"x3'-0"x1'7") 1.22m X 0.91m X 0.46 with necessary locking arrangements for the use of supervisory staff and consultant staff of theCHIPLUN MUNICIPAL COUNCIL, as directed by the Engineer-In-Charge. The constructions of the temporary office building shall be carried out as soon as possible. The furniture provided for the office use shall be the property of the contractor & the same shall be allowed to be removed after completion of main work. The contractor shall provide for the office building necessary drainage and water provisions. The Municipal taxes and all other taxes payable on such office building shall be paid by the contractor during the period of execution of work.

Contractor                      No. of correction              Chief Officer

8. The contractor shall provide all labour pegs strings, and other materials as required for lining and Setting out the work without any payment. Also he shall provide all instruments and attendance required by the Chief Officer and his representative for checking of the works at all stages of constructions as and when so directed by the Chief Officer.

9. The percentage rates tendered by the contractor shall be inclusive of all taxes, duties, town-duty etc. to be paid by the contractor for the material required for the work and no extra payment shall be made to the contractor on any account thereof.

10. The contractor at his own cost and the charges for water shall be paid by the contractor direct to the concerned Municipal authorities or any other authority supplying water at the rates specified by them. However the Council shall help the contractor to get such water connections by way of recommendation, at the rate specified by the said authority. The contractor also comply with all the requirements of the Health Department of the Municipality or any other authority in charge of management of the locality particularly in regards to anti-malaria or any other such measures.

11. The contractor shall maintain the roads used by him for transport and also shall provide necessary approach roads as required and keep the same duly maintained at his cost in order to have easy transport and also satisfactory inspection by the Officers of the CHIPLUN MUNICIPAL COUNCIL. If it is necessary to have such roads and passage in private property, the contractor shall pay the charges to such private parties.

The main contractor shall be bound to give the right of access of such roads and passages to other contractors for subsidiary work and to other main contractor and also to others, as directed by the Engineer-In-Charge without any charges. The contractor shall take ample precautions regarding safety of the existing structures and in case of any damage caused by him or his agents shall make good the loss at his own cost. The contractor shall on completion of work restore the roads to their original conditions.

In case he fails to restore the roads to the satisfaction of the Engineer-In-Charge the same shall be done at the risk and cost of the contractor. In case the contractor fails to maintain the road used by them the same shall be done at the risk and cost of the contractor.

12. The contractor is to set out the level for all works and shall be responsible for the accuracy of the same. He shall provide necessary sight rails etc. as directed by the Chief Officer. Any defective or inaccurate setting out or deviation from sanctioned plan shall be rectified at his risk and cost. The contractor shall provided good leveling instruments and staff for use on works.

Contractor                      No. of correction      Chief Officer

13. The contractor shall supply all the materials, articles, tools plant, labour etc., required for carrying out slump test of concrete & the test shall be done before commencement of concreting and if required during progress of work. The quantity of water as specified as per the slump test should be adhered to throughout the concreting period. The contractor shall prepare C.C. Cubes where R.C.C works are under progress strictly as per I.S.S. and send the same to two different laboratories after curing as per I.S.S. Testing charges and all other incidental charges shall be borne by the contractor. This is required in order to see that the cement concrete is up to the required standard and strength. Any work which is found to be of inferior quality shall be removed at the risk and cost of the contractor and shall have to be redone or reimbursed by him at his own cost, to the entire satisfaction of the Engineer-In-Charge.

14. The contractor shall make necessary arrangements to obtain water connection from the Municipal COUNCIL or other authorities concerned for the execution of the work at his own cost and pay deposit and charges in accord with the rules of the Municipal COUNCIL or other authorities in force. The CHIPLUN MUNICIPAL COUNCIL will help the contractor to obtain the necessary water connection by way of recommendation only. It is however obligatory on the part of the contractor to allow the contractor carrying out subsidiary works viz. water supply, drainage, electric installation and road works etc, in case such demand is put by the contractor carrying out ancillary works to draw required quantity of water without any obstruction whatsoever. The contractor shall however, recover cost of water charges at 1% of the value of the work or respective contractor for water supply, drainage, roads filling etc. and 0.1% of the value of the work in case of electric contractor for water used by the subsidiary contractors direct. In case, of any dispute the decision of the Chief Officershall be final and binding on all the contractors. The contractor will not be allowed to disconnect or remove the pipe laid by him for taking water required for execution of the work, until the tenements are occupied and permission for removal of the pipe and to disconnect the connection taken is obtained in writing from the Engineer-In-Charge of work.

15. The present layout and arrangement of groups of buildings may have to be altered to suit local conditions. The contractor shall be bound to agree to the revised layout and groupings as per finally decided and communicated to him by the Engineer-In-Charge. The contractor also shall have no claim in case the site of these building is changed from the one shown in the sanctioned plans to the nearby site in the same area. The condition shall also apply even otherwise irrespective of the facts whether the numbers of tenements are increased of decreased.

16. The contractor shall have to pay all the deposits and payments to all the concerned authorities for execution of all the items of the work under the contract/s.

Contractor                      No. of correction              Chief Officer

17. Notwithstanding what is stated in clause 5 of the printed conditions of contract, the Chief Officer, shall have the power to take possession of all the materials, tools and plants etc. in possession of the contractor at the time and on the site of work, irrespective of the fact whether the whole or a Part of the aforesaid materials tools, and plant etc. is intended to be used on the work or not. The Chief Officer shall further have the power to auction the same in case the contractor fails to make good his in abilities after due notice is given to him. Any amount that may have to be spent in safeguarding the materials till the final accounts are settled shall also be recovered from the contractor's dues. Such dues shall be payable on the date of intimation given by the Chief Officer to the contractor.

18. Before purchasing any paints, linseed oil, fittings etc., the contractor shall get the brand and sample approved and in case they fail to do so, work with such materials will be liable to be rejected for which the responsibility shall be solely of the contractor.

19. In case of glasses wherever required, the same shall be clear or frosted or ground as directed for which nothing extra shall be paid.

20. For water supply arrangements the contractor shall make the necessary arrangements to get the 'P' form from the Municipality through the licensed plumber authorized for the work. The department will help if necessary by way of recommendation only. It shall be the sole responsibility of the contractor to get the 'P' form in time.

21. In case of failure on the part of the contractor to comply with any of the Instructions given in the notes under the tender the Chief Officer, shall be at liberty to get the work done at the risk and cost of the contractor and deduct necessary amount from his bills or other dues.

22. The rates quoted in the tender apply to all the details described for items in the Schedule 'B' and in the specifications, notes or in any other part of tender. The item shall be treated as complete item payable at tender rate's nothings extra being payable separately on any account.

23. It shall be the sole responsibility of the contractor to abide by the rules and regulations of minimum wages act in respect of maintaining registers etc. about attendance, wages, holidays etc., of laborers employed by him. The Department in no way shall be responsible for any deviation and negligence of the contractor in complying with the above requirements.

24. Whenever any claim against the contractor for the payment of sum of money arises out of or under the contract, CHIPLUN MUNICIPAL COUNCIL will be entitled to recover such sum or sum appropriating in part of whole, the security deposit of the contractor and to sell any Government Promissory Notes etc., farming whole or part of security. In the event of the security deposit being Insufficient or if no security has been taken from the contractor then the balance or the total sum recoverable as the case may be, shall be deducted from any sum then due or which at any time thereafter may become due from the contractor under this or any other contract with CHIPLUN MUNICIPAL COUNCIL, should this amount be not sufficient to cover this full amount recoverable, the contractor shall pay to the CHIPLUN MUNICIPAL COUNCIL on demand the balance remaining due. In case a particular person was partner in firm against whom the CMC has a claim and if the same partner joins another firm the amount due from the partner according to his share of interest in the former firm shall be recovered from his share of interest in the subsequent firm.

25. CHIPLUN MUNICIPAL COUNCIL shall have the right to cause any audit and technical examination of the works and final bills of the contractor, including all.

26. The contractor shall have to pay all dues or recoveries that may be pointed out by the audit during the post audit. of the final bills, subsequently to the refund of the full amount or security deposit for this, the contractor shall if so desires sign an indemnity bond on stamped paper at time of refund of full amount of security deposit.

27. The contractor shall give full access and cooperation to the vigilance and Technical Examiner CHIPLUN MUNICIPAL COUNCIL for inspection of works checking of cement account etc. the quality of works as examined and reported by the Technical Examiner shall be binding on the contractor and reduced rate will be paid for any inferior work if not done to the satisfaction of the Technical Examiner.

28. In view of the difficult position regarding availability of foreign exchange, no foreign exchange will be released by the department for the purpose of the plant and machinery required for the execution of the work.

29. The contractor shall sign each page of Schedule 'A' and Schedule 'B' before submitting this tender.

30. The contractor shall make himself aware of the departmental procedure right from accepting the tender to payment of final bills including interim payment.

31. Not with standing whatever stated in clause 11 of by from, the contractor shall have to supply in adequate Nos. free of cost, printed R.A. Bill forms in the prescribed form, with the complete description of all items of the work as per tender for preparation of running account bills and final bills. In case they are not supplied the contractor shall be charged at the rate of Rs. 30 per sheet subject to minimum of Rs. 100 per bill and Rs. 200/- in respect of final bill.

32. The CMC shall give reasonable facilities to the contractor by way of permits to enable him to obtain controlled materials other than specified in Schedule 'A' The contractor shall make his own arrangements to get such materials. The contractor shall however not be entitled to any compensation or extension of time limit on account of delay in obtaining the necessary supply. The Contractor shall procure the materials in pursuance of the permit issued and he will not be entitled to make any claim on any account either due to increased cost or taxes and duties of any kind as the CMC shall not be concerned on account of the subsequent increase or decrease in rate of materials.

33. The materials so obtained and those supplied as per Schedule 'A' shall be stacked at site of work as directed and used only on the work in question and any material remaining surplus shall not be disposed off or removed by the contractor without obtaining written permission of the Engineer-In-Charge. The CMC will have an option of taking over the materials are in the same conditions as they were at the time of issue and provided the same are serviceable. In such case the contractor shall without any extra cost convey and deliver the materials at the Divisional store and stack them properly. The contractor shall maintain regular account of the receipts and also the use of materials on the site of work to the satisfaction of the Engineer-In-Charge and supply monthly statement of such accounts to the officer in charge. The cement account register shall be signed daily and particular date No of all bags and empty bags available in the go down on any particular date.

Contractor                      No. of correction      Chief Officer

34. The contractor shall submit monthly account of the receipt and use of all materials supplied as per Schedule 'A' and also of all the controlled materials for which permits are issued to him as per the actual use and the contractor shall submit the final details of accounts stated above at the time of final bill when the work is completed as per actual construction carried out. The account shall be at the entire satisfaction of the Chief Officer and in case any discrepancy of materials is found a penalty in addition and equivalent to the cost of materials as per corresponding rates in Schedule 'A' and as per rates at which the controlled materials are taken direct (these shall be only for such materials for which permits are issued) shall be recovered from him.

(a) The contractor shall see that only the required quantities of materials provided for in Schedule 'A' are got issued. Any such materials remaining unused and in perfectly good condition at the time of completion or termination of the contract shall be returned to the Engineer-In-Charge at place wherever directed by him by notice in writing. Credit for such materials will be given at the prevailing market rate on the issue rate of the department not exceeding the amount charged to him. The Contractor will not be entitled to cartage and incidental charges for returning the surplus from and to the stores where from they were issued.

35. For all works in this contract, where cement is to be used the same shall be used in bags taking each bag as, 1.18 cu.ft. in volume, and such kind of bag shall be weighing 50 kg. net.

36. Whenever bricks are to be purchased and procured by contractor for use in the work the same shall be of approved patent and kiln burnt and in standard available sizes, They shall be of uniform size 4" X 4 ½ "width and conform to I.S.I. and standard specification.

37. "Quantities showing in Schedule 'A' or 'B' are approximate and no claim shall be entertained for any variation in quantity to any extent for items below plinth due to local conditions, which include sanitary and water supply fittings including size of chambers etc. below plinth level.

38. The samples each class of materials and workmanship shall be got approved prior to actual use and satisfactory tests for the works and materials shall be given by the contractor at his own cost, as directed by Chief Officer. If the Chief Officer, considers that the materials should be got tested from Government Laboratories, the contractor shall have to bear all charges for the same.

39. It is proposed to use C.I and A.C pipes as soil pipes, waste water pipes, rain water pipes and anti shipnage pipes on the work. The use of C.I pipes and specials will be restricted to work below first floor level (i.e. top of the slab covering ground floor) and rest of the work on upper floors shall be in A.C. Pipes and specials. The contractor shall have to use these with all the special as required and where directed and make connections as required.

The quantities given or the pipe length and specials in Schedule 'A' and 'B' are approximate. He shall be paid for actual running measurements including fitting etc. no claim shall be entertained for any variations.

Contractor                      No. of correction      Chief Officer

40. All timber shall be best quality, well seasoned and free from knots, bends, etc. all planks and scantlings shall be approved by the Engineer-In-Charge and the rejected materials shall be removed from the site. All operations of cutting, planning and joinery shall be done at the site as directed, by the Engineer-In-Charge of work who reserve the right to reject any material for bad workmanship, bad quality etc., at any stage and rejected materials shall have to be removed forthwith from the site, within 24 hours. All the size of timber specified in the items shall be met subject to the tolerance permitted as per ISI force at Specifications in force the time i.e. as per I.S. 1003 of 1966.

41. Sand and coarse aggregate shall be taken in measuring boxes. The forming to Municipal by-laws applicable in the area.

42. All sanitary and water supply fittings and pipes etc., will be tested and size pattern to be approved and shall according to latest standard practice as per specification No. 182, to 189, page No. 924 to 926 and 946 to 947 of P.W.D. Hand Book Vol. I and II and to the entire satisfaction of the Engineer-in-Charge as well confirming to Municipal by-laws applicable in the area.

43. For the teak, wood work the tolerance limit shall be as per the latest I.S.S. (i.e. as per IS 1003 of 1966) for the respective items of T.W. doors and windows etc.

44. In case the department decides to make its own arrangement for the supply of readymade doors, windows, ventilators and louvers, the contractors shall be required to erect and fix in line and plumb the frames of all such doors, windows ventilators and louvers for which necessary payment in terms of printed conditions No. 12 of contract will be paid.

45. For all teak wood work after applying a prime coat, one coat of knife paste filler of approved quality shall be provided before applying the remaining two coats of oil paint.

46. The contractor shall make his own arrangement for procurement of steel required for the work. If required necessary tests report regarding tested shall be produced by the contractor.

47. All steel brought by the contractor shall be of tested and shall conform to I.S.608:1995 as amended up to date and in force at time of execution in addition contractor shall have to send samples from all categories of steel brought at site by him to Govt. Laboratory or other Laboratory as directed by Engineer-In-Charge for the test described in above I.S. The Contractor shall also have to produce evidence that the steel brought by him is of tested variety by producing necessary vouchers/bills. Any category found of untested variety or found to have failed in Laboratory test shall have to be and removed by the contractor from site of work at once. All testing charges to be paid to Laboratory shall have to be paid by the contractor and the department shall not reimburse expenses on this account.

Contractor                      No. of correction      Chief Officer

48. The lime shall be of approved quality free from any impurity, Katni or Satna or Rajuri lime obtained from approved lime dealers, who will be the members of Lime Association of India. Whenever directed test results in respect of lime shall be furnished and lime found below the required test standard removed from the site within seven days after written order is received from Engineer-in-Charge. Only un-slacked lime will be allowed to be brought on site and entire process of stacking and making mortar in power driven mechanical mixer will be done at site of works.

49. All the measurements of earth filling (excepting that inside the plinth of the Buildings) in this contract shall be taken by having sectional measurements by taking by ground levels starting the work and the final levels after the work and the final levels after the work is completed. Intermediate measurements for such filling shall be taken by spot levels thus finding average depth. The quantity of filling mentioned in items of Schedule 'B' below plinth is only approximate. The contractor shall carry out the actual quantity that is found necessary in the group or any where else in the area outside his group as directed by the Engineer- In-Charge without any extra quantity for any reason whatsoever.

50. Nothing extra shall be paid for dewatering the foundation pits and/or trenches and removing collapsed soil from the foundation pits/and/or trenches due to monsoon or due to any other cause.

51. Earth cutting , rock cutting and earth filling items of W.B.P. shall have to be executed irrespective of the group areas in the entire site of the scheme, wherever directed by the Engineer-In-Charge.

52. Shuttering shall be rigidly constructed of approved materials and shall be true to shape as per dimensions shown in the drawings for R. C. C. members. In case of timber shuttering etc. timber shall be of quality, well seasoned though not too dry and free from loose knots, holes or other defects. All timber in contract with concrete shall be wrought on two edges and one face, the materials being assembled with un-wrought faces and the outside joint shall be sufficiently tight to prevent leakage of cement grout and to prevent formation of fungus or other blemishes. Faulty joints shall be rectified. Openings for the inspection of the inside of the shuttering and for the escape of water used for washing out shall be formed so that they can be closed before concrete is laid. It shall be so constructed as to permit easy remove of the shuttering and shall be either nailed, screwed, bolted so as to rest in the correct shape, during consolidation of the concrete, shuttering shall be line to line braced and strutted to prevent deformation under the weight and pressure of the wet concrete constructional load and other forces during concreting operation from works shall be struck off after following minimum period has lapsed :-

Shutters of walls, columns and vertical sides of beams	48 hours.
Props, underneath slabs, spanning up to 4.5 meters	7 days
Spanning over 4.5 meters	14 days
Props. underneath beams spanning up to 6 meters	14 days
Spanning over 6 meters.	21 days

The No. of props, their sizes and disposition shall be such as to be able to safely carry the full dead load of slab, beam as the case may be including the live load using pouring of concrete etc.

Contractor                      No. of correction      Chief Officer

53. All R.C.C. work shall be as per I. S. Specification and as per standing orders and practice prevailing in Division. All the items are to be carried out as per the details supplied and as directed by the Chief Officer or his authorised representative. Work shall be done in a work-man-like manner and of the entire satisfaction of the Engineer-in-Charge.

54. The contractor shall inform the dates of casting and R.C.C. works five (5) days in advance in writing to the department and shall fix the programme for the same with Chief Officer or his authorised representative so that the same is communicated in time to higher authorities. Any change in programme shall also be intimated in writing in time to the Engineer-In-Charge.

55. The contractor shall see that necessary arrangement for holes are provided in R.C. C. work as required for plumbing work, and for electrical pipe etc. at the time of execution as directed without extra any payment. The necessary opening for mixing the common electric lights shall be made in the partition wall between baths and W.C's as directed by the Engineer-In-Charge and the same shall be properly finished. The work as above is to be executed without any extra cost.

56. All R.C.C. work after opening the shuttering shall be made rough as required in order to have proper grip for plaster. The unevenness if any, shall be removed and surface brought in line and level without any extra cost by applying C.M. (1:2)

57. All R. C. C. work will be measured and paid as per the dimension as actually cast in from work according to drawing finishing in cement mortar and neeru wherever required shall be done as per the finish provided to the adjacent masonry but the same will, not be measured and paid for separately and such finishing is included in the rates of all R.C.C. items concerned.

58. (a) Reinforcement shall be accurately, fixed and maintained in position as shown in the bar bending scheduled on the drawing and as directed wires shall security tie the bars which are intended to be concreted. Immediately before placing and binding etc., to be cleaned, if necessary. The binding wire shall be 16 gauge.

(b) The vertical distances between successive layers of bars in beams of similar members shall be maintained to the provision of M.S. space bars of not less than 23 mm to be inserted at such intervals so that the main bars do not sag between adjacent space bars.

59. Wherever required or directed the contractor should provide anchorage bars or extensions at junctions and other places for proper anchorage's and binding with other works without any extra cost.

60. All R.C.C. work shall be done as per detailed specifications given and according to drawing and as directed. Concrete shall be mixed in power driven concrete mixer to ensure maximum efficiency. For R.C.C. columns, beams and slabs, approved type of vibrator shall be used by the contractor at his own cost for compacting the concrete.

Contractor                      No. of correction      Chief Officer

61. The Contractor shall provide and fix requisite (saddles) rings to hold reinforcement in R.C.C. slab work and tapered teak wood plugs of required sizes in B.B. Masonry wherever directed without any extra cost.

62. Contractor shall remove all unevenness caused while casting trimming the R.C.C. surface by plastering with cement mortar (1:2) and bring all the work in perfect line, level and plumbing immediately after removal of all from. The surface after casting should closely roughened as required or as directed so as to have proper bend for cement plaster without any extra cost.

63. In case of R.C. slabs and all R.C.C. work the reinforcement shall be as per plan or as required, if necessary two way reinforcement or doubly reinforcement will be provided in slabs or in beam respective for which nothing way extra shall be paid. The details of reinforcement shown at the time of tendering may be changed and the contractor shall carry out the same without claiming anything extra.

64. The contractor shall provide or fix requisite M.S. saddles cover cubes to hold reinforcement in R.C.C. slab work and tapered T.W. plugs of required size in B.B. Masonry wherever directed without any extra cost.

65. Wherever the items under this contract includes finishing the rate of the item includes the cost of the finishing, nothing extra shall be paid for finishing and also for such additional thickness nothing shall be paid where the cubical content or the specified content is the unit of measurements.

66. Wherever goal's channels, chambers, open drains in flooring are required to be carried out, nothing extra be paid for such work in measurement and only measurement for flooring shall be paid, without any allowances for such curvatures horizontally or vertically. Similar will be case in case of cement plaster or in other items where plaster has to be provided as in case of R.C.C. works.

67. Wherever not specifically mentioned in the description on of the respective items of their corresponding specifications the following proportions shall be used for item of work involving use of cement.

- |     |   |                      |
|-----|---|----------------------|
| (a) | Cement mortar for masonry<br>except half brick masonry. | 1:6                  |
| (b) | Cement plaster  | 1:4 for inside       |
| (c) | Cement plaster  | 1:3 for outside      |
| (d) | Cement concrete bedding                                 | for foundation 1:4:8 |
| (e) | Cement concrete for flooring                            | 1:2:4                |

68. Where not specifically mentioned in the respective item and specification, thickness of following items on work shall be as under :-

- |     |                            |   |
|-----|----------------------------|---|
| (a) | Cement plaster             | 19 mm thick outside.<br>13 mm thick inside. |
| (b) | Cement concrete bedding    | 120 mm thick.                               |
| (c) | Brick bat concrete bedding | 120 mm thick.                               |

Contractor                      No. of correction      Chief Officer

69. All the wood work, iron steel work, shall be given 3 coats of oil paint of approved quality. The rates of items include all these works and no extra payment shall be made for the same. The rate of W.C.C.I. items includes finishing as stated above.

70. Cement plaster finish up to top of plinth shall be sand finished if required an finish above plinth level shall be smooth finished.

71. The contractor shall provide cement wattas directed for sinks, baths and water closets at the junction, of walls and chajjas and slab with parapet wall or making the watertight for which no extra payment will be made. In the case of all sinks and bath rooms and W.C.'s the top of depressed slab and sides shall be coated with 2 coats of hot Industrial Asphalt forensuring water tightness for which nothing extra shall be paid. the Industrial Asphalt will be Bharat refineries. Hindustan Petroleum Caltex and will be applied in 2 coats at the rate of 2.44 kg /5 Sqm. of area in hot liquid state heated to 204 °C

72. The contractor shall provide adequate slope in the floors of lofts and slabs including terraces for effective disposal of water and shall provide at the junction of the slabs with the walls. Cement watts with asphalt joints 30 cm. in height, asphalt strip 38 cm. in width if directed by the Chief Officer for which nothing extra shall be paid.

73. The contractor shall arrange slope of flooring as directed and shall also arrange for holes through sinks, W.Cs. and baths for passages of water used for washing of cooking platforms, sinks etc. The verandahs should be properly sloped for effective and proper disposal of rain water spots.

74. Whenever asphalt bitumen etc. as may be stated in his tender, for the purpose of filling expansion joints or water proofing the terrace on sides etc. only standard materials of reputable companies viz. Bharat refineries Hindustan Petroleum COUNCIL be used. The mark and kind of material shall be got approved from the Engineer-In-Charge before purchasing the materials from the Company Only such approved materials be used in the work.

75. All molding in cement plaster etc., shall be as per drawing and painted as directed for which nothing extra will be paid.

76. Before doing in the bedding in the depression kept for fixing W.C. block industrial asphalt 116 of Bharat refineries or similar material of Hindustan Petroleum COUNCIL shall be applied in two costs of 2.44 kg. / Sqm. of area in not liquidated stage but heated to a temperature of 204 ° C. The materials around holes kept for pipes etc and around the sides completed as directed for which nothing extra shall be paid.

77. The contractor shall have to connect the internal water supply with the external water supply arrangements without any extra cost.

78. The contractor shall provide at every hydraulic device “Y joints as per drawing if so directed by the Engineer-In-Charge Also down take pipes from over head tanks to ensure constant supply of water for various taps in the tenements. without any extra cost. If directed orifices-in all taps of ground floor and floor will be provided without any extra cost. If directed orifices-in all taps of ground floor and floor will be provided without any extra cost.

Contractor                      No. of correction      Chief Officer

79. The contractor shall give hydraulic and smoke tests for the work of all A.C. pipes and fittings and stone ware pipes as directed.

80. Every endeavor shall be made to give clear possession of the site in one lot and if it is not possible to do so the possession shall be in different lots or which delay, no claim shall be entertained. However on such account, necessary extension of the contract period may be considered on application from the contractor at the right time. The contractor shall show satisfactory progress on the building where clear possession of site is given in case of delay action shall be taken as per contract.

81. After the completion of the job, the contractor shall remove forthwith all his serviceable materials from site of works and all unserviceable debris shall be dumped and leveled as ordered within the CMC area if required or otherwise shall remove the same from site of work if so ordered without any extra cost.

82. After the completion of the job the contractor shall thoroughly clean and wash with acid if necessary all the floors, W.C's. basins, sanitary and water fitting etc., and take necessary precautions to see that they are no way spoiled till actually handed over.

83 (a). Contractor shall after completion of work have to obtain necessary certificate from Municipal Sanitation and anti-malaria authorities for securing water supply from Hydraulic Department. He shall also have to obtain all the required certificates (No objection certificates, plinth certificates etc.) of various departments of the local authority and furnish a completion certificate of building constructed of local Authority.

83 (b). The contractor shall obtain necessary 'No Objection Certificate' from the Health Department, Municipal COUNCIL or concerned local Authority under Maharashtra Non-biodegradable Garbage. (Control) ordinance 2006 (Mah. ord. IV of 2006) and Maharashtra Plastic Carry bags (Manufacture & usage) Rules 2006 and shall bear all the expenses towards this and no claim what so ever will be entertained by CMC.

84. All the items of building work and all the water supply and sanitary installations shall be maintained by the contractor through the progress of work and for a period of 12 months after the occupation of the tenements During this period all defective works and leaky fitting or defective items as pointed out by the Chief Officershall be replaced by the Contractor failing which, the needful will be done at their risk and cost. This decision of the Chief Officerin this behalf will be final and binding on the contractor.

85. All items of work shall be completed and thoroughly finished in fine work-man-like manner as per directions of the Chief Officeror his representative before the work is handed over.

Contractor                      No. of correction      Chief Officer

86. After completion of the work the theoretical quantity of cement to be used on the work shall be calculated on the basis of the B & C ( P. W. D.) CHIPLUN Div. cement consumption statement showing the quantities of cement to be used in different items of works and whose standard are not shown in the statement, it shall be calculated on the basis of standard formula that may be in use for, in the Maharashtra Public Works Department. over this quantities of cement theoretically calculated. The following variation will be allowed for wastage, making of cement platforms, water tanks etc.

- |   |    |
|---|----|
| a) For the works below 2 lack               | 5% |
| b) For the works between 2 lacks to 5 lacks | 4% |
| c) For works above 5 lack.                  | 3% |

87. The difference in quantity of cement actually issued to the contractor and theoretical quantity including permissible variation if not returned by the contractor shall decamped to be unaccounted, and the cost of same shall be recovered at twice the issue rate including storage charges without prejudice to the provision of the relevant conditions regarding the return of the materials governing the contract. In the event of its being discovered that the quantity of cement used is less than the quantity as ascertained as herein before provided following the quantity of cement not so use shall be recovered from the contractor on the basis of stipulated issue rate including storage charges and cartage to site.

88. The provisions made above in item No. 86 to 87 are with out prejudice to the right of the CHIPLUN MUNICIPAL COUNCIL to take action against the contractor for not doing the work according to the prescribed specification

89. In case the work is to be stated and constructed on existing bored pile, pile caps and the beams the new work is to be bounded perfectly with the existing work as directed , Extra anchor bars for binding the new work with the existing work shall be provided wherever required as directed without any extra cost.

90. As per the statements of Weights and measures Act 1955 stipulations have been made in metric systems only and wherever the corresponding equivalent figures in the British unit have been given, the same should be taken as general guidance only. All the materials etc. required for the work wherever possible shall be provided in the metric units only, however no extra payment or reduction in rate shall be considered what-s-0ever where the materials or item is provided in British units for little variation than the exact equivalent of what has been stipulated in the metric system in the tender.

91. Wherever the building materials are manufactured in the metric units and are available in the market, only such materials manufactured in metric units shall be used, in case the material is not manufactured in metric system then only the material manufactured in British Unit shall be used after obtaining written permission form the Chief Officer.

92. For R.C.C. work and M. S. Reinforcement and cement concreting work shall be paid separately. The mode of measurements and other details for M.S. reinforcement shall be as per specification for item No. 10 of the section B on page No. 64 to the standard specification book of Govt. of Maharashtra (commonly known as "Red Book") specification attached shall however have precedence and the contractor should please read them carefully.

93. All the building material required for work shall confirm to the relevant I. S. Specifications as named to from time to time.

94. Whatever pipe lines (water as well as drainage) would be passing under or by the side of Buildings will have to be changed realigned as directed without any extra cost. material will be

provided by the Department and the labour will be of the contractor. The work on water supply line will have to be done during non supply hours.

Contractor                      No. of correction      Chief Officer

95. A contractor shall comply with the provisions of the apprentices Act 1961 and the rules and orders issued there under from time to time. If he fails to do so, his failure will be a breach of contract and the Chief-Engineer, may in his discretion, cancel the contract. The contractor shall also be liable for any violation by him of the provisions of the Act.

96. The successful tenderer will be required to produce to the satisfaction of the specified concerned, authority a valid and concurrent license issued in his favor under provision of the contract labor (Regulation and Abolition Act 1970, before starting the work, On failure to do so the acceptance of the tender shall be liable to be with-drawn and also earnest money forfeited.

97. The contractor shall get the items of the work of sanitary and water supply through licensed plumbers and should also give the name and address of the license plumbers with Municipal COUNCIL, license No. to be engage on work while quoting tendering for the work.

98. A. In case of errors omission and or disagreement between written and sealed dimensions on the drawing or between and specifications etc, the following order of preference shall apply.

- 1 .Between actual sealed written dimension or description on a drawing the latter shall be adopted.
2. Between the written or shown descriptions of dimension in the drawing and the corresponding one in the specification the latter shall apply.
3. Between the quantities shown in the Schedules or quantities and those arrived at from the drawings latter shall be preferred.
4. Between the written description of the item in Schedule of Quantities and the detailed description in the specifications of the same item the latter shall be adopted.

B. In case of differences between rates written in figures, and words, the rate adopted by the contractor for working out the total amount of the item will be taken as correct. In other cases, the correct rate would be that which is Lower.

C. In all cases of omission and or doubts and/or discrepancies, in the Chief Officer whose elucidation (elaboration) or decision shall be considered as authentic. The Contractor shall be held responsible for any errors that may occur in the work through lack of such reference and precaution.

99. To determine acceptable standard of materials and workmanship a sample tenement / block shall be constructed by the contractor complete in all respects including building work fittings water supply plumbing sanitation internal painting external paint color scheme and internal electric work,. Work in the sample block will be a few stages ahead of work in other buildings. All item of work in the sample block will be executed under close supervision of the Chief Officer in charge. On completion, each of these samples of items of work/ trade approved by the Chief Officer will be enclosed as 'Guideline Samples'. These will then serve as guiding samples to that further work is executed in strict conformity with materials and workmanship of the sample block.

100. In view of keeping proper record of actions taken from time to time respect of project for proper quality assurance it is to maintain a systematic record in single register for building works . The printed copies of the site registers are available with the respective Chief Officer at cost of Rs. 700/- per copy. Contractor is to purchase register at their cost as given above before

commencement of the work and should make it available to the concerned Deputy Engineer during execution of work.

Contractor                      No. of correction      Chief Officer

101. In order to have good quality of reinforcement and structural steel confirming to relevant I.S. Specification, it should be procured from main Producers only.

102. Contractor shall take out necessary Insurance Policy / Policies (viz. Contractor's All Risks Insurance Policy, Erection All Risks Insurance Policy etc. as decided by the Directorate of Insurance) so as to provide adequate insurance cover for execution of the awarded contract work for total contract value and complete contract period compulsorily from the " Directorate of Insurance, Maharashtra State, Mumbai " only. Similarly, all workmen's appointed to complete the contract work are required to insure under workmen's compensation Insurance Policy. Insurance Policy / Policies taken out from any other company will not be accepted. If any contractor have effected insurance with any Insurance Company, the same will not be accepted and the amount of premium calculated by the Directorate of Insurance will be recovered directly from the amount payable to the Contractor for the executed contract work.

103. In the event CMC orders to conduct function of foundation laying stone or Bhoomipoojan or inaugural marble plate & contractor shall be paid only for the quantities executed for providing marble plate at the current schedule rates.

104. It shall be the responsibility of the contractor to get all the building material tested prior to its use at the required frequency and produce original test reports to the Municipal Engineer and after his permission, use such materials in the work. The Chief Officer-I shall have right to reject the work done by the contractor, if this condition is not complied by the contractor.

105. The successful tenderer will have to produce following documents immediately after intimation is received from the Chief Officer.

- i) Registration certificate in original with one attested copy.
- ii) Solvency certificate in case the All the Contractors
- iii) Partnership deed, power of attorney or undertaking of proprietary concern (as the case may be).
- iv) Bar chart showing how contractor is intending to complete different items in the work in the tender period. (This bar chart will be operative from the date of work order).
- v) Rate analysis of all the major items justifying the tender percentage quoted by him.

106. The contractor shall obtain necessary 'No Objection Certificate' from the Health Department, Municipal COUNCIL or concerned local Authority under Maharashtra Non-biodegradable Garbage. (Control) ordinance 2006 (Mah. ord. IV of 2006) and Maharashtra Plastic Carry bags (Manufacture & usage) Rules 2006 and shall bear all the expenses towards this and no claim what so ever will be entertained by CMC.

107. The skilled construction workers engaged on site of work / project by the contractor / agency shall be trained by Builder's Association of India's Training Institution and shall be possessing certificate there of issued by NCCET which is a body set up by BAI to develop strategies to perform the tests. The construction agency / contractor shall get the necessary orange band and green band certificate issued by NCCET for each and every skilled construction workers to be engaged on the project site. The construction agency should ensure that skilled construction workers engaged on the work site are trained by BAI and all are having orange band and green band certificate issued by BAI's National Council for construction Education and training.

108. ज्या निविदादाराकडे / कंत्राटदाराकडे सर्विसटॅक्स/ GST रजिस्ट्रेशनचेसर्टिफिकेशनसेल,त्याकंत्राटदाराच्या कामाप्रित्यर्थदेयंकामधूनसर्विसटॅक्सची रक्कम नियमानुसार कापून घेवून ती डिपॉजिटमध्येठेवण्यातयेईल . सदर

रकमेचा परतावा कंत्राटदाराने कामाप्रित्यर्थ सर्विसटॅक्स संबंधित खात्याला भरल्याची मूळ पावती मंडळास सादर केल्यानंतरच देय होईल . जर निविदाकाराने/ कंत्राटदाराने सर्विसटॅक्सरजिस्ट्रेशन सादर केले , तर देयकामधून सर्विसटॅक्स कापला जाणार नाही.

Contractor No. of correction Chief Officer

109. The contractor shall strictly adhere to the quality of material be used during the construction. The contractor shall use those materials specified and approved by the Chief Officer in charge for the purpose of construction. During the course of construction, Chief Officer in charge of the construction or by the application of any person under Right to information Act 2005. A sample of materials being used on the site can be taken as per the procedure prescribed by the CMC for laboratory testing. In case, if, it is found that, material being used is not as per the specifications or not as per the quality then Chief Officer shall be held responsible for severe action and the contractor shall be made liable to pay the compensation. The Chief Officer under whose superintendence and over all control works are getting executed on behalf of CMC shall decide such issues immediately. In addition to this, the contractor shall also be liable for replacement of the entire material which was found defective during the course of inspection on the report of laboratory test. The contractor shall also reimburse all the expenses which are required to be paid to the person applying under Right to Information Act 2005. The decision of the Chief Engineer (officer duly authorised by CMC /). In this respect shall be final and binding on the contractor.

110. The labour welfare fund will be deducted at 1% from R.A. bill as per Govt. letter No. BCA / BLDG / 2004 PK / 108 / labour 7A/ Industrial Labour Division Mantralaya, Mumbai.

111. The Insurance premium will be deducted at 1% if the tender cost is above of Rs.25 Lakh & at 0.50% if the tender cost is below of Rs. 25 Lakh from 1<sup>st</sup>R.A.Bill as per resolution No. PVN / 2309 / CMC / Insu. Dt. 17/07/2010.

112. All external services such as Roads, SWD, drainageline, watersupply line, electric supply line etc. shall be handed over to respective local bodies/authorities/departments by the contractor at his own cost. The necessary charges if any, payable to local body/department shall be borne by CMC. It is responsibility of contractor to handover all the services to Local Authorities, Until final Bill will not be paid to Contractor

113. The Project is under financial assistance of AMRUT. The Guidelines / Conditions Under AMRUT scheme are applicable for this project. The Details of scheme are mentioned in the Mission Document which is available Urban Development Ministry's website of Govt of India.

114. Final Bill of Work will be cleared on closing of all outstanding paras of vigilance & Quality Control/ Authority & Technical Audit by Third Party, Quality Monitoring Agency- T.P.Q.M.A appointed by Mission Director / AMRUT

115. Defect Liability period of the said work is ONE years. Contractor should make his / her own arrangement for water supply from nearby source or by the help of borewell at his / her own expenses. Necessary permissions will be given by CMC for the same. Required capacity submersible pump also should be installed on the same with own expenses. After completion of Defect liability period, this assembly of borewell and pump in running conditions should be handed over to CMC free of charge unconditionally.

116. Rates quoted by the contractor should be inclusive all the taxes, lavies and duties like Octroi, Service Tax, GST and any other taxes as applicable. It will be fully responsibility of the contractor to abide by the rules and regulations of Department of Finance GOI and GOM and any other such department concerned.

117. Thorough cleaning of the site should be done by the contractor with his/ her own expenses.

118. Total station survey of the site if required to be done by the contractor with his/ her own expenses. The soft copy of the survey plan in .dwg format is to be provided to the consultant & CMC for any alterations in planning if required without any extra charges.

119. Contractor should make his / her own arrangement for water supply from nearby source or by the help of bore well at his / her own expenses. Necessary permissions will be given by CMC for the same. Required capacity submersible pump also should be installed on the same without expenses. After completion of Defects liability period, this assembly of bore well and pump in running conditions should be handed over to CMC free of charge unconditionally.

Contractor	No. of correction	Chief Officer
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## ACCEPTABLE STANDARDS OF MATERIALS IN USE

## ACCEPTABLE STANDARDS OF MATERIALS IN USE

Sr. No.	Material	Lab Tests	Acceptable Standards	Freq. of Testing	Sampling as per IS Code
1)	Cement 43 Grade	a) Fineness	After sieving the residue by weight on 90 micron I.S. sieve not to exceed 10%. Specific surface Sqcm/gm by air permeability method not less than 225 Sqmt/kg.	One test for Each consignment of 50 M.T. or part thereof	IS : 3535:1986
		b) Soundness	When tested by “Le_Chatelier method” cement shall not have an expansion of more than 10 mm.	----- do -----	
		c) Setting Time	Initial setting time shall not less than 30 min. Final setting time not more than 600 min.	----- do -----	
		d) Compressive Strength N/mm2	33 43 53 Grade                      GradeGrade	----- do -----	
		3 days.	16.00 27.00	23.00	IS 3535 : 1986
		7 days	22.00 37.00	33.00	
		28 days	33.00 53.00 1) 33 Grade – IS 269:2013 2) 43 Grade – IS 8112:2013 3) 53 Grade – IS 12269:2013 4) PPC - IS 1489 (Part-) :1991	43.00	
2)	Sand	a) Fineness Modulus (By Sieve Analysis)	Shall not be more than 3.0 for masonry and first coat of plaster.	40 cum or part thereof	IS 2430 : 1986

			Shall not be more than 1.60 for second coat of plaster. IS 383:1970		
		b) Slit content	Not to exceed 5 % by weight IS 2116:1980	Every 20cum or part thereof consignment IS2430:1986	
3)	Coarse Agreegate	a) Foreign matter i) Coal & Lignite	Limits of Deleterious Materials Not to exceed 1% by weight.	On change of source IS 2430:1986	IS 2430 : 1986
		ii) Clay Lumps	Not to exceed 1% by weight.		
		iii) Materials Finer than 75 micron I.S. sieve	Not to exceed 3% by weight.		
		iv) Other deleterious materials	The Total % of deleterious substances shall not exceed 5% by weight		
		b) Aggregate crushing value	Shall not exceed 45% for aggregates used for concrete other than wearing surface & 30% for wearing surface.	Testing on Change of source	Is 2430 :1986
		c) Aggregate Impact value	Shall not exceed 45% for aggregates used for concrete other than wearing surface & 30% for wearing surface.	Testing on Change of source	
		d) Los Angeles Abrasion value	a) Aggregate for wearing surface concrete work 30% b) For other Concrete work 50% IS 383:1970	Testing on Change of source	
4)	Bricks A) Ist Class	a) Water absorption b) Crushing strength i) Dry ii) Wet	Not to exceed 20% by weight  Not less than 43.7 Kg/Sq.cm. Not less than 32.8 Kg/Sq.cm.	One set of test on 5 bricks out of every consignment of 50000 bricks	IS 5454 : 1978
	B) IInd Class	a) Water absorption b) Crushing strength i) Dry ii) Wet	Not to exceed 22%.  Not less than 39.33 Kg/Sq.cm. Not less than 29.52 Kg/Sq.cm.	One set of test on 5 bricks out of every consignment of 50000 bricks	
5)	Stone	Water absorption	Not to exceed 5%	Testing on	

					Change of source.	
6)	Cement Flooring Tiles	a) Water absorption	Not to exceed 10%		One set of test on 6 tiles for every 2000 tiles.  One set of test on 6 tiles for every 2000 tiles.	IS :4905:1968
		b) Transverse strength	Not less than 3.0 N/mm <sup>2</sup> for wet test			
		c) Resistance to wear	The average wear shall not exceed 3.5mm & wear on any individual specimen shall not exceed 4mm for general purpose tiles IS 1237 : 2012			
7)	Cement Concrete Cube		Compressive Strength Kg/Sq.cm.		6 Nos of cubes for every 15.00 m <sup>3</sup> or less quantity per day IS 456:2000 & IS 1199	IS 456:2000 & IS 1199
			7 days	28 days		
		M 10	67	100		
		M 15	105	150		
		M 20	135	200		
		1 : 2 : 4	105	158		
			IS 456:2000			
8)	Mild Steel	a) Tensile test Properties	Nominal size of bar	M.S. Grade I	One sample	IS:2062-2011
		i) Ultimate tensile stress N/Sq.mm	All sizes	410.00 (min.)	For every Consignment of 5 M.T.	
		ii) Yield stress N/Sq.mm.	Bars upto& including 20mm. Bars over 20 mm. upto& including 50 mm.	250.00 (min.) 240.00 (min.)		
		iii) Property	Nominal size of bar	M. S. Grade I		
		Elongation minimum on gauge length 5.65 ( cross sectional area)	For bars 5mm to 50mm mm.	23.00	For every consignment of 5 M.T.	
		iv) Tolerance in Weight for each batch	1. Upto and including 10mm 2. Over 10mm	+ or - 7 % + or - 5 %	For every consignment of 5 M.T.	

			&upto 16mm 3. Over 16mm	+ or -3 %		
9)	H.Y.S.D. Steel / Deformed bars for Fe 415	Minimum Ultimate tensile stress N/Sqmm  Minimum Yield stress N/mm2  b) Elongation & minimum on gauge 5.65 (cross sectional area)  c) Toierance in weight	For bars 4 mm to 50 mm  4mm to 50mm  14.5%  3. Upto and Including 10mm 2. Over 10mm Upto 16 mm 3..Over 16 mm	485  415    +or - 7%  + or - 5% + or - 3%		For every consignment of 50 M.T.  For every consignment of 50 M.T.
10)	TMT Steel	a) Tensile strength Kg/Sq.mm	10% greater than the measured yield stress			One sample For every consignment of 5 M.T.
		b)Yield stress (0.2 % proof stress) min. Kg/Sq.mm	1. Bars upto& including 20 mm 2. For bars over 20 mm upto and including 40 mm 3. For bars over 40mm	42.5 Min. 42.5 Min. 42.5 min.		
		c)Elongation % (min.) on gauge length 5.65 x (square root of cross sectional area)	14.5 %			One sample For every consignment of 5 M.T.
		d) Tolerance in weight	1) Upto and including 10 mm 2) Over 10mm & including 16mm 3) Over 16mm	+ or - 7 % + or - 5 % + or - 3 %		
11)	Chequered Flooring tiles	a)Water absorption  b)Transverse strength  c)Resistance to wear	Not to exceed 10%  Not less than 3.0 N/mm2 for wet test IS 1237:2012  The average wear shall not exceed 2 mm & wear on any individual specimen shall not exceed 2.5 mm for heavy duty tiles.		One set of test on 6 tiles for every 2000 no. tiles IS 1237:2012	IS 4905:1968
11)	Autoclaved Cellular Concrete block (A.A.C. Block)	a) Density Test  b) Compression Test	IS 2185 ( Part 3 ) : 1984 Table - 1		One set of 15 Blocks for every Batch / consignment lot of 10,000 blocks IS2185(part3):1984	IS2185(part3): 1984
12)	Solid Precast Cement Concrete block	a) Density Test  b)Compression Test  c) Absorption test	IS 2185 (part-1) : 2005 Table - 2		One set of 14 Blocks shall be taken from every lot / consignment lot of 5000 blocks IS2185(part1):2005	IS2185(part1): 2005

13)	Ceramic tiles / Vitrified tiles	a) Water absorption test b) Modulus of rupture	IS 15622 : 2006 Table – 09 to 12	One set of 14 tiles for every lot of more than 1000 m2 to 5000 m2 of tiles IS 13630(part 15) : 2006	IS 13630(part 15) : 2006
14)	Paver Block	a) Water absorption test b) Compression test	IS 15658 : 2006 Table – 1 & Table -3	One set of 11 block for every consignment of 50,000 Blocks IS 15658 : 2006	IS 15658 : 2006
15)	Timber	a) Moisture Content test b) Density test	IS:287:1993 Table No. 1	Every one cum or part thereof	Is :8720 : 1978 &IS :1708 : 1986
Sr. No.	Material	Lab Tests	Acceptable Standards	Freq. of Testing	
10)	Flush door shutter	1) Knife test	The result shall be reported as pass standards, excellent or poor. Door shutter designated as poor shall be declared as unsatisfactory.	No. of Shutters 26-50 51-100 101-150 151-300 301-500 501 & above	Sample size 1 2 2 3 4 5
		2) Glue adhesion test	A specimen shall be considered to have passed the test if no delamination has occurred in the glue lines in the plywood or if no single delamination more than 50mm in length and more than 3mm in depth has occurred in the assembly glue lines between the plywood and stile and rail.	----- do -----	
		3) End immersion test	There shall be no delamination at the end of the test	----- do -----	
		4) Impact indentation test	If the average of all the tests on a face is less than 100N, the shutter shall be deemed not to have passed the test	One sample up to 1000 shutter's of the same size.	
		5) Slamming test	There shall be no visible damage caused to any part of the door by 10 successive impacts.	----- do -----	
		6) Screw holding Power test	The required load to withdraw the screw from the face as well as from the edge of the door shutter completely shall not less than 1000N. On withdrawal there shall be no visible damage to the surface either by delamination or extra chipping off at the points of withdrawal.	----- do -----	
11	Water		Requirement (Desirable limit)	Frequency of Testing	

	1) Ph Value	Shall not be less than 6	One sample must be tested. Further testing will be necessary for every change of source.
		(Following values are in mg/litre maximum)	
	2) Total dissolved solids	500 mg /l	
	3) Total hardness as CaCO <sub>3</sub>	300mg /l	
	4) Chlorides (as Cl)	500 mg/l (R.C.C.), 2000 mg/l (P.C.C.)	
	5) Sulphates as SO <sub>4</sub>	400 mg/l	
	6) Fluorides (as F)	1.00 mg/l	
	7) Nitrates as NO <sub>3</sub>	45 mg/l	
	8) Calcium as Ca	75 mg / l	
	9) Organic solids	200 mg / l	
	10) Inorganic solids	3000 mg / l	
	11) Suspended matters	2000 mg / l	

Sr.No.	Type of Materials	I.S. Code No.	Type of Tests
1.	Bib Taps, Stop Valves	IS - 781 of 1984	Internal Hydraulic Pressure
2.	Sluice Valve	IS - 14846 of 2000	Hydrostatic Test
3.	Water fittings	IS - 1703 of 2000	Hydraulic Test
4.	Door Handles	IS - 208 of 1996	Dimensional Requirement
5.	Tower Bolts	IS - 204 (I) of 1991	Dimensional Requirement
6.	Aldrops	IS - 2681 of 1993	Dimensional Requirement
7.	Plastic Seats and Covers for Water Closets	IS - 2548 (I) of 1996	(i) Strength test of seat (ii) Impact Resistance Test (iii) Water Absorption Test
8.	Plastic Flushing cistern for water closet and urinals.	IS - 7231 of 1994	(i) Distortion of Dead Load Test (ii) Impact Test
9.	Cast Iron Manhole Covers and Frames	IS - 1726 of 1991	Load Test
10.	Asbestos Cement pipes and Corrugated / Semi Corrugated Sheets	IS - 5913 of 2003	(i) Water Absorption Test for Pipe and Sheets (ii) Impermeability Test for AC Sheet (iii) Acid Resistance Test for AC Pipe and AC Sheet (iv) Load Bearing Capacity Test for AC Sheet (v) Hydraulic Pressure Test for AC Pipe (vi) Transverse Crushing Test for AC Pipe (vii) Hydraulic Bursting Test for AC Pipe (viii) Longitudinal Bending Test for AC Pipes of 150 mm dia. and less. (ix) Straightness Test for AC Pipe (x) Frost Cracking Test for AC Sheet
11.	Paints		
	(a) Red Oxide Primer	IS - 123	Test as per I.S.
	(b) Synthetic Enamel	IS - 101 / IS - 2932	Test as per I.S.
	(c) Plastic Emulsion	IS - 541 / IS - 101	Test as per I.S.
	(d) Cement Paint	IS - 541 / IS - 101	Test as per I.S.
	(e) Oil Bound Distemper	IS - 427 / IS - 101	Test as per I.S.
<p>Note :- It shall be the responsibility of the contractor to get forwarding letter addressed to in-charge of laboratory, signed from the D.E. / E.E. well in advance &amp; obtain &amp; produce test reports to E.E. prior to such materials are actually used by him in the work.</p>			

Contractor

Chief Officer,  
CMC, CHIPLUN.

**LIST OF APPROVED ELECTRICAL MATERIAL MATERIALS ( INTERNAL ELECTRIFICATION)**

The materials accessories fittings etc. to be used on the electrical and pumping works shall be one of the following particular make. The descreation of selection of any particular make shall rest with the Chief Officer-in-charge of the work and same is binding on the contractors.

Sr. No.	Materials	Make
1.	PVC insulated and shathed wires, alluminium conductors 650 volts grade (I.S.I.) marked strictly confirming to latest I.S. specification.	ICC,Nicco, Gloster, Sybvex, V-Plast, Pyroflex, New-Cab,Gulmarg, Paragon, Polycab, Vishal, Rolicab, Fixocab, Mahindra, Finolexa, Sunlight, Sriram.
2	Heavy duty armoured cable / unarmed cables 1100 volts grade with copper or alluminium conductors to IS specification.	Sylvex, Gloster, Asian, Apar, Space-cab, Gulmarg, ICC, CCI, Polycab, Vishal, Rolicab, Fixocab, Mahindra, Ashoka, Sunlight, Sriram.
3	Single pole tumbler switch 5 Amps. 15 Amps. BK with porcelain base with bakelite cover (I.S.I. marked)	Kalki, Precious, Safran, Khosla, Kay (s) Leader, Veto, Cona, Standard, Armlite, CPL, Precision, Modern, Shoper MK, Western.
4	3 Pin plug socket 5 Amps 15 Amps porclain base with bakelite cover (I.S.I) marked.	Kalki, Precious, Safran, Khosla, Kay (s) Leader, Veto, Cona, Standard, Armlite, CPL, Precision, Modern, Shoper MK.
5	Coiling rose all bakelite.	Kalki, Precious, Safran, Khosla, Kay (s) Leader, Veto, Cona, Standard, Armlite, CPL, Precision, Modern, Shoper MK,
6	Skirty type angle holder, batten holders, pendent holders, (all of Shite) with internal brass ring heavy duty type.	Kalki, Precious, Safran, Khosla, Kay (s) Leader, Veto, Cona, Standard, Armlite, CPL, Precision, Modern, Shoper MK,
7	Flush type coiling rose / (white) heavy duty.	Kalki, Precious, Safran, Khosla, Kay (s) Leader, Veto, Cona, Standard, Armlite, CPL, Precision, Modern, Shoper MK,
8	Flush type switches 3 Pin plug and other accessories (I.S.I.) marked white.	Kalki, Precious, Safran, Khosla, Kay (s) Leader, Veto, Cona, Standard, Armlite, CPL, Precision, Modern, Shoper MK.
9	Ticino type D.P. switches 30 Amps 250 volts (heavy duty with incicator lamp and white cover.)	Kalki, Precious, Safran, Khosla, Kay (s) Leader, Veto, Cona, Standard, Armlite, CPL, Precision, Modern, Shoper MK, Western.
10	W.T. Bulked fitting (Deluxe type) conduit entry type only.	Glokite, Bajaj, G.E.C., Philips, Crompton, Monarch, Altralite.
11.	Iron and brass screws.	Nettle-fold only (GKW)
12	M.F. Lamps 230/250 volts, (I.S.I. marked)	Philips, Osram, Bajaj, Crompton, Bengal, Mysore, Elecron H.M.T.
13	Motal clad distribution board DPIC / switch with rewireable fuses and change over switches.	Stanley, Sentinel, Kalki, Paras, KEW, Joshica, Ketco, Slater.
14	Wall plugs (PVC)	Pylo-Grip (PVC) or equivalent approved make and quality.
15	T.W. board and blocks (Front planks shall be in one piece for blocks up to 8 x 10 size. For larger sizes the same may be in two pieces, bottom piece carved with top plank. As per plan or as per approved sample.	Double folding polished board made from good teak wood (if specified and covered with sunmica) 1.5 mm thick.
16	Bolls or Buzzors (Double magnet coil 250	Veto, Edision, Philips, Leader, Glolite, Fider, Homa.

	volts) and Ding Dong bells.	
17	Fluorescent tube light fitting (with copper choke only) and mercury vapour lamps fittings complete and accessories.	Glolite, Crompton, Kalki, Philips, G.E.C. Bajaj, Monarch, Altralite, Mysore.
18	Coiliffans (double ball bearing type)	Crompton, G.E.C. Usha, Orient, Innova, Almonarch, Bajaj
19	Pedestal type and wall fans.	Rallifan, Crompton, Orient, Innova, Almonarch, Usha, Bajaj
20	MCB's (ISI marked)	MDS, Standard, Datar, Schemes, LT, Vorsatrip Indo-Asina, Havells.

Sr. No.	Materials	Make
21	Automatic pump controller.	Syntronics or equivalent approved make.
22	PVC insulated and PVC sheathed wire.	Sylvex, V-Plast, Sandeep, Puroflex, Relicab, Polycab, Fixocab, Gloster, Finolex, Colt, Gulmarg, Vishal, Nicco, of ISI marked.
23	Monoblock pump set	Beacon
24	Direct on line and star delta starter (Air break fully automatic push button type)	Siemens / LT / LK
25	TPIC switches with HRC fuse	English Electric, Siemens, LT/LK, Standard, Havells.
26	Ammeters, Viltmeters	Automatic Electric
27	Rotary selector switches for Ammeters and Viltmeters	LT/LK, Kaycee, Thakoor
28	Heavy duty gun – metal full way / sluice valve	Leader, Sant, New, Pearl, Confirming to latest IS Specification preferably ISI marked and approved by MCGB.
29	Heavy duty gun – metal non return or reflux valves (vertical / horizontal)	Leader, Sant, New, Pearl, Confirming to latest IS Specification preferably ISI marked and approved by MCGB.
30	Indicator lamp ( 1' dia)	Siemens, Esson, STM or Technik or equivalent approved make.
31	M.S. Nut - bolts	Tata, GKW, Ashok, Fit-tight or equivalent heavy duty of approved make.
32	E.L.C.B. (ISI marked)	L.T. Havells, Standard, Siemens, Datar, Delta, Neptune, Electoguard or equivalent make approved by respective supply co.
33	Capacitors (Metal Dielectric) type	Any ISI marked of approved make
34	Heavy duty cast iron sluice valve (As per ISI) 780 and 2906 :1984	Kirloskar, HVC, IUI, Burn or equivalent approved make.
35	Lift Elevator	KONE, Schindler, OTIS, Thyssen Group

Sr. No.	Materials	Make
36	Heavy duty cast iron non return : and reflux valve with by pass arrangements (As per IS – 5312 Part	Kirloskar, Bondeo or any approved confirming to latest I.S. specifications.

	-I / 1969)	
37	Cast – iron heavy duty spring loaded foot valve with internal gun metal parts.	Swati makes.
38	Transformer oil (ISI marked) (with high viscosity)	Asian, Power – oil or any equivalent approved make.
39	PVC casing and capping and accessories (As per ISI)	Precision , Circle-Ark, Diamond, Royal, Plast, Swastik, Asian.
40	Rigid, HMS PVC conduits and accessories, (ISI marked with embossing)	Asian, Diamond, Swastik, Circle-Ark, Precision
41	Pressure Gauge.	Uday, Fie-big

And the material approved by the CMC

Note : Government of India has notified certain Electrical materials to be used on the works shall be of ISI marked only. In such cases, only ISI marked materials shall be allowed to be used on the work which shall be noted and ascertained by contractors before quoting their rates, although a number of makes are mentioned above. All materials must confirm to latest I.S. specifications applicable.

Contractor

Chief Officer,  
CMC, CHIPLUN.

# STANDARD CEMENT CONSUMPTION



## STANDARD CEMENT CONSUMPTION

Sr. No.	Item	Unit	Requirement in bags
<b>PLAIN CEMENT CONCRETE</b>			
1.	Cement concrete (1:1:2)	Cum	9.76
2.	Cement concrete (1:2:4)	Cum	5.84
3.	Cement concrete (1:3:6)	Cum	4.05
4.	Cement concrete (1:4:8)	Cum	3.20
5.	Cement concrete (1:5:10)	Cum	2.52
<b>REINFORCEMENT CEMENT CONCRETE</b>			
6.	Cement concrete M-15 (1:2:4)	Cum	5.90
7.	Cement concrete M-20 (1:1½ :3)	Cum	6.90
8.	Cement concrete M-25	Cum	8.50
9.	Cement concrete M-30	Cum	9.20
10.	Cement concrete M-35	Cum	10.20
<b>BRICK WORK</b>			
11.	B. B. masonry in C.M. 1:6 proportion	Cum	1.44
12.	B. B. masonry in C.M. 1:8 proportion	Cum	1.13
13.	Half brick masonry in C.M. 1:3 proportion	Sqm	0.22
<b>MASONARY</b>			
14.	U.C.R.S. masonry in C.M. 1:6 proportion	Cum	1.77
15.	C.R.S. masonry in C.M. 1:5 proportion	Cum	1.80
16.	C.R.S. masonry in C.M. 1:6 proportion	Cum	1.50
<b>DAMP PROOF COURSE</b>			
17.	Providing and laying damp proof 50 mm thick in (1:2:4)	Sqm	0.35
18.	Finishing the terrace slab 20 mm in cm 1:3 proportion	Sqm.	0.20
19.	Providing water proofing to W.C. and bath	Sqm.	0.276
20.	Providing water proofing to W.C. and bath including brick bat coba	Cum	4.00
<b>PLASTERING</b>			
21.	Providing internal cement plaster 6 mm thick single coat in C.M. 1:4	Sqm.	0.045
22.	Providing internal cement plaster 6 mm thick single coat in C.M. 1:3	Sqm.	0.07
23.	Providing internal cement plaster 12 mm thick single coat in C.M. 1:5	Sqm.	0.08
24.	Providing internal cement plaster 12 mm thick single coat in C.M. 1:4 proportion	Sqm.	0.10
25.	Providing internal cement plaster 12 mm thick single coat in C.M. 1:3 proportion	Sqm.	0.12
26.	Providing internal cement plaster 20 mm thick single coat in C.M. 1:3	Sqm.	0.19
27.	Providing internal cement plaster 20 mm thick single coat in C.M. 1:5 in two coats	Sqm.	0.13
28.	Providing internal cement plaster 20 mm thick single coat in C.M. 1:5 in single coat	Sqm.	0.13
29.	Providing internal cem4 in two coatsent plaster 20 mm thick single coat in C.M. 1:4 proportion	Sqm.	0.15
30.	Providing internal cement plaster 20 mm thick single coat in C.M. 1:3 proportion in two coats	Sqm.	0.19

Sr. No.	Item	Unit	Requirement in bags
31.	Providing internal cement plaster 25 mm thick single coat in C.M. 1:4 proportion in two coats	Sqm.	0.22
32.	Sand faced plaster in two coats	Sqm.	0.22
33.	Rough cast plaster in two coats in C.M. 1:4 proportion	Sqm.	0.22
34.	Providing flush grooving pointing in C.M. 1:3 for brick work	Sqm.	0.03
35.	Providing flush grooving pointing to stone masonry in C.M. 1:3 proportion	Sqm.	0.025
36.	Providing tuck pointing with C.M. 1:3 proportion	Sqm.	0.05
37.	Providing weathered pointing in C.M. 1:3 for single masonry.	Sqm.	0.04
38.	Providing vee pointing for stone masonry in C.M. 1:3	Sqm.	0.03
39.	Providing fine finish 1:5 mm thick over green surface	Sqm.	0.044

#### PAVING, FLOORING, FINISHING AND DADO

40.	Providing and laying R.S.H. flooring 25mm to 30mm thick on bed of 1:6 C.M. and pointing C.M. 1:3	Sqm.	0.135
41.	Providing and laying R.S.H. flooring 40mm to 50mm thick on bed of 1:6 C.M. and pointing C.M. 1:3	Sqm.	0.14
42.	Providing and laying R.S.H. flooring 50mm to 60mm thick on bed of 1:6 C.M. and pointing C.M. 1:3	Sqm.	0.150
43.	Providing and laying polished shahabad stone flooring 25mm to 30mm thick on bed 1:6 proportion	Sqm.	0.13
44.	Providing and laying polished tandur stone flooring 25 mm to 30 mm thick on bed 1:6 proportion	Sqm.	0.13
45.	Providing and laying polished Kotha stone flooring 25 mm to 30 mm thick on bed 1:6 proportion	Sqm.	0.13
46.	Providing and laying skirting and dado of polished shahabad stone 25 mm to 30 mm thick 1:4 C.M.	Sqm.	0.18
47.	Providing and laying skirting and dado of polished tandur stone –do--	Sqm.	0.18
48.	Providing and laying c.c. flooring 40 mm thick with c.c. 1:2:4	Sqm.	0.36
49.	Providing and laying c.c. flooring 50 mm thick with c.c. 1:2:4	Sqm.	0.44
50.	Providing and laying flooring of plain cement tiles of 25 cm x 25 cm on bed 1:6 for flooring	Sqm.	0.15
51.	Providing and laying flooring for dado and skirting on polished surface 1:4 proportion	Sqm.	0.18
52.	Providing and laying coloured tiles 25 cm x 25 cm size for flooring	Sqm.	0.15
53.	Providing and laying coloured tiles 25 cm x 25 cm size for dado skirting	Sqm.	0.18

Sr. No.	Item	Unit	Requirement in bags
54.	Providing and laying white glazed tiles 150 mm x 150 mm for flooring	Sqm.	0.22
55.	Providing and laying white glazed tiles 150 mm x 150 mm for dado and skirting	Sqm.	0.21
56.	Providing and laying gray cement base mosaic tiles for flooring 25cm x 25cm	Sqm.	0.15
57.	Providing and laying gray cement base mosaic tiles for dado 25cm x 25cm	Sqm.	0.18
58.	Providing and laying machine cut white makrana flooring	Sqm.	0.17
59.	Providing and laying machine cut white makrana dado	Sqm.	0.18
60.	Providing and laying in situ marble mosaic		
	Gray cement	Sqm.	0.20
	White cement	Sqm.	0.13
61.	Providing and laying in situ marble mosaic for dado		
	Gray cement	Sqm.	0.20
	White cement	Sqm.	0.28
62.	Providing and laying in required position flooring of broken china	Sqm.	0.30
63.	Providing and laying polished shahabad stone flooring 25 mm to 30 mm thick for tread and riser	Sqm.	0.18

Chief Officer  
 CHIPLUN MUNICIPAL COUNCIL,  
 CHIPLUN.

# SCHEDULE 'A'

(NIL)

# SCHEDULE 'B'

**Schedule 'B'** - MEMORANDUM OF ITEMS TO BE CARRIED OUT

**NAME OF WORK:- PROPOSED MUNICIPAL OFFICE BUILDING AT C.S. NO. 5909, AT- CHIPLUN, FOR CHIPLUN MUNICIPAL COUNCIL, CHIPLUN .**

ITEM NO.	SPECIFICATION	QUANTITY	DESCRIPTION OF ITEM	RATE RS.	RATE IN WORDS	UNIT	AMOUNT
1	BDA 1 Item No. 21.02	1797.130	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical Means	213.55	Rupees Two Hundred Thirteen And Paise Fifty Five Only	Cum	383777.11
2	BDA 1 Item No.21.04	1262.420	Excavation for foundation in earth, soils of all types, sand,gravel and soft murum, including removing the excavated material upto a distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift from 1.5m to 3.0m) By Mechanical Means	266.15	Rupees Two Hundred Sixty Six And Paise Fifteen Only	Cum	335993.08
3	BDA 12 Item No.21.38	611.510	Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thickincluding hand packing and compacting etc. complete.	1768.30	Rupees One Thousand Seven Hundred Sixty Eight And Paise Thirty Only	Cum	1081333.13

4	BDA 11 Item No.21.37	2.500	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete.	837.90	Rupees Eight Hundred Thirty Seven And Paise Ninety Only	Cum	2094.75
5	BDE 2 Item No.24.04	352.340	Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for steps including steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface, only. Newly laid concrete shall be covered by gunnybag, plastic, tarpaulin etc. (Wooden centering will not be allowed.),with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	6780.40	Rupees Six Thousand Seven Hundred Eighty And Paise Forty Only	Cum	2389006.14

6	BDF 3 Item No.25.15	658.310	<p>Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. columns as per detailed designs and drawing or as directed including Steel centering formwork, cover blocks laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)</p>	7916.35	Rupees Seven Thousand Nine Hundred Sixteen And Paise Thirty Five Only	Cum	5211412.37
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7	BDF 5 Item No.25.35	108.900	Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork,cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	14806.40	Rupees Fourteen Thousand Eight Hundred Six And Paise Forty Only	Cum	1612416.96
		82.530	First Floor	14952.35	Rupees Fourteen Thousand Nine Hundred Fifty Two And Paise Thirty Five Only	Cum	1234017.45
		82.530	Second Floor	15098.35	Rupees Fifteen Thousand Ninety Eight And Paise Thirty Five Only	Cum	1246066.83
		121.990	Third Floor	15244.30	Rupees Fifteen Thousand Two Hundred Forty Four And Paise Thirty Only	Cum	1859652.16

8	BDF 6 Item No.25.54	216.870	Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	13243.50	Rupees Thirteen Thousand Two Hundred Forty Three And Paise Fifty Only	Cum	2872117.85
		142.240	First Floor	13373.85	Rupees Thirteen Thousand Three Hundred Seventy Three And Paise Eighty Five Only	Cum	1902296.42
		104.000	Second Floor	13504.20	Rupees Thirteen Thousand Five Hundred Four And Paise Twenty Only	Cum	1404436.80
		150.850	Third Floor	13634.55	Rupees Thirteen Thousand Six Hundred Thirty Four And Paise Fifty Five Only	Cum	2056771.87

9	BDF 8. Item No.25.74	135.460	Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	14960.10	Rupees Fourteen Thousand Nine Hundred Sixty And Paise Ten Only	Cum	2026495.15
		126.920	First Floor	15107.60	Rupees Fifteen Thousand One Hundred Seven And Paise Sixty Only	Cum	1917456.59
		123.150	Second Floor	15255.10	Rupees Fifteen Thousand Two Hundred Fifty Five And Paise Ten Only	Cum	1878665.57
		167.070	Third Floor	15402.60	Rupees Fifteen Thousand Four Hundred Two And Paise Sixty Only	Cum	2573312.38

10	BDF 13A. Item No.26.26	33.270	Providing and laying Cast in situ/Ready Mix concrete in M-25 of trap / quartzite / granite / gneiss metal for R.C.C. Waist slab, and steps of staircases as per detailed design and drawings or as directed including steel centering, plywood/ steel formwork, steel props, laying/pumping, compaction, finishing uneven and honeycombed surface with C.M.1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement, including cover block). (Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc.) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	12840.15	Rupees Twelve Thousand Eight Hundred Forty And Paise Fifteen Only	Cum	427191.79
		17.090	First Floor	12966.45	Rupees Twelve Thousand Nine Hundred Sixty Six And Paise Forty Five Only	Cum	221596.63
		17.090	Second Floor	13092.75	Rupees Thirteen Thousand Ninety Two And Paise Seventy Five Only	Cum	223755.10
		18.530	Third Floor	13219.10	Rupees Thirteen Thousand Two Hundred Nineteen And Paise Ten Only	Cum	244949.92

11	BDF 9. Item No.26.07	0.910	Providing and laying Cast in situ/Ready Mixcement concrete M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	14771.30	Rupees Fourteen Thousand Seven Hundred Seventy One And Paise Thirty Only	Cum	13441.88
		14.490	First Floor	14916.95	Rupees Fourteen Thousand Nine Hundred Sixteen And Paise Ninety Five Only	Cum	216146.61
		15.670	Second Floor	15062.55	Rupees Fifteen Thousand Sixty Two And Paise Fifty Five Only	Cum	236030.16
		15.470	Third Floor	15208.15	Rupees Fifteen Thousand Two Hundred Eight And Paise Fifteen Only	Cum	235270.08
12	BDG 1 Item No.27.01	1.810	Providing second classBurnt Brickmasonry with conventional/ I.S.type bricksin cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually , striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete.	9278.05	Rupees Nine Thousand Two Hundred Seventy Eight And Paise Five Only	Cum	16793.27

		0.000	First Floor	9358.05	Rupees Nine Thousand Three Hundred Fifty Eight And Paise Five Only	Cum	0.00
		0.000	Second Floor	9438.05	Rupees Nine Thousand Four Hundred Thirty Eight And Paise Five Only	Cum	0.00
		0.000	Third Floor	9518.05	Rupees Nine Thousand Five Hundred Eighteen And Paise Five Only	Cum	0.00
13	BDG 5 Item No.27.05	11.300	Providing second class Burnt Brickmasonry with conventional/ I.S.type bricks in cementmortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete	9524.60	Rupees Nine Thousand Five Hundred Twenty Four And Paise Sixty Only	Cum	107627.98
		105.340	First Floor	9607.05	Rupees Nine Thousand Six Hundred Seven And Paise Five Only	Cum	1012006.65
		107.580	Second Floor	9689.50	Rupees Nine Thousand Six Hundred Eighty Nine And Paise Fifty Only	Cum	1042396.41
		217.870	Third Floor	9772.00	Rupees Nine Thousand Seven Hundred Seventy Two Only	Cum	2129025.64

14	BDG 7 Item No.27.06	13.910	Providing second class Burnt Brickmasonry with conventional/ I.S.type bricks in cement mortar 1:4 in half brick thick wall including mild steel longitudinal reinforcement of 2 bars of 6 mm diameter / 2 hoop iron strips 25 mm X 1.6 mm placed at every third course, properly bent and bonded at ends scaffolding, racking out joints and watering etc. complete.	1306.65	Rupees One Thousand Three Hundred Six And Paise Sixty Five Only	Sqm	18175.50
		401.960	First Floor	1318.20	Rupees One Thousand Three Hundred Eighteen And Paise Twenty Only	Sqm	529863.67
		462.660	Second Floor	1329.75	Rupees One Thousand Three Hundred Twenty Nine And Paise Seventy Five Only	Sqm	615222.14
		285.270	Third Floor	1341.30	Rupees One Thousand Three Hundred Forty One And Paise Thirty Only	Sqm	382632.65

15	BDF12 Item No.26.23	0.000	Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C.coping to plinth or parapet and sill of doors and windows moulded as per detailed drawings or chamfered as approved by the Engineer including steel centering, formwork, cover blocks, laying/pumping, compacting , curing , finishing and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	7626.45	Rupees Seven Thousand Six Hundred Twenty Six And Paise Forty Five Only	Cum	0.00
		0.000	First Floor	7700.60	Rupees Seven Thousand Seven Hundred And Paise Sixty Only	Cum	0.00
		0.000	Second Floor	7774.80	Rupees Seven Thousand Seven Hundred Seventy Four And Paise Eighty Only	Cum	0.00
		4.460	Third Floor	7848.95	Rupees Seven Thousand Eight Hundred Forty Eight And Paise Ninety Five Only	Cum	35006.32

16	BDF11. Item No.26.19	87.430	Providing and laying Cast in situ/Ready Mix cement concrete in M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. pardi of required thickness including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	16456.95	Rupees Sixteen Thousand Four Hundred Fifty Six And Paise Ninety Five Only	Cum	1438831.14
		9.370	First Floor	16619.40	Rupees Sixteen Thousand Six Hundred Nineteen And Paise Forty Only	Cum	155723.78
		9.370	Second Floor	16781.90	Rupees Sixteen Thousand Seven Hundred Eighty One And Paise Ninety Only	Cum	157246.40
		19.720	Third Floor	16944.40	Rupees Sixteen Thousand Nine Hundred Forty Four And Paise Forty Only	Cum	334143.57
17	BDL 2A. Item No.32.04	915.860	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete.	307.95	Rupees Three Hundred Seven And Paise Ninety Five Only	Sqm	282039.09

		3666.830	First Floor	310.80	Rupees Three Hundred Ten And Paise Eighty Only	Sqm	1139650.76
		3464.510	Second Floor	313.70	Rupees Three Hundred Thirteen And Paise Seventy Only	Sqm	1086816.79
		4236.470	Third Floor	316.55	Rupees Three Hundred Sixteen And Paise Fifty Five Only	Sqm	1341054.58
18	BDL 7 Item No.32.11	606.280	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1Kilogramper cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.	705.75	Rupees Seven Hundred Five And Paise Seventy Five Only	Sqm	427882.11
		926.140	First Floor	712.35	Rupees Seven Hundred Twelve And Paise Thirty Five Only	Sqm	659735.83
		948.660	Second Floor	718.95	Rupees Seven Hundred Eighteen And Paise Ninety Five Only	Sqm	682039.11

		1986.950	Third Floor	725.55	Rupees Seven Hundred Twenty Five And Paise Fifty Five Only	Sqm	1441631.57
19	BDM Item No.33.68	11.970	Providing and laying telephone black / Amba White / Cadburybrown / Ruby red / Ocean Brown granite stone of 18 to 20 mm thick for door frame/ dado/ window boxing etc. On C.M. 1:6 including filling joints with polymer base filler nosing/moulding the sharp edges wherever necessary, curing, etc. complete.	4529.35	Rupees Four Thousand Five Hundred Twenty Nine And Paise Thirty Five Only	Sqm	54216.32
		157.500	First Floor	4574.60	Rupees Four Thousand Five Hundred Seventy Four And Paise Sixty Only	Sqm	720499.50
		189.140	Second Floor	4619.85	Rupees Four Thousand Six Hundred Nineteen And Paise Eighty Five Only	Sqm	873798.43
		152.730	Third Floor	4665.10	Rupees Four Thousand Six Hundred Sixty Five And Paise Ten Only	Sqm	712500.72

20	BD-T Item No.50.83 a)	7.800	a) <u>Door Frame:</u> Providing Frames for Lead Lined Fire resistant door shutters 1st class Malaysian Hardwood Frame densified and pressure treated with fire retardant chemicals in vacuum impregnation vessel under 160 PSI pressure as per IS:401 and kiln seasoned to moisture below 15% as per IS:1141 of section 140 X 70 mm with 45mm thick two layered 3mm Lead Line Sheets with 10mm overlap from either side & spray coated with 2 coats of Intumescent paint of minimum 200 micron, with 1 row of Brush-Type Astroflame® intumescent strip (imported) of size 10mmx4mm concealed in the groove of the Frame for fire and hot and cold smoke sealing, etc. complete as per direction of Engineer in Charge.	3128.85	Rupees Three Thousand One Hundred Twenty Eight And Paise Eighty Five Only	Rmt	24405.03
		7.800	First Floor	3160.15	Rupees Three Thousand One Hundred Sixty And Paise Fifteen Only	Rmt	24649.17
		7.800	Second Floor	3191.40	Rupees Three Thousand One Hundred Ninety One And Paise Forty Only	Rmt	24892.92
		15.600	Third Floor	3222.70	Rupees Three Thousand Two Hundred Twenty Two And Paise Seventy Only	Rmt	50274.12

21	BDT-34. Item No.39.09	0.000	Providing and fixing solid core flush door shutter in single leaf 32 mm thick decorative type of exterior grade as per detailed drawings approved face veneers 3 mm thick on both faces or as directed, all necessary beads, mouldings and lipping, wrought iron hold fasts, chromium plated fixtures and fastenings, with brass mortise lock, chromium plated handles on both sides, and finishing with French Polish etc. complete.	3176.30	Rupees Three Thousand One Hundred Seventy Six And Paise Thirty Only	Sqm	0.00
		64.080	First Floor	3208.05	Rupees Three Thousand Two Hundred Eight And Paise Five Only	Sqm	205571.84
		92.880	Second Floor	3239.80	Rupees Three Thousand Two Hundred Thirty Nine And Paise Eighty Only	Sqm	300912.62
		54.480	Third Floor	3271.60	Rupees Three Thousand Two Hundred Seventy One And Paise Sixty Only	Sqm	178236.77

22	BDT Item No.- 39.47	1.580	Providing and Fixing 30 MM thick BOTH SIDE PRELAMINATED SOLID PANEL PVC DOOR SHUTTER consisting of frame made out of M.S tubes of 19 guage thickness and, size 19 x 19 mm for styles and 15 x15 mm for the top and bottom rails, M.S frame shall have a coat of metel primer of approved make and manufacture. M.S frame shall be covered with heat mouled PVC 'C' channel made from 5 mm (+/0.25) thick prelaminated sheet of density 600 Kilogram/cbm ,of size 30mm thickness 70mm width out of which 50mm shall be flat and 20mm shall be tapered in 45° angle on either side forming stiles ; and 5 mm thick ,95 mm wide PVC sheet out of which 75 mm shall be falt and 20 mm shall be tapered in 45 on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be falt and 20 mm shall be tapered on both sides to form lock rail.Top,bottom and lock rail shall be provided either side of the panel. An additional 5 mm (+/0.25) thick PVC strip of 20 mm width is to be stuck on the bottom side of the ' c ' channel prelaminated paneling of 5 mm (+/0.25) thick PVC sheet to be fitted inside the M.S. frame welded/ sealed to the styles and rails with 5 mm (+/0.25) x 30 mm PVC sheet beading on either side and joined together with solvent cement adhesive etc ,10 mm thickness (5 mm (+/0.25) x 2 nos ) 20 mm wide cross PVC sheet as gap insert for the rail and bottom rail. Door to be fixed to frames with 3 nosM.S.powder coated but hinges of size 100 mm x 25MM x 2mm using 32 mm long steel screws drilled suitable to pass through both the walls of the M.S tube. Other hardwares	6754.90	Rupees Six Thousand Seven Hundred Fifty Four And Paise Ninety Only	Sqm	10672.74
		12.600	First Floor	6822.45	Rupees Six Thousand Eight Hundred Twenty Two And Paise Forty Five Only	Sqm	85962.87
		9.450	Second Floor	6890.00	Rupees Six Thousand Eight Hundred Ninety Only	Sqm	65110.50

		7.880	Third Floor	6957.55	Rupees Six Thousand Nine Hundred Fifty Seven And Paise Fifty Five Only	Sqm	54825.49
23	BDT Item No.39.43	6.600	Providing and fixing in position (as per 1868 / 1982) Aluminium sliding window of three tracks with rectangular pipe 95 x 38.10 x 0.90 mm at weight 0.637 Kilogram/Running metre. with window frame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 Kilogram/Running metre.. Top and side track section 92 x 31.75 x 1.30 mm at weight 0.933 Kilogram/Running metre. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 Kilogram/Running metre. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 Kilogram/Running metre. and handle and top section 40 x 18 x 1.25 mm at weight 0.417 Kilogram/Running metre. As per detailed drawings and as directed by Engineer in charge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 mm thick plain glass and aluminium mosquito net shutter with stainless steel jail with all required screws and nuts etc, complete. With powder coating with box	5536.60	Rupees Five Thousand Five Hundred Thirty Six And Paise Sixty Only	Sqm	36541.56
		101.100	First Floor	5591.95	Rupees Five Thousand Five Hundred Ninety One And Paise Ninety Five Only	Sqm	565346.15

		107.850	Second Floor	5647.35	Rupees Five Thousand Six Hundred Forty Seven And Paise Thirty Five Only	Sqm	609066.70
		113.400	Third Floor	5702.70	Rupees Five Thousand Seven Hundred Two And Paise Seventy Only	Sqm	646686.18
24	BD-T Item No.50.83 b)	3.600	b) <u>Shutter</u> : Supplying of ' 44mm Solid core flush door shutters conforming to the I.S. specification 2202-1991 (specification for wooden flush door shutter – solid core type). 32mm Wooden structure of 1st class Hardwood or Pinewood of at least 50mm width, top and bottom rails of 75mm width, with filler material without any gap of 1st Class Hardwood, or pine wood, all chemically treated for termite and borer resistance as per IS 401:2001 under minimum 150 PSI pressure, and seasoned as per IS 1141: 1993 upto desired moisture level as per IS 287, with one side 3mm HDF & other side 3mm lead & 6mm BWP ply; all hot-pressed with Phenol Formaldehyde resin, internally lipped with hardwood beading, and pasted in Hydraulic Press under 50 tonnes pressure, spray quoted with 2 coats of enamel paint of minimum 300 micron. with prior approval of concerned Superintending Engineer.	21343.80	Rupees Twenty One Thousand Three Hundred Forty Three And Paise Eighty Only	Sqm	76837.68

		3.600	First Floor	21557.25	Rupees Twenty One Thousand Five Hundred Fifty Seven And Paise Twenty Five Only	Sqm	77606.10
		3.600	Second Floor	21770.70	Rupees Twenty One Thousand Seven Hundred Seventy And Paise Seventy Only	Sqm	78374.52
		7.200	Third Floor	21984.10	Rupees Twenty One Thousand Nine Hundred Eighty Four And Paise Ten Only	Sqm	158285.52
25	BDT. Item No.39.68	4.840	Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80 x 38 mm x 1.22 mm box type, 5 mm thick sheet glass louvers, of approved quality etc. complete.	3576.55	Rupees Three Thousand Five Hundred Seventy Six And Paise Fifty Five Only	Sqm	17310.50
		4.840	First Floor	3612.30	Rupees Three Thousand Six Hundred Twelve And Paise Thirty Only	Sqm	17483.53
		5.630	Second Floor	3648.10	Rupees Three Thousand Six Hundred Forty Eight And Paise Ten Only	Sqm	20538.80

		2.480	Third Floor	3683.85	Rupees Three Thousand Six Hundred Eighty Three And Paise Eighty Five Only	Sqm	9135.95
26	BDU1A Item No.40.02	11.440	Providing and fixing mild steel grill work for windows, ventilators, etc. 15 Kilogram/Square Metre as per drawing including fixtures necessary welding and painting with one coat of anticorrosive paint and two coats of oil painting complete.	1760.95	Rupees One Thousand Seven Hundred Sixty And Paise Ninety Five Only	Sqm	20145.27
		105.940	First Floor	1778.55	Rupees One Thousand Seven Hundred Seventy Eight And Paise Fifty Five Only	Sqm	188419.59
		113.480	Second Floor	1796.15	Rupees One Thousand Seven Hundred Ninety Six And Paise Fifteen Only	Sqm	203827.10
		115.880	Third Floor	1813.75	Rupees One Thousand Eight Hundred Thirteen And Paise Seventy Five Only	Sqm	210177.35
27	BDM 1 Item No.- 33.01	1081.250	Providing and laying Rough Shahabad Stone Flooring 25mm to 30mm thick and of required width in plain/ diamond pattern on a bed of 1:6 C.M. including cement float, striking joints, pointing in cement mortar 1:3 curing and cleaning etc. complete.	758.85	Rupees Seven Hundred Fifty Eight And Paise Eighty Five Only	Sqm	820506.56
		0.000	First Floor	766.40	Rupees Seven Hundred Sixty Six And Paise Forty	Sqm	0.00

					Only		
		0.000	Second Floor	773.95	Rupees Seven Hundred Seventy Three And Paise Ninety Five Only	Sqm	0.00
		0.000	Third Floor	781.50	Rupees Seven Hundred Eighty One And Paise Fifty Only	Sqm	0.00
28	BDM 12. Item No.33.42	52.510	Providing and laying vitrified matt finishtiles having size 590 mm to 605 mm x to 605 mm of 8to 10mm thicknessand confirming IS. 15622-2006 (Group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement morar including neat cement float, filling joints, curing and cleaning etc. complete.	1655.30	Rupees One Thousand Six Hundred Fifty Five And Paise Thirty Only	Sqm	86919.80
		759.850	First Floor	1671.85	Rupees One Thousand Six Hundred Seventy One And Paise Eighty Five Only	Sqm	1270355.22
		682.330	Second Floor	1688.35	Rupees One Thousand Six Hundred Eighty Eight And Paise Thirty Five Only	Sqm	1152011.86
		839.400	Third Floor	1704.85	Rupees One Thousand Seven Hundred Four And Paise Eighty Five Only	Sqm	1431051.09

29	BDM 12. Item No.33.43	24.150	Providing and laying vitrified matt finish tiles having size 590 mm to 605 mm x to 605 mm of 8 to 10mm thickness and confirming IS. 15622-2006 (Group Bla) of approved make, shade and pattern for dado and skirting in required position fixed in 1:4 cement mortar including neat cement float, filling joints, curing and cleaning etc. complete.	1732.70	Rupees One Thousand Seven Hundred Thirty Two And Paise Seventy Only	Sqm	41844.71
		65.660	First Floor	1749.95	Rupees One Thousand Seven Hundred Forty Nine And Paise Ninety Five Only	Sqm	114901.72
		62.310	Second Floor	1767.25	Rupees One Thousand Seven Hundred Sixty Seven And Paise Twenty Five Only	Sqm	110117.35
		56.240	Third Floor	1784.55	Rupees One Thousand Seven Hundred Eighty Four And Paise Fifty Five Only	Sqm	100363.09
30	BDM 12. Item No.33.44	0.000	Providing and laying vitrified rustic matt stone finish tiles having size 590 mm to 605 mm x 590 mm to 605 mm of 8 to 10mm thickness and confirming to IS. 15622-2006 (Group Bla) of approved make, shade and pattern for flooring in required position laid on bed of 1:4 cement mortar including neat cement float, filling joints, curing and cleaning etc. complete.	1829.65	Rupees One Thousand Eight Hundred Twenty Nine And Paise Sixty Five Only	Sqm	0.00

		59.590	First Floor	1847.90	Rupees One Thousand Eight Hundred Forty Seven And Paise Ninety Only	Sqm	110116.36
		59.260	Second Floor	1866.15	Rupees One Thousand Eight Hundred Sixty Six And Paise Fifteen Only	Sqm	110588.05
		94.890	Third Floor	1884.40	Rupees One Thousand Eight Hundred Eighty Four And Paise Forty Only	Sqm	178810.72
31	BDM 12. Item No.33.45	0.000	Providing and laying vitrified rustic matt stone finish tiles having size 590 mm to 605 mm x 590 mm to 605 mm to 8 to 10mm thickness and confirming to IS. 15622-2006 (Group Bla) of approved make, shade and pattern for dado and skirting in required position fixed in 1:4 cement mortar including neat cement float, filling joints, curing and cleaning. etc. complete.	1907.05	Rupees One Thousand Nine Hundred Seven And Paise Five Only	Sqm	0.00
		204.970	First Floor	1926.05	Rupees One Thousand Nine Hundred Twenty Six And Paise Five Only	Sqm	394782.47
		202.850	Second Floor	1945.10	Rupees One Thousand Nine Hundred Forty Five And Paise Ten Only	Sqm	394563.54

		117.860	Third Floor	1964.10	Rupees One Thousand Nine Hundred Sixty Four And Paise Ten Only	Sqm	231488.83
32	BDM 22. Item No.33.35	217.570	Providing and fixing machine cut machine polished 18 mm to 20 mm thick telephone black / Amba White / Cat bary brown / RBI red / Ocean Brown granite stone for treads and risers of steps and staircases of approved colour and shade with full moulding and three grooved line for the treads on bed of 1:4 Cement mortar including float filling joints with neat cement slurry curing polishing and cleaning etc. complete.	4308.60	Rupees Four Thousand Three Hundred Eight And Paise Sixty Only	Sqm	937422.10
		75.630	First Floor	4351.65	Rupees Four Thousand Three Hundred Fifty One And Paise Sixty Five Only	Sqm	329115.29
		75.630	Second Floor	4394.65	Rupees Four Thousand Three Hundred Ninety Four And Paise Sixty Five Only	Sqm	332367.38
		88.440	Third Floor	4437.70	Rupees Four Thousand Four Hundred Thirty Seven And Paise Seventy Only	Sqm	392470.19

33	BDM 35 Item No.- 33.36	0.000	Providing and fixing machine cut mirror polished 18 mm to 20 mm thick telephone black granite / Amba White / Cat bary brown / RBI red / Ocean Brown granite stone partition with full moulding the edges etc. complete . Both side polish	4150.75	Rupees Four Thousand One Hundred Fifty And Paise Seventy Five Only	Sqm	0.00
		7.880	First Floor	4192.20	Rupees Four Thousand One Hundred Ninety Two And Paise Twenty Only	Sqm	33034.54
		7.880	Second Floor	4233.70	Rupees Four Thousand Two Hundred Thirty Three And Paise Seventy Only	Sqm	33361.56
		4.730	Third Floor	4275.15	Rupees Four Thousand Two Hundred Seventy Five And Paise Fifteen Only	Sqm	20221.46
34	BDV Item No.42.20	0.000	Providing and fixing 450mm x 550mm size superior type Belgium mirror with 16mm dia. nickel plated towel rod etc. complete.	888.20	Rupees Eight Hundred Eighty Eight And Paise Twenty Only	No.	0.00
		5.000	First Floor	897.10	Rupees Eight Hundred Ninety Seven And Paise Ten Only	No.	4485.50
		4.000	Second Floor	905.95	Rupees Nine Hundred Five And Paise Ninety Five Only	No.	3623.80

		5.000	Third Floor	914.85	Rupees Nine Hundred Fourteen And Paise Eighty Five Only	No.	4574.25
35	BDV 30 . Item No.41.65	2.000	Providing and fixing white glazed earthenware Wash Hand Basin of 63cm x 45cm size including Bib cock stop tap brass heavy 15mm, brackets, rubber plugs and brass chain, stop tap and necessary pipe connection including P.V.C. waste pipe and trap up to the outside face of the wall.	7236.65	Rupees Seven Thousand Two Hundred Thirty Six And Paise Sixty Five Only	No.	14473.30
		7.000	First Floor	7309.05	Rupees Seven Thousand Three Hundred Nine And Paise Five Only	No.	51163.35
		6.000	Second Floor	7381.40	Rupees Seven Thousand Three Hundred Eighty One And Paise Forty Only	No.	44288.40
		5.000	Third Floor	7453.75	Rupees Seven Thousand Four Hundred Fifty Three And Paise Seventy Five Only	No.	37268.75
36	BDV Item No. 42.31	2.000	Providing and fixing chromium plated towel rod 16 mm dia and 75 cm. in length including all accessories complete.	308.45	Rupees Three Hundred Eight And Paise Forty Five Only	No.	616.90
		7.000	First Floor	311.55	Rupees Three Hundred Eleven And Paise Fifty Five Only	No.	2180.85

		6.000	Second Floor	314.60	Rupees Three Hundred Fourteen And Paise Sixty Only	No.	1887.60
		5.000	Third Floor	317.70	Rupees Three Hundred Seventeen And Paise Seventy Only	No.	1588.50
37	BDV 32 Item No.41.80	2.000	Providing and fixing 10cm C.I. Nahani Trap including C.I.grating bend and piece of C.I. pipe upto the outside face of the wall complete.	1162.60	Rupees One Thousand One Hundred Sixty Two And Paise Sixty Only	No.	2325.20
		13.000	First Floor	1174.25	Rupees One Thousand One Hundred Seventy Four And Paise Twenty Five Only	No.	15265.25
		11.000	Second Floor	1185.85	Rupees One Thousand One Hundred Eighty Five And Paise Eighty Five Only	No.	13044.35
		13.000	Third Floor	1197.50	Rupees One Thousand One Hundred Ninety Seven And Paise Fifty Only	No.	15567.50
38	BDV 38 Item No.42.02	0.000	Providing and fixing 15cm x 10cm salt glazed stoneware gully trap in cement concrete 1:4:8 outside the building including cast iron grating in the sink, connecting glazed stoneware pipe, brick masonry chamber with cast iron lid and cast iron	1650.55	Rupees One Thousand Six Hundred Fifty And Paise Fifty Five Only	No.	0.00

			grating for the gully trap.				
		8.000	First Floor	1667.05	Rupees One Thousand Six Hundred Sixty Seven And Paise Five Only	No.	13336.40
		7.000	Second Floor	1683.55	Rupees One Thousand Six Hundred Eighty Three And Paise Fifty Five Only	No.	11784.85
		5.000	Third Floor	1700.10	Rupees One Thousand Seven Hundred And Paise Ten Only	No.	8500.50
<b>39</b>	BDV 8 Item No.41.40	4.000	Providing and fixing 15 mm dia. screw down bib/ stop tap of brass including necessary socket union nut complete.	692.20	Rupees Six Hundred Ninety Two And Paise Twenty Only	No.	2768.80
		8.000	First Floor	699.15	Rupees Six Hundred Ninety Nine And Paise Fifteen Only	No.	5593.20
		7.000	Second Floor	706.05	Rupees Seven Hundred Six And Paise Five Only	No.	4942.35
		5.000	Third Floor	712.95	Rupees Seven Hundred Twelve And Paise Ninety Five Only	No.	3564.75

40	BDV 9 . Item No.41.43	2.000	Providing and fixing screw down 15 mm dia. wheeled stop tap of brass including necessary sockets/union nut complete.	532.30	Rupees Five Hundred Thirty Two And Paise Thirty Only	No.	1064.60
		15.000	First Floor	537.65	Rupees Five Hundred Thirty Seven And Paise Sixty Five Only	No.	8064.75
		13.000	Second Floor	542.95	Rupees Five Hundred Forty Two And Paise Ninety Five Only	No.	7058.35
		10.000	Third Floor	548.25	Rupees Five Hundred Forty Eight And Paise Twenty Five Only	No.	5482.50
41	BDV Item No.42.34	0.000	Providing and fixing European type white glazed earthenware coupled closet symphonic trap with symphonic low level white glazed 10 litres cistern with black backlite seat with all necessary pipe connection etc. complete.	11553.90	Rupees Eleven Thousand Five Hundred Fifty Three And Paise Ninety Only	No.	0.00
		8.000	First Floor	11669.45	Rupees Eleven Thousand Six Hundred Sixty Nine And Paise Forty Five Only	No.	93355.60
		7.000	Second Floor	11785.00	Rupees Eleven Thousand Seven Hundred Eighty Five Only	No.	82495.00
		5.000	Third Floor	11900.55	Rupees Eleven Thousand Nine Hundred And	No.	59502.75

					Paise Fifty Five Only		
42	Plumbing Item No. 48.29 SSR 2021-22	0.000	Providing and fixing Hand shower (health faucet) with 8mm dia. 1m long flexible tube having wall hook with approved make including necessary sockets/ union nut etc. complete as directed by Engineer in charge.	1917.65	Rupees One Thousand Nine Hundred Seventeen And Paise Sixty Five Only	No.	0.00
		8.000	First Floor	1936.85	Rupees One Thousand Nine Hundred Thirty Six And Paise Eighty Five Only	No.	15494.80
		7.000	Second Floor	1956.00	Rupees One Thousand Nine Hundred Fifty Six Only	No.	13692.00
		5.000	Third Floor	1975.20	Rupees One Thousand Nine Hundred Seventy Five And Paise Twenty Only	No.	9876.00
43	BDV 23 Item No.41.57	0.000	Providing and fixing White Glazed Earthenware full stall type Urinal with P.V.C. flushing cistern of 5 liters capacity with fitting, inlet pipes and stop tap, brackets for fixing the cistern, 32 mm dia. P.V.C flush pipe with fittings and flushing arrangement including lead soil pipe, lead trap, soil pipe connection up to the outside face of the wall.	10082.85	Rupees Ten Thousand Eighty Two And Paise Eighty Five Only	No.	0.00

		5.000	First Floor	10183.70	Rupees Ten Thousand One Hundred Eighty Three And Paise Seventy Only	No.	50918.50
		5.000	Second Floor	10284.50	Rupees Ten Thousand Two Hundred Eighty Four And Paise Fifty Only	No.	51422.50
		2.000	Third Floor	10385.35	Rupees Ten Thousand Three Hundred Eighty Five And Paise Thirty Five Only	No.	20770.70
44	BDV Item No.42.55	16.000	Providing and fixing on walls/ ceiling/ floor 15 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.	274.40	Rupees Two Hundred Seventy Four And Paise Forty Only	Rmt	4390.40
		112.000	First Floor	277.15	Rupees Two Hundred Seventy Seven And Paise Fifteen Only	Rmt	31040.80
		100.000	Second Floor	279.90	Rupees Two Hundred Seventy Nine And Paise Ninety Only	Rmt	27990.00
		68.000	Third Floor	282.65	Rupees Two Hundred Eighty Two And Paise Sixty Five Only	Rmt	19220.20

45	BDV 5. Item No.42.57	208.000	Providing and fixing on walls/ ceiling/ floor 25 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.	386.85	Rupees Three Hundred Eighty Six And Paise Eighty Five Only	Rmt	80464.80
		80.000	First Floor	390.70	Rupees Three Hundred Ninety And Paise Seventy Only	Rmt	31256.00
		72.000	Second Floor	394.60	Rupees Three Hundred Ninety Four And Paise Sixty Only	Rmt	28411.20
		290.000	Third Floor	398.45	Rupees Three Hundred Ninety Eight And Paise Forty Five Only	Rmt	115550.50
46	BDV Item No 42.54	0.000	Providing and fixing H.D.P container one piece moulded water tank made out of low density polythylar and built corrugation including of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow of all tanks capacity above 1000 to 20,000 litres	11.35	Rupees Eleven And Paise Thirty Five Only	Lit	0.00
		0.000	First Floor	11.45	Rupees Eleven And Paise Forty Five Only	Lit	0.00
		0.000	Second Floor	11.55	Rupees Eleven And Paise Fifty Five Only	Lit	0.00
		4000.000	Third Floor	11.70	Rupees Eleven And Paise Seventy Only	Lit	46800.00

47	BDV Item No.42.51	30.000	Providing andfixing 75mm diastabiliser pipe/ P.V.C.soil vent/waste pipeand with necessary fixtures and fitting such as bends, tees, single junctions, slotted vent, clamps etc. complete	626.20	Rupees Six Hundred Twenty Six And Paise Twenty Only	Rmt	18786.00
		68.800	First Floor	632.45	Rupees Six Hundred Thirty Two And Paise Forty Five Only	Rmt	43512.56
		63.800	Second Floor	638.70	Rupees Six Hundred Thirty Eight And Paise Seventy Only	Rmt	40749.06
		61.800	Third Floor	644.95	Rupees Six Hundred Forty Four And Paise Ninety Five Only	Rmt	39857.91
48	BDV 60 Item No.42.28	28.000	Providing, laying and fixing P.V.C. pipe of 110 mm. dia. with fittings such as bends, tees, reducers, clamps, etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.	612.75	Rupees Six Hundred Twelve And Paise Seventy Five Only	Rmt	17157.00
		44.800	First Floor	618.90	Rupees Six Hundred Eighteen And Paise Ninety Only	Rmt	27726.72
		42.800	Second Floor	625.05	Rupees Six Hundred Twenty Five And Paise Five Only	Rmt	26752.14

		56.800	Third Floor	631.15	Rupees Six Hundred Thirty One And Paise Fifteen Only	Rmt	35849.32
49	BDV Item No.- 42.87	24.000	Providing andfixing P.V.C.Rain waterpipes of 110mm outerdiameter andhaving wallthickness of2.2 to2.7 mmconfirming to I.S. 13592-1992 includingproper rainwater receiving recess with P.V.C. plug, bend, necessary fittings, such as, offsets, shoes, including fixing the pipe on wall using approved wooden cleats projecting 25mm to 40mm from face of wall a fixing with clips of approved quality and number ,filing the joint using rubber gasket with solventcement andproperly restingthe shoeof pipeson C.C.or masonry blocks, including necessary scaffolding and maintenance for 3 yrs for any leakages or dislocations of pipes. All the P.V.C. fittings and additional 2 piece socket clips shall be got approved from engineer in charge etc. complete.	587.00	Rupees Five Hundred Eighty Seven Only	Rmt	14088.00
		28.800	First Floor	592.85	Rupees Five Hundred Ninety Two And Paise Eighty Five Only	Rmt	17074.08
		28.800	Second Floor	598.70	Rupees Five Hundred Ninety Eight And Paise Seventy Only	Rmt	17242.56
		36.800	Third Floor	604.60	Rupees Six Hundred Four And Paise Sixty Only	Rmt	22249.28
50	BDV 46 Item No.- 42.19	2.000	Providing soak pit of size 120cm x 120cm x 120cm including excavating and filling with brick-bats.	3045.30	Rupees Three Thousand Forty Five And Paise Thirty Only	No.	6090.60

		0.000	First Floor	3075.75	Rupees Three Thousand Seventy Five And Paise Seventy Five Only	No.	0.00
		0.000	Second Floor	3106.20	Rupees Three Thousand One Hundred Six And Paise Twenty Only	No.	0.00
		0.000	Third Floor	3136.65	Rupees Three Thousand One Hundred Thirty Six And Paise Sixty Five Only	No.	0.00
51	BDV 43. Item No.42.11	50.000	Providing and constructing Brick Masonry Inspection Chamber 90cm x 45cm x 90cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W.pipes, Brick Masonry, plastering from inside and C.I. lid cover of 75Kilogramwith lid and frame fixed in cement concrete.	15030.40	Rupees Fifteen Thousand Thirty And Paise Forty Only	No.	751520.00
		0.000	First Floor	15180.70	Rupees Fifteen Thousand One Hundred Eighty And Paise Seventy Only	No.	0.00
		0.000	Second Floor	15331.00	Rupees Fifteen Thousand Three Hundred Thirty One Only	No.	0.00
		0.000	Third Floor	15481.30	Rupees Fifteen Thousand Four Hundred Eighty One And Paise Thirty Only	No.	0.00

52	BDV 45 Item No.- 42.18	1.000	Providing and fixing hume pipe septic tank 900mm diameter with vent pipe and cap including necessary (including excavation and laying)	17254.55	Rupees Seventeen Thousand Two Hundred Fifty Four And Paise Fifty Five Only	No.	17254.55
		0.000	First Floor	17427.10	Rupees Seventeen Thousand Four Hundred Twenty Seven And Paise Ten Only	No.	0.00
		0.000	Second Floor	17599.65	Rupees Seventeen Thousand Five Hundred Ninety Nine And Paise Sixty Five Only	No.	0.00
		0.000	Third Floor	17772.20	Rupees Seventeen Thousand Seven Hundred Seventy Two And Paise Twenty Only	No.	0.00
53	BDP 6A. Item No.36.14	915.860	Providing and applying plastic emulsion paint of approved quality, colour and shade to new surface in three coats including scaffolding, preparing the surface. (excluding primer coat) etc. complete.	139.25	Rupees One Hundred Thirty Nine And Paise Twenty Five Only	Sqm	127533.51
		3666.830	First Floor	140.65	Rupees One Hundred Forty And Paise Sixty Five Only	Sqm	515739.64
		3464.510	Second Floor	142.05	Rupees One Hundred Forty Two And Paise Five Only	Sqm	492133.65

		4236.470	Third Floor	143.45	Rupees One Hundred Forty Three And Paise Forty Five Only	Sqm	607721.62
54	BDO. Item No.35.25	606.280	Providing and applying two coats of exterior acrylic emulsion paint confirming to corresponding I.S. of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster surface, applying primer coat ,scaffolding if necessary , and watering the surface for two days etc complete.	269.25	Rupees Two Hundred Sixty Nine And Paise Twenty Five Only	Sqm	163240.89
		926.140	First Floor	271.95	Rupees Two Hundred Seventy One And Paise Ninety Five Only	Sqm	251863.77
		948.660	Second Floor	274.65	Rupees Two Hundred Seventy Four And Paise Sixty Five Only	Sqm	260549.47
		1986.950	Third Floor	277.35	Rupees Two Hundred Seventy Seven And Paise Thirty Five Only	Sqm	551080.58
55	BDO 8D Item No.-35.20	915.860	Providing and applying priming coat over new/old steel and other metal surfaces including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and scoured with wire brushes, fine steel wool, scrappers and sand paper, scaffolding etc. complete.	38.15	Rupees Thirty Eight And Paise Fifteen Only	Sqm	34940.06
		3666.830	First Floor	38.55	Rupees Thirty Eight And Paise Fifty Five Only	Sqm	141356.30

		3464.510	Second Floor	38.95	Rupees Thirty Eight And Paise Ninety Five Only	Sqm	134942.66
		4236.470	Third Floor	39.30	Rupees Thirty Nine And Paise Thirty Only	Sqm	166493.27
56	BDF 17 Item No.-26.33	148.960	Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.	92537.60	Rupees Ninety Two Thousand Five Hundred Thirty Seven And Paise Sixty Only	Mt.	13784400.90
		56.760	First Floor	93463.00	Rupees Ninety Three Thousand Four Hundred Sixty Three Only	Mt.	5304959.88
		49.600	Second Floor	94388.35	Rupees Ninety Four Thousand Three Hundred Eighty Eight And Paise Thirty Five Only	Mt.	4681662.16
		70.930	Third Floor	95313.75	Rupees Ninety Five Thousand Three Hundred Thirteen And Paise Seventy Five Only	Mt.	6760604.29

57	Steel Work Item No. 23.11	0.030	Providing structural steel work of rectangular hollow steel section for steel trusses, other similar trussed items like purlin and members with all bracing, gusset plates etc. as per detailed designs and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted/bolted/ welded connections and one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade complete. Spec. No. : As directed by Engineer-in-charge.	122543.75	Rupees One Lakh(s) Twenty Two Thousand Five Hundred Forty Three And Paise Seventy Five Only	Mt.	3676.31
		0.030	First Floor	123769.20	Rupees One Lakh(s) Twenty Three Thousand Seven Hundred Sixty Nine And Paise Twenty Only	Mt.	3713.08
		0.030	Second Floor	124994.65	Rupees One Lakh(s) Twenty Four Thousand Nine Hundred Ninety Four And Paise Sixty Five Only	Mt.	3749.84
		0.440	Third Floor	126220.10	Rupees One Lakh(s) Twenty Six Thousand Two Hundred Twenty And Paise Ten Only	Mt.	55536.84

58	Building Roofing No.51.187	0.000	<p>Supply and Installation of translucent roof with DPI Flux standing seam multicell polycarbonate panel system. The system with complete assembly of co extruded UV protected multicell panels incorporated into a complete system. Co-extruded UV protected polycarbonate panel system of min 12 mm thick of 900 mm (min.) width with angular daylighting concept. Panels shall have minimum six layers with truss bridge design for higher flexibility &amp; strength. Panels with all fixing accessories to ensure best performance for wind uplift, vibration, oil canning and visual appearance. Panels shall be manufactured with vertical standing seam at both sides of the panel. Panels shall be fixed on Purlin with snap on connectors with double tooth grip lock locking mechanism and will be secured on MS structure (will be paid Separately) with 3 numbers self-drilling screws &amp; trapezoid SS fasteners holding the base of the standing seam offering best stability having a pull-out load of min. 7000N (7KN) tested as per ISO 6892:1998 and IS 1608: 2005, as per design requirement. Panels must satisfy Dart drop impact test as per IS 14443-97 shall show no sign of breakage on Polycarbonate sheets which have been exposed to UV for a min. of 500 Hours as per ASTM G 155. Panels shall not have Yellowness Index as per ASTM D 1925 of 15 units when tested on a sample exposed to UV for 500 Hours as per ASTM G 155. U value shall not be more than 1.6 W/m<sup>2</sup>K as per EN ISO 10077-2:2018. Panel shall be with additional End cap/Aluminium U/F profile/ Glazing Bar for ends as required. Panel shall be fixed over MS structural steel/MS purlin (paid separately) conforming to the detail technical specifications as per approved architectural drawings. Trained and factory authorized labour with supervision to complete the entire panel installation as per drawing &amp; direction of the engineering in charge. Colour: As per Approval. Approved Make: FLUX by DPI Daylighting or approved equivalent The 12mm thick panels shall be used for a roofing height of upto 15 mtrs.</p>	4096.50	Rupees Four Thousand Ninety Six And Paise Fifty Only	Sqm	0.00
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		0.000	First Floor	4137.45	Rupees Four Thousand One Hundred Thirty Seven And Paise Forty Five Only	Sqm	0.00
		0.000	Second Floor	4178.40	Rupees Four Thousand One Hundred Seventy Eight And Paise Forty Only	Sqm	0.00
		32.000	Third Floor	4219.40	Rupees Four Thousand Two Hundred Nineteen And Paise Forty Only	Sqm	135020.80
59	BDJ Item No.31.05	485.860	Providing water proof bedding for flooring of Bath and WC 25 mm thick in C.M. 1:3 including using approved water proofing compound in specified proportion as per manufacturers specifications for per bag of cement including leveling, curing and covering 10 years guarantee on court fee stamp paper of Rs.500/- including ponding test etc. complete.	450.25	Rupees Four Hundred Fifty And Paise Twenty Five Only	Sqm	218758.47
		119.530	First Floor	454.70	Rupees Four Hundred Fifty Four And Paise Seventy Only	Sqm	54350.29
		116.250	Second Floor	459.15	Rupees Four Hundred Fifty Nine And Paise Fifteen Only	Sqm	53376.19

		316.180	Third Floor	463.55	Rupees Four Hundred Sixty Three And Paise Fifty Five Only	Sqm	146565.24
60	BDL Item No.32.34	1522.140	Providing and applying Two coats of wall care Putty on plastered surface and Ceiling and Walls to prepare surface even and smooth of approved make, etc complete.	92.85	Rupees Ninety Two And Paise Eighty Five Only	Sqm	141330.70
		3666.830	First Floor	93.75	Rupees Ninety Three And Paise Seventy Five Only	Sqm	343765.31
		3464.510	Second Floor	94.70	Rupees Ninety Four And Paise Seventy Only	Sqm	328089.10
		4236.470	Third Floor	95.65	Rupees Ninety Five And Paise Sixty Five Only	Sqm	405218.36
61	BDW Item No. 40.07	75.290	Providing and fixing 900mm high S.S.304 Grade Stainless steel railing with 40mm diameter and 1.5mm thick at top, 40mm diameter and 1.5mm thick vertical supports spaced at 1.5m center to center and 8mm thick toughened glass including fabricating , fixtures, erecting , necessary welding , grinding , finishing, buffing to stainless steel pipe etc. complete	4852.65	Rupees Four Thousand Eight Hundred Fifty Two And Paise Sixty Five Only	Rmt	365356.02
		20.530	First Floor	4901.15	Rupees Four Thousand Nine Hundred One And Paise Fifteen Only	Rmt	100620.61
		20.530	Second Floor	4949.70	Rupees Four Thousand Nine Hundred Forty Nine And Paise	Rmt	101617.34

					Seventy Only		
		29.910	Third Floor	4998.25	Rupees Four Thousand Nine Hundred Ninety Eight And Paise Twenty Five Only	Rmt	149497.66
62	BDT-55 Item No.39.24	0.000	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron or mild steel and one coat of red lead primer etc. complete. (I.S. 62481979) (Without mechanical gear)	4981.60	Rupees Four Thousand Nine Hundred Eighty One And Paise Sixty Only	Sqm	0.00
		0.000	First Floor	5031.40	Rupees Five Thousand Thirty One And Paise Forty Only	Sqm	0.00
		0.000	Second Floor	5081.25	Rupees Five Thousand Eighty One And Paise Twenty Five Only	Sqm	0.00

		0.000	Third Floor	5131.05	Rupees Five Thousand One Hundred Thirty One And Paise Five Only	Sqm	0.00
63	BDJ Item No.31.04	0.000	Providing cement based water proofing treatment to terraces (Indian water proofing or alike) with brick bats laid in required slope to drain the water for any span after cleaning the base surface. Applying a coat of cement slurry admixed with approved water proofing compound and laying the brick bats on bottom layer in C.M.1:5 admixed with approved water proofing compound filling up to half depth of brick bats, curing this layer for 3 days, applying cement slurry over this layer joints of brick bats with C.M.1:3 admixed with approved water proofing compound and finally top finishing with average 20 mm. thick layers of same mortar added with jute fiber at 1Kilogramper bag including finishing the surface smooth with cement slurry admixed with approved water proofing compound. Marking finished surface with false squares of 300mm x 300 mm. making the junctions at the parapet rounded and tapered top for required height, with drip mould at the junction of plaster and parapet and curing and covering 10 years Guarantee against leakproofness on Court fee stamp paper of Rs. 500/- including ponding test etc. complete.	1208.15	Rupees One Thousand Two Hundred Eight And Paise Fifteen Only	Sqm	0.00
		0.000	First Floor	1220.10	Rupees One Thousand Two Hundred Twenty And Paise Ten Only	Sqm	0.00

		0.000	Second Floor	1232.00	Rupees One Thousand Two Hundred Thirty Two Only	Sqm	0.00
		1036.710	Third Floor	1243.90	Rupees One Thousand Two Hundred Forty Three And Paise Ninety Only	Sqm	1289563.57
64	BDT-57 Item No.39.26	9.600	Providing and fixing collapsible steel gate in one / two leaves with hot rolled vertical channels of 18 x 9 x 3 mm minimum size, crossings of M.S. flats of size 18 x 5 mm T or E section for runner of minimum 40 x 6 mm size for flange, M.S. flat for top runner of minimum size 40 x 12 mm with rollerwheels confirming to grade F.G. 150 fitted with snapheaded rivets of minimum size 6 mm max. spacing of vertical channels be 100 mm enclosed gate position and clear space of 150mm between two sets of crossings with holdfasts, stoppers, spaces, handles, locking arrangement and one coat of red lead primer and oil painting etc. complete. (I.S. 105211983).	4137.75	Rupees Four Thousand One Hundred Thirty Seven And Paise Seventy Five Only	Sqm	39722.40
		9.600	First Floor	4179.15	Rupees Four Thousand One Hundred Seventy Nine And Paise Fifteen Only	Sqm	40119.84
		9.600	Second Floor	4220.50	Rupees Four Thousand Two Hundred Twenty And Paise Fifty Only	Sqm	40516.80

		9.600	Third Floor	4261.90	Rupees Four Thousand Two Hundred Sixty One And Paise Ninety Only	Sqm	40914.24
65	BDV Item No.42.70	8.000	Providing and fixing reinforced cement concrete cover of size 60 cm x 45 cm with frame over inspection chamber etc. complete. Heavy duty (160 Kilogram)	5504.60	Rupees Five Thousand Five Hundred Four And Paise Sixty Only	No.	44036.80
		0.000	First Floor	5559.65	Rupees Five Thousand Five Hundred Fifty Nine And Paise Sixty Five Only	No.	0.00
		0.000	Second Floor	5614.70	Rupees Five Thousand Six Hundred Fourteen And Paise Seventy Only	No.	0.00
		4.000	Third Floor	5669.75	Rupees Five Thousand Six Hundred Sixty Nine And Paise Seventy Five Only	No.	22679.00

66	BDR Item No.38.51	4.000	Providing and fixing in position Gypsum board false ceiling with 12.5 mm thick Gypsum boards, screwed/fixed to the under structure of suspended G.I. Grid constructed and suspended from the main ceiling consisting of ceiling sections of size 25 x 50 mm maximum center to center distance of 600 millimetre perimeter channel and intermediate channels at maximum center to center distance 1200 millimetre galvanized grid should be fixed to reinforced cement concrete slab. The gypsum board should be fixed to galvanized iron grid with necessary screws. The boards should be taped and filled from underside to give smooth, seamless ceiling. The rate should include necessary additional ceiling sections and intermediate channels. Additional intermediate channels should be fixed to strap hangers for additional support to prevent strapping at every 1200 millimetre item to be completed in all respect including necessary sleeves for ducts finishing of joints cut outs, painting including labour, material, lifts etc. all complete.	1824.90	Rupees One Thousand Eight Hundred Twenty Four And Paise Ninety Only	Sqm	7299.60
		4.000	First Floor	1843.15	Rupees One Thousand Eight Hundred Forty Three And Paise Fifteen Only	Sqm	7372.60
		4.000	Second Floor	1861.40	Rupees One Thousand Eight Hundred Sixty One And Paise Forty	Sqm	7445.60

					Only		
		4.000	Third Floor	1879.65	Rupees One Thousand Eight Hundred Seventy Nine And Paise Sixty Five Only	Sqm	7518.60
67	R.A.-1 (Mumbai Parks & Garden SOR 2022-2023)	2.000	<p><b>Planting large flowering / Shady trees ( Height 2 m)-</b> Digging pit with size 0.9m X0.9m X0.9m, removing and conveying unwanted stuff to a required distance as directed. Filling the pit with approved excavated material upto height of 0.3m and remaining height of 0.6 m with fresh garden soil and manure in 3:1 proportion. Mixing soil and manure thoroughly well, leveling, as directed, watering previous night , planting two to three year old minimum 2 m height, healthy trees sapling as per specification. Maintaining till well established by watering, weeding, stirring of soil replacing of casualties etc. complete. <b>+ Garden Soil :-</b> Supplying on site garden soil well sieved 90 % to pass through I.S. sieve of 10mm size free from stones rubbish like dried grass roots and other such materials. The soil should be fresh from quarry .The colour of the soil generally is red .The soil will be measured by measuring box (Farma). { (Item includes royalty charges, transporting, loading- unloading etc.) Lead charges per 30 Km is considered.} <b>+ Farm Yard Manure:-</b> Supplying on site well decayed, well dried, well powdered, without clods and free from stones, dried grass and other rubbish material. The colour of the manure generally is black. The manure will be measured by measuring box (Farma). { (Item includes transporting, loading-unloading etc.) Lead charges per 30 Km is</p>	971.75	Rupees Nine Hundred Seventy One And Paise Seventy Five Only	No.	1943.50

			considered.}				
		0.000	First Floor	981.50	Rupees Nine Hundred Eighty One And Paise Fifty Only	No.	0.00
		0.000	Second Floor	991.20	Rupees Nine Hundred Ninety One And Paise Twenty Only	No.	0.00
		0.000	Third Floor	1000.90	Rupees One Thousand And Paise Ninety Only	No.	0.00
68	R.A.-2 (Mumbai Parks & Garden SOR 2022-2023)	17.130	<p><b>Preparing Shrubbery:-</b>Excavating the ground to a required depth of 30cms, removing &amp; conveying unwanted stuff to a required distance as directed. Filling fresh garden soil &amp; manure in excavated area in 3:1 proportion to a height of 30cms. Mixing garden soil and manure thoroughly well, leveling, and watering on previous night. Planting well-developed shrubs plant 0.50mtrs heights 0.45 mtrs apart as directed and maintaining till well established by watering, weeding, stirring, replacing casualties etc. complete. + <b>Garden Soil :-</b> Supplying on site garden soil well sieved 90 % to pass through I.S. sieve of 10mm size free from stones rubbish like dried grass roots and other such materials.The soil should be fresh from quarry .The colour of the soil generally is red .The soil will be measured by measuring box (Farma). { (Item includes royalty charges, transporting, loading-unloading etc.) Lead charges per 30 Km is considered.} + <b>Farm Yard Manure:-</b> Supplying on site well decayed, well dried, well powdered, without clods and free from stones, dried grass and other rubbish material. The colour of the manure generally is black. The manure will be</p>	922.25	Rupees Nine Hundred Twenty Two And Paise Twenty Five Only	Sqm	15798.14

			measured by measuring box (Farma). { (Item includes transporting, loading- unloading etc.) Lead charges per 30 Km is considered.}				
		2.000	First Floor	931.45	Rupees Nine Hundred Thirty One And Paise Forty Five Only	Sqm	1862.90
		2.000	Second Floor	940.70	Rupees Nine Hundred Forty And Paise Seventy Only	Sqm	1881.40
		2.000	Third Floor	949.90	Rupees Nine Hundred Forty Nine And Paise Ninety Only	Sqm	1899.80
69	R.A.-3 (Mumbai Parks & Garden SOR 2022-2023)	10.000	<b>Preparing Instant Lawn:-</b> Excavating the ground to a required depth of 20cms, removing & conveying unwanted stuff to a required distance as directed. Filling fresh garden soil & manure in 3:1 proportion to a height of 20cms. Mixing garden soil and manure thoroughly, well, leveling, with required slope, light watering on previous night, rolling on surface, fixing readymade lawn turf, rolls or slabs of required variety as directed. Ramming on it for proper fixing and maintaining till well established by watering, weeding, clipping or mowing etc.complete. <b>+ Garden Soil :-</b> Supplying on site garden soil well sieved 90 % to pass through I.S. sieve of 10mm size free from stones rubbish like dried grass roots and other such materials.The soil should be fresh from quarry .The colour of the soil generally is red .The soil will be measured by measuring box (Farma). { (Item includes royalty charges, transporting, loading-unloading etc.) Lead charges per 30 Km is considered.} <b>+ Farm Yard Manure:-</b> Supplying	572.55	Rupees Five Hundred Seventy Two And Paise Fifty Five Only	Sqm	5725.50

			on site well decayed, well dried, well powdered, without clods and free from stones, dried grass and other rubbish material. The colour of the manure generally is black. The manure will be measured by measuring box (Farma). { (Item includes transporting, loading- unloading etc.) Lead charges per 30 Km is considered.}				
		2.000	First Floor	578.25	Rupees Five Hundred Seventy Eight And Paise Twenty Five Only	Sqm	1156.50
		2.000	Second Floor	584.00	Rupees Five Hundred Eighty Four Only	Sqm	1168.00
		2.000	Third Floor	589.70	Rupees Five Hundred Eighty Nine And Paise Seventy Only	Sqm	1179.40
70	BDV Item No.- 41.78	0.000	Providing and constructing granite kitchen platform with fixing of stainless steel sink 600 mm x 450 mm size as per detailed drawing including vertical both side polished kadappah stone 25 to 30 mm thick supports with kadappah top 35 to 40 mm thick and polished granite 16 to 20 mm top with side strips of granite at front and both sides of platform raised with two vertical granite supports 15 cm height and top granite of 75 x 40 cm including cutting, opening for sink of required size in kadappah as well as granite etc. complete. (Platform top size 5.00 m x 0.60 m and height is 0.75 m)	10142.30	Rupees Ten Thousand One Hundred Forty Two And Paise Thirty Only	Sqm	0.00

		1.560	First Floor	10243.65	Rupees Ten Thousand Two Hundred Forty Three And Paise Sixty Five Only	Sqm	15980.09
		5.620	Second Floor	10345.05	Rupees Ten Thousand Three Hundred Forty Five And Paise Five Only	Sqm	58139.18
		0.000	Third Floor	10446.40	Rupees Ten Thousand Four Hundred Forty Six And Paise Forty Only	Sqm	0.00
71	Ratnagiri Circular No.1(25-07-2022) Item No.6	1.380	Providing Laterite Stone masonry in cement mortar 1:6 in superstructure including raking out joints when plastering is to be done/ striking joints when no plastering is to be done watering and scaffolding..	7439.05	Rupees Seven Thousand Four Hundred Thirty Nine And Paise Five Only	Cum	10265.89
		1.660	First Floor	7506.20	Rupees Seven Thousand Five Hundred Six And Paise Twenty Only	Cum	12460.29
		1.660	Second Floor	7573.35	Rupees Seven Thousand Five Hundred Seventy Three And Paise Thirty Five Only	Cum	12571.76
		1.660	Third Floor	7640.50	Rupees Seven Thousand Six Hundred Forty And Paise Fifty Only	Cum	12683.23

72	BDL 15A Item No.32.16	0.000	Providing flush grooved pointing with cement mortar 1:3 for brick work including scaffolding and curing etc. complete.	179.20	Rupees One Hundred Seventy Nine And Paise Twenty Only	Sqm	0.00
		180.290	First Floor	180.95	Rupees One Hundred Eighty And Paise Ninety Five Only	Sqm	32623.48
		180.290	Second Floor	182.75	Rupees One Hundred Eighty Two And Paise Seventy Five Only	Sqm	32948.00
		180.290	Third Floor	184.55	Rupees One Hundred Eighty Four And Paise Fifty Five Only	Sqm	33272.52
73	BDV 19 Item No.41.56	0.000	Providing and fixing 45 cm wide mild steel ladder of 40mm x 6 mm mild steel flat stringers and steps of 18mm dia. mild steel bar for water tank including fixing it in (1:2:4) M-15 cement concrete block 60cm x 30cm x 30cm and painting the ladder complete. (Anti Corrosive Paint)	1163.65	Rupees One Thousand One Hundred Sixty Three And Paise Sixty Five Only	Rmt	0.00
		0.000	First Floor	1163.65	Rupees One Thousand One Hundred Sixty Three And Paise Sixty Five Only	Rmt	0.00
		0.000	Second Floor	1163.65	Rupees One Thousand One Hundred Sixty Three And Paise Sixty Five Only	Rmt	0.00

		17.000	Third Floor	1163.65	Rupees One Thousand One Hundred Sixty Three And Paise Sixty Five Only	Rmt	19782.05
					<b>TOTAL=</b>		<b>104363046.66</b>
					<b>SAY TOTAL =</b>		<b>104363047.00</b>

Note 1 - All work shall be carried out as per P.W.D. Hand Book and other specifications of the Division or as directed.

Note 2 - All the columns in the schedule be filled in, in ink and the total of the entries in the last column should be by the contractor under his signature.

Note 3 - Rates quoted include clearance of site ( prior to commencement of work and at its close) in all respects and hold good for work under all conditions site, moisture, weather etc.

( Signature of tenderer)

(Signature of Chief Officer)

Note - To be continued on additional sheets if found necessary\\

## ADDITIONAL SPECIFICATIONS FOR CIVIL WORKS

Name of work: - CONSTRUCTION OF MUNICIPAL OFFICE BUILDING AT C.S. NO. 5909 AT CHIPLUN FOR CHIPLUN MUNICIPAL COUNCIL, CHIPLUN, DIST. RATNAGIRI.

### Additional Specification for controlled Concrete.

#### For items included under Development Works

##### 1.General:-

For all items of reinforced cement concrete work for structural portion of components only 'Design Mix concrete shall be used. R.C.C. work shall comply with specifications BDF and I.S. 456-2000.

##### 2. Material: -

###### 2.1 Cement:-

Ordinary Portland cement conforming to IS 8112, 1889 for 43 grade & IS 12699-1987 for 53 grade cement shall only be permitted. The make and quality of cement to be used in the job shall be subject to the approval of the Engineer In Charge. Before actual use cement shall be tested by the contractor at his own cost. Any cement which has been stored for a period more than three months shall be retested before use.

###### 2.2 Fine Aggregate: -

The quality and grading of fine aggregate shall conform to IS 383. The fine aggregate shall be tested as per relevant IS practice for grading and deleterious material contents. From time to time as directed by Engineer In Charge and record maintained thereof.

###### 2.3 Course Aggregate:

The size and quality of course aggregate of concreting work shall comply with IS 383. Course aggregate of crushed stone only shall be used. The maximum nominal size of course aggregate for different items of work shall conform to I.S.456-2000 and stipulations made in mix design of concrete. The course aggregate shall be tested as per relevant IS practice from time to time as directed by Engineer In Charge and record maintained thereof.

###### 2.4 Water:-

Potable water shall be used for mixing and curing concrete. Permissible limits of solids shall be as per I.S.456-2000-

###### 2.5 Formwork and centering:-

Formwork including complete false work shall be designed by the contractor in accordance with IS 2750, 4041 and all other relevant IS codes without an extra cost to the Employer and these shall be got approved from the Engineer In Charge before any Formwork is taken up.

The shuttering shall have smooth and even surface and its joints shall not permit leakage of cement slurry.

Ply-board shuttering material to be used for sides of beams and columns shall be marine or laminated ply-woods well seasoned free from projecting nails, split or other defects that may mark on the surface of concrete. Mild steel plates or ply-woods shall be used for slab and beam bottoms .

For centering, supporting arrangement, steel centering such as steel trusses /joists/spans, adjustable props, H type frame etc. shall be used.

##### 3. Workmanship:-

###### 3.1 Proportioning of concrete:

Proportioning of concrete shall conform to IS 10262-1982 unless otherwise directed by Engineer In Charge water cement ratio and minimum cement content (to ensure adequate durability) shall be as per IS 456- 2000.

### 3.2 Mixing of concrete:-

Design mix concrete shall be mixed following the provisions in standard specifications at b 6.4 unless otherwise directed by Engineer In charge.

Concrete of specified grade shall be designed on the basis of preliminary tests. The contractor shall make trial mixes using samples of aggregates and cement typical of those to be used in the works. Design mix shall be carried out in accordance with the provision laid down in IS 10262-1982 and SP 23-1982.

Preliminary tests and strength requirements of controlled concrete shall confirm to IS 456-2000. All these preliminary tests approvals etc. shall be got done well in advance by the contractor from approved laboratory before any concreting is contemplated. Failure on the part of the contractor to do so and the consequent delay in the completion of the work will not entitle him to any compensation whatsoever, either financially or by way of extension of time.

Concrete shall be produced only by weigh batching. Batch type mixer shall comply with IS 1791-1985, IS 935. The accuracy to weigh batcher shall be periodically checked.

When swing type weigh batchers are used, they shall comply with IS 2722. Batch mixer shall be tested and performed in accordance with IS 4634.

During hot weather, the contractor shall ensure that the constituent materials are sufficiently cool to prevent the concrete from stiffening in the intervals between it's discharge from the mixer and it's final position.

### 3.3 Transportation, Pacing and Compaction of Concrete:-

The method of transportation, placing and compaction of concrete shall be followed as per section B.6.6, 6.7 and 6.8 of standard specification unless otherwise directed by the Engineer In Charge. The compaction shall be done with surface float vibrators for slab and pin vibrators for columns and beams, vibrators of adequate capacity shall be employed for all types of works.

To avoid bulging clamps shall be fixed to hold the forms together and for beams and columns of depth/width more than 600-mm tie bolts with PVC sleeves shall be provided at 500-mm c/c.

### 3.4 Curing:-

Curing shall be done following provision of section B.6.9 of standard specification and as directed by Engineer In Charge.

### 3.5 Removal of Formwork:-

The formwork shall be so removed as not to cause any damages to concrete. Centering shall be gradually and uniformly lowered in such a manner as to avoid any shock or vibration. Support shall be removed in such a manner as to permit the concrete to take stresses due to its own weight uniformly and gradually.

Under no circumstances should formwork be struck until the concrete reaches a strength of atleast twice the stress to which the concrete may be subjected at the time of striking but not before the period as mentioned in IS 456-2000, where ordinary portland cement is used.

### 3.6 Finishing: -

Finishing work shall comply with requirements of section B-6.10 of standard specification unless otherwise specified.

### 3.7 Construction joints: -

Construction joints shall be provided and treated following the provision of IS 456-2000 and as directed by Engineer In Charge.

### 4. Durability: -

Minimum cement content for different exposures are given in Table 19 and 20 of IS 456-2000 shall be followed for design mix.

### 5. Tests and standard of Acceptance:-

5.1 Test and standard of acceptance criteria of design mix concrete (sampling and testing) shall be done as per provisions of section B-6.12 of standard specifications.

Different tests required to be carried out for concrete works including the mix design, cube testing as per specification shall be got done by the contractor at his own cost in one of the approved laboratories. All incidental charges / cost shall be borne by the contractor.

### 6. Mode of measurement:-

Mode of measurements shall be as follows:-

- |  |                   |
|--|-------------------|
| 1. Column footing / raft                             | BDF 3/P. No. 298  |
| 2. Column  | BDF 5/P. No. 300  |
| 3. Pardi   | BDF 11/P. No. 304 |
| 4. Beam, lintel                                      | BDF 6/P. No. 300  |
| 5. Slab-Chajja, Canopy, Landing<br>Waist slab, steps | BDF 8 / P. No.302 |

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Name of work: -CONSTRUCTION OF MUNICIPAL OFFICE BUILDING AT C.S. NO. 5909 AT  
CHIPLUN FOR CHIPLUN MUNICIPAL COUNCIL, CHIPLUN, DIST. RATNAGIRI.

Flush Doors – Main and Internal

Providing and fixing solid core flush door shutter in single leaf 32mm thick including Teak wood mouldingslippingand beading on all four edges without ventilator of decorative type of exterior grade as per detailed drawingsapproved face veneers 3mm thick on both faces or as directed, with wrought iron hold fast iron oxidised fixtures and fastenings and handles on both sides, with brass mortise lock, and finishing with French polish etc. and providing and fixing M40 grade thick vibrated pull cast or similar type concrete frame chamfer confirming to I S 6524-1983 having 6mm dia bars 3 nos.and stirrups @ 250mm c/c and fixing wall with 8 Nos holdfast of 12mm dia. bars 500mm long including primer and 3 coat oil painting etc. a) frame size 60mmx100mm

Providing & fixing solid core flush doorshutter commercial in single leaf 32mm thick including Teak wood mouldingslippingand beading on all four edges without ventilator commercial type of exterior grade as per detailed drawings with wrought iron hold fast , stainless steel fixtures and fastenings and handles on both sides and finishing with oil painting 3 coats complete.and providing and fixing M40 grade thick vibrated pull cast or similar type concrete frame chamfer confirming to I S 6524-1983 having 6mm dia bars 3 nos.and stirrups @ 250mm c/c and fixing wall with 8 Nos holdfast of 12mm dia. bars 500mm long including primer and 3 coat oil painting etc. a) frame size 60mmx100mm

Providing and fixing fiber glass reinforced polyster door shutter 30mm thick as per IS 14856(2000) (Reaffirmed 2006) without ventilator including chromium plated fixtures and fastenings with chromium plated handles on both sides, etc complete. ( For Toilet Doors only)

1. General:-

The door shall be of flush type solid core commercial type 32mm thick including Teak wood mouldingslippingand beading on all four edgeswith concrete frame M40 Grade of 100mmx60mm c/s.

2. Material:-

Door frames

CONCRETE DOOR FRAME:-

2.1. Scope of work: This specification lays down the requirements regarding materials; dimensions and construction of CONCRETE door frame for internal use.

2.2. Material:M40 grade thick vibrated pull cast or similar type concrete frame chamfer confirming to I S 6524-1983having 6mm dia bars 3 nos.and stirrups @ 250mm c/c.

2.3. Standard sizes Tolerances and Designations:

Sizes: The overall sizes and types of door frame shall be as shown in drawing. 5mm clearance on all the four sides shall be allowed for the purpose of fitting the frame into modular openings.

Tolerances: The size indicated in drawings for door frame shall not vary by more than(+/-) 2mm.

2.4. Toilet/WC/Bath Door Frames – Providing and fixing Green Marble of 18 to 20mm thick for Door frames on plastered surfaces including filling joints with polymer base filler nosing the sharp edges wherever necessary, curing, etc complete.

3. Shutter:-

Solid core flush door commercial type on single leaf 32mm thick . Each shutter shall be legibly and indelibly marked on any of its edges with the following information.

a) Name of the manufacturer or trademark if any.

b) Abbreviation indicating the nature of construction of the shutter (As per 4.1 I.S.2202-1991).

- c) Whether the size of the shutter is 'Modular or Non modular'
- d) Designation as specified in Table 2 (I .S. 2202 –1991) of the standard for modular sizes, or the actual size (width and height) for non modular sizes, along with appropriate symbols or door shutter as given in table 2 of I .S. 2202 –1991.
- e) Thickness of door shutter.
- f) The shutter may also be marked with the I.S.I. certification.

### 3.1 Lipping:-

Teakwood lipping shall be provided on all four edges of door shutter. Lipping shall be in one-piece size minimum 6 mm wide & depth equal to the thickness of shutter

### 3.2 Fixtures and fastening:-

Wrought iron hold fast iron oxidised fixtures and fastenings and handles on both sides.

### 4. Finishing:-

As mentioned in specification. Shutter and frame shall be painted with three coats of approved make & shade oil paint with over one coat of primer.

### 5. Workmanship:

All the faces of the door shutter shall be at right angles. The shutter shall be free from twist and warps in it's plane. The workmanship and finish of face panels shall be in conformity with those specified I.S.303 –1989 specification for plywood for general purpose (Revised). Sample of shutter and frame, fixtures, fastenings shall be got approved before manufacturing/procuring of entire quantity.

### 6. Mode of measurement:-

Mode of measurement shall be as per BDT 5. The contract rate shall be for unit of one square meter of the clear unrebated opening of the door.

Chief Officer

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Name of work: - CONSTRUCTION OF MUNICIPAL OFFICE BUILDING AT C.S. NO. 5909 AT  
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STANDARD HEIGHTS OF DOOR FITTINGS

DESCRIPTION	HEIGHT FROM F.E.L	POSITION
<u>(A) MAIN DOOR</u>		
<u>--- INSIDE</u>		
1. Tower Bolt	Finish to top of shutter	5 cm (2") from opening edge of shutter.
2. Safety Chain	145 cm (58")	5 cm (2") from opening edge of shutter
3. Eye piece	145 cm (58")	At center of shutter.
4. Handle 'D' type (bottom)	120 cm (48")	6.5 cm (2 ½") from opening edge of shutter.
5. Mortise lock/ Nightlatch	100 cm (40")	Opening edge of shutter
6. Tadi patti	85 cm (34")	At the Opening edge.
7. Rubber Gattu	7.5 cm (3")	7.5 cm (3") from opening edge of shutter.
<u>OUTSIDE</u>		
1. Unit No. plate	175 cm (70")	Center to shutter.
2. Name plate	165.5 cm (67")	Center to shutter.
3. Decorative Handle	110 cm (44")	7.5 cm (3") from opening side (bottom) edge of shutter.
4. Aldrop	90 cm (36")	At the opening edge .
5. Door stopper	As per requirement	At the opening edge .
<u>(B) TOILET DOOR</u>		
1. Handle (bottom)	95 cm (38")	6.5 cm (2 ½") from opening edge of shutter.
2. Baby Latch / Tadi Patti	82.5 cm (33")	At the opening edge.
3. Hook	160 cm (64")	Center of shutter.
4. Rubber Gattu	7.5 cm (3")	7.5 cm (3") at opening edge of shutter.
<u>OUTSIDE</u>		
1. Handle (bottom)	95 cm (38")	6.5 cm (2 ½") from opening edge of shutter.
2. Tadi patti	85 cm (34")	At the opening edge.

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B.B.Coba Waterproofing

Providing and laying Water proof treatment of terrace slab with B.B. Coba in all position with an average thickness of 112 mm consisting specialised materials as per the manufactures specifications and covering 10 years guarantee on court fee stamp paper including all lead, lift etc. complete.

1. General :-

Items pertain to providing and laying water proof layer 112 mm thick on terrace & other floors. The basic intention to execute this item to remake terrace leak proof. This can be achieved only after ensuring the size of bricks & joints and two brick bats. The joints shall not be more than 12 mm.

2. Material:-

2.1 Brick Bats:-

The brick bats to be used for preparation of coba shall confirm I.S. 1077 as regards soundness of parent brick. Brick bat shall be strong, durable, clean and free from impurities. They shall not contain any soft or powdering material under burnt brick bats shall be discarded. The size of brick bats shall range between 70 to 100 mm.

2.2 Fine Aggregate :-

The fine aggregate to be used in preparations of mortar shall confirm to provision of I.S. 383, as regards fineness modules. The sand shall be free from deleterious material and slit.

2.3 Cement :-

Cement shall confirm to requirement of I.S. 8112 of 1989. The cement shall be tested for its compressive strength and setting time in accordance with provision in the I.S. specifications.

2.4 Waterproofing compound :-

The waterproofing compound shall confirm to the provision of I. S. 2465. The 'ROFF PLASTER MASTER' or equivalent integral waterproofing compound shall be used. The compatibility test report of waterproofing compound, which is to be used with cement, shall be furnished by contractor at his own cost.

3 Laying :-

If required the plaster from parapet wall shall be scrubbed to height to at least 30 cm so as to create proper keying of the brick bat coba into the wall.

The position of water spout shall be pre - determined and holes in the wall cut according to the size of the spout recommend. The roof slab be cleaned to remove any dust deleterious materials. The brick bats should be fully soaked into the water for 96 hours before using then for preparation of coba.

Cement mortar in 1:2 proportion shall be prepared with ROFF plaster master (dosage as per manufacturers specification) shall be laid. Brick bats shall be uniformly laid on edge over the mortar in slope. Laying of brick bat shall be such that no two brick bats overlay on each other. After the brick bats are laid the joints shall be filled with cement mortar 1:2 with waterproofing compound (ROFF Plaster Master). The brick bats coba shall be turned up at the parapet junction up to 30 cm to form benching with proper thickness over the existing plaster. Rain water pipes shall be blocked with gunny bags so that entry of cement slurry and bats can be avoided during treatment. ortar C.M. 1:2 with waterproofing

compound shall be provided and leveled over a brick bat coba. Thick cement rendering with waterproofing compound shall be applied for smooth finish. Average thickness of coba shall be 112 mm. False grid of lines at 30 cm x 30 cm shall be provided.

At the location of rain water spout the coba and mortar shall be properly finished for quick flow of water the area 45 cm x 45 cm size or so around the spouts shall be kept sunk by 30

mm below the finished surface of waterproofing layer.

4 Testing and Guarantee :-

The contractor shall give testing of water tightness by providing water on roof for minimum 7 days to entire satisfaction of Engineer In Charge. The contractor shall furnish guarantee of 10 years on court fee stamp paper of Rs. 100 for water tightness of roof. If any defect occurs during guarantee period the contractor shall rectify the same within three days of intimation at their own cost to the satisfaction of Engineer In Charge. Any damage to the other items or any part required to be removed or redone shall have to be carried out by the contractor without any cost 10 % amount of item shall be kept in deposit as retention for 10 years.

5. Mode of Measurement :-

The item rate shall be per unit of one square meter area measured between edges of parapet walls correct upto centimeter and worked out upto two places of decimal of square meter. Vatas shall not be measured separately. No deduction shall be made for rain water pipes.

Contractor

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Name of work: - CONSTRUCTION OF MUNICIPAL OFFICE BUILDING AT C.S. NO. 5909 AT  
CHIPLUN FOR CHIPLUN MUNICIPAL COUNCIL, CHIPLUN, DIST. RATNAGIRI.

**ADDITIONAL SPECIFICATION FOR PLANTATION:-**

**TREES:-** Trees should be provided with at least 2.00m height with the trunk diameter of 2 to 3 inches well developed and of the age not less than 2 years. The type and quality of the plant will be selected by the executive engineer and consultant appointed for the same. Approved saplings only should be brought on site. They should be well protected from fire, heat, animals and anything which may destroy them. They should be kept well watered till plantation in actual place. Excavation of the size of 0.90m x 0.90m x 0.90m at given place for each plant. The excavated pit should be filled with fertilisers, manure and insecticides for 1/3rd of excavated volume and remaining 2/3rd volume by fresh fertilized garden soil. The plants should be provided with organic manure preferably. Initially plants should be supported by the help of bamboo sticks to grow the same in vertical direction. The procedure and specifications given in schedule B form the part of this tender document. The plants should be well protected from natural calamities like heat, rain, wind, animals, theft and all possible instances. They should be well maintained for THREE full years after completion of full work which is the defects liability period.

Measurements:- Trees will be measured in numbers.

**SHRUBS:-** Shrubs should be provided with at least 0.45m height with the trunk diameter of 5 to 10 mm well developed and of the age not less than 1 year. The type and quality of the plant will be selected by the executive engineer and consultant appointed for the same. Approved saplings only should be brought on site. They should be well protected from fire, heat, animals and anything which may destroy them. They should be kept well watered till plantation in actual place. Excavation of the size of 0.30m deep at given place for each plant. The excavated pit should be filled with fertilisers, manure and insecticides for 1/3rd of excavated volume and remaining 2/3rd volume by fresh fertilized garden soil. The plants should be provided with organic manure preferably. Initially plants should be supported by the help of bamboo sticks to grow the same in vertical direction. The procedure and specifications given in schedule B form the part of this tender document. The plants should be well protected from natural calamities like heat, rain, wind, animals, theft and all possible instances. They should be well maintained for THREE full years after completion of full work which is the defects liability period.

Measurements:- Shrubbery will be measured in sqm.

**LAWNS:-** Lawns should be provided well developed and of the age not less than 1 year. Instant Lawns should be used for the purpose. The type and quality of the lawn will be selected by the executive engineer and consultant appointed for the same. Approved saplings only should be brought on site. They should be well protected from fire, heat, animals and anything which may destroy them. They should be kept well watered till plantation in actual place. Excavation of the size of 0.30m deep at given place for the same. The excavated pit should be filled with fertilisers, manure and insecticides for 1/3rd of excavated volume and remaining 2/3rd volume by fresh fertilized garden soil. The lawn should be provided with organic manure preferably. The procedure and specifications given in schedule B form the part of this tender document. The plants should be well protected from natural calamities like heat, rain, wind, animals, theft and all possible instances. They

should be well maintained for THREE full years after completion of full work which is the defects liability period.

Measurements:-Lawns will be measured in sqm of actual area laid.

### **LIST OF MATERIALS FOR CIVIL WORKS**

The materials, accessories, fittings, etc. be used in the civil, plumbing work, shall be one of the following particular make or equivalent IS Make. The direction of selection of any particular make shall be rest with Municipal Engineer. All civil materials shall bear ISI mark.

Sr. No	Name Of Materials	Name of Brand/ Company
1	Cement	L & T, Gujrat-Ambuja, A.C.C., Birla.
2	Steel	TISCO, IISCO, SAIL, SRMB, ICON
3	Concrete Blocks	Shirke, Eversmile, Unitech, VED PMC.
4	Ceramic Tiles, Glazed Tiles	Nitco, Spartek, Bell Ceramic, Johnson & Johnson, Somani, Pedder, Kajaria, Regency.
5	Vitrified tiles	Marbonite of M/s Johnson & Johnson, NITCO, Kajaria.
6	Glass	M/s Triveni, M/s Indo-Asahi Glass, MODI, SAINT GOBAIN.
7	G.I. Pipes & Fittings	Tata, Zenith, G.M.T. Gujrat Steel Tubes.
8	C.P. Fittings	Any ISI Mark
9	W.C. Pan, Wash Hand Basin & Urinals	M/s Hindustan, M/s Neycer, M/s Parryware, Hindware, Cera.
10	Synthetic Paints, O.B.D.	First quality paint of M/s Asian, I.C.I. Paints, Nerolac, Berger.
11	Aluminium Section and Window	Jindal, Hindalco, Gujarat Aluminum
12	PVC & CPVC, Pipe.	M/s Finolex, M/s Prince, M/s Kisan, Astron, Supreme.
13	100% Acrylic Paint & semi acrylic paint	Apex of M/s Asian, Outshine of M/s Nitco, Weathershield of M/s. ICI Paints.
14	Kitchen Sink	Nirali/Diamond
15	Neeru	Ishan Gold with ISI Mark
16	Flush Door	Anchor, Kitply, Ashok Krishna with ISI Mark
17	Lock & Night Latch	Godrej (7 lever lock)
18	Oil Paint	Asian, Shalimar, Berger, Goodlass
19	Aluminium Paint	Asian, Shalimar, Berger, Goodlass
20	CI Soil Pipe, Vent Pipe, Waste Water Pipe, Rain water Pipe	NECO, CIBCO, ALC
21	Hooks and eyes for Door	Jayant & Shalimar

22	Plastic Flushing cistern	Commander,styleline,Agrawal,Marvel
23	Brass bib taps, stop taps and fittings	Jaguar, Plumber, Hindware.
24	Water Meter	Kranti, Captain, Anand-Asahi, Keycee
25	C.P.Waste Coupling	Anand, Tecno, Agrawal, NEIKO, SEIKO,ISI
26	Water proofing compound	Scot no Imperno, Cici no 1

**N.B any other branded materials duly approved by Municipal Engineer / Consultant. Maybe used by prior approval to samples.**

## EXTRACT



CHIPLUN MUNICIPAL COUNCIL, CHIPLUN.

“EXTRACT OF REGISTER OF SANCTIONED TENDER”

1.	Name of work	CONSTRUCTION OF MUNICIPAL OFFICE BUILDING AT C.S. NO. 5909 AT CHIPLUN FOR CHIPLUN MUNICIPAL COUNCIL, CHIPLUN, DIST. RATNAGIRI.
	Name of the Contractor/s & address	
3.(i)	Administrative approval	xxxx
3.ii)	Technical sanction	xxxxx
4.	Estimated cost of the scheme	Rs.10,43,63,.047.00
5.	Estimated cost put to Tender	Rs.10,43,63,.047.00
6.	Percentage	
7.	Tendered Amount	
8.	Agreement No	B -1 ..... of 2016-17
9.	Acceptance of Tender	Chief Officer, CHIPLUNMunicipalCOUNCIL,CHIPLUN's Letter No. .... dated / /2017
10.	Work Order	Municipal Engineer, CHIPLUNMunicipalCOUNCIL, CHIPLUN's Letter No. .... ..... dated / /2017
11.	Time Limit	18(Eighteen ) Calender Months (Including Monsoon).
12.	Date of Start ( Stipulated)	.....
13.	Date of completion(Stipulated)	.....
14.	Provision for materials on schedule 'A'	- Nil -
15.	Minimum Cost of work for single RA Bill	Rs. 25,00,000/-
16.	Remarks	.....

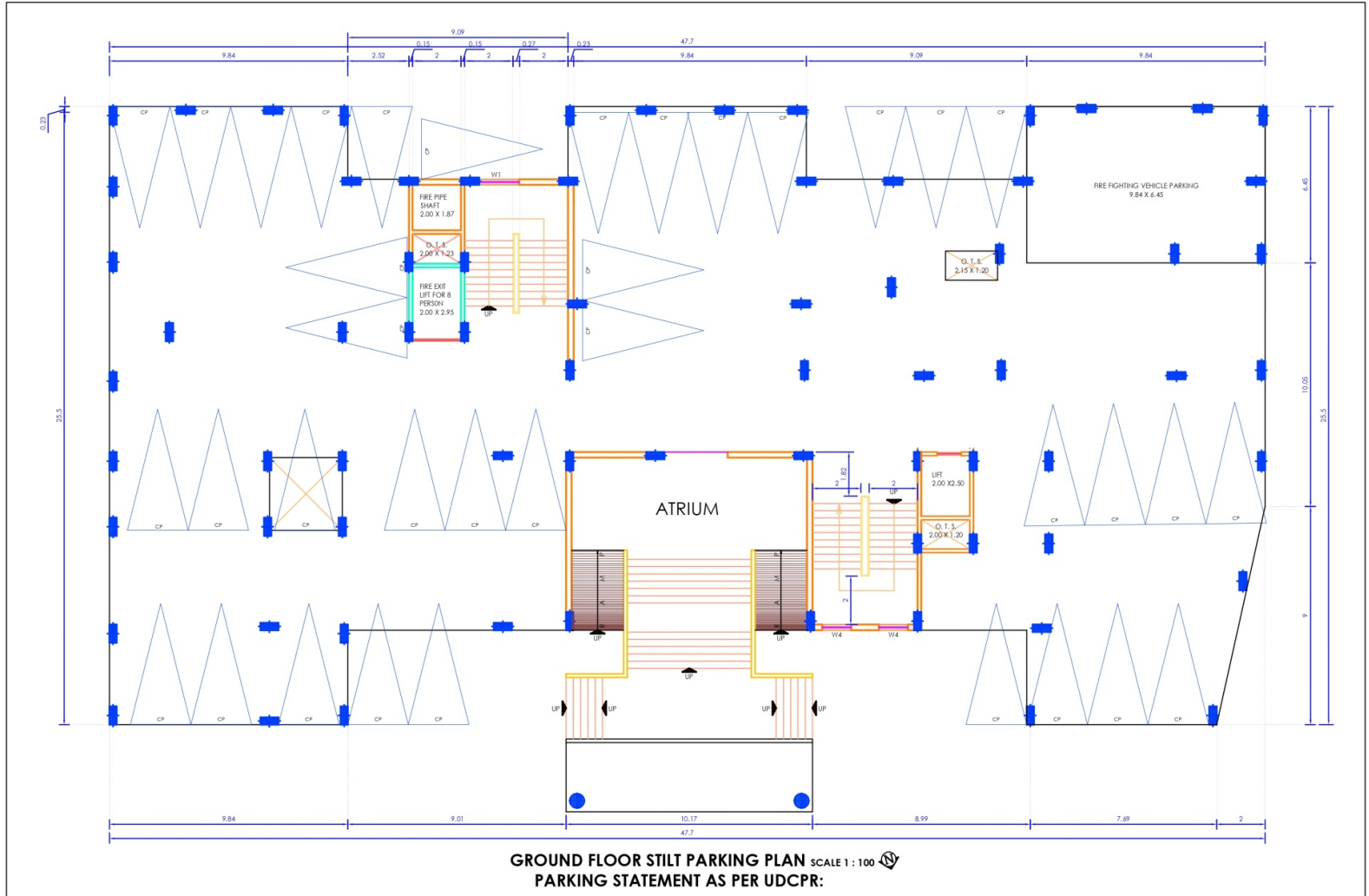
Chief Officer  
CHIPLUNMUNICIPALCOUNCIL,  
CHIPLUN

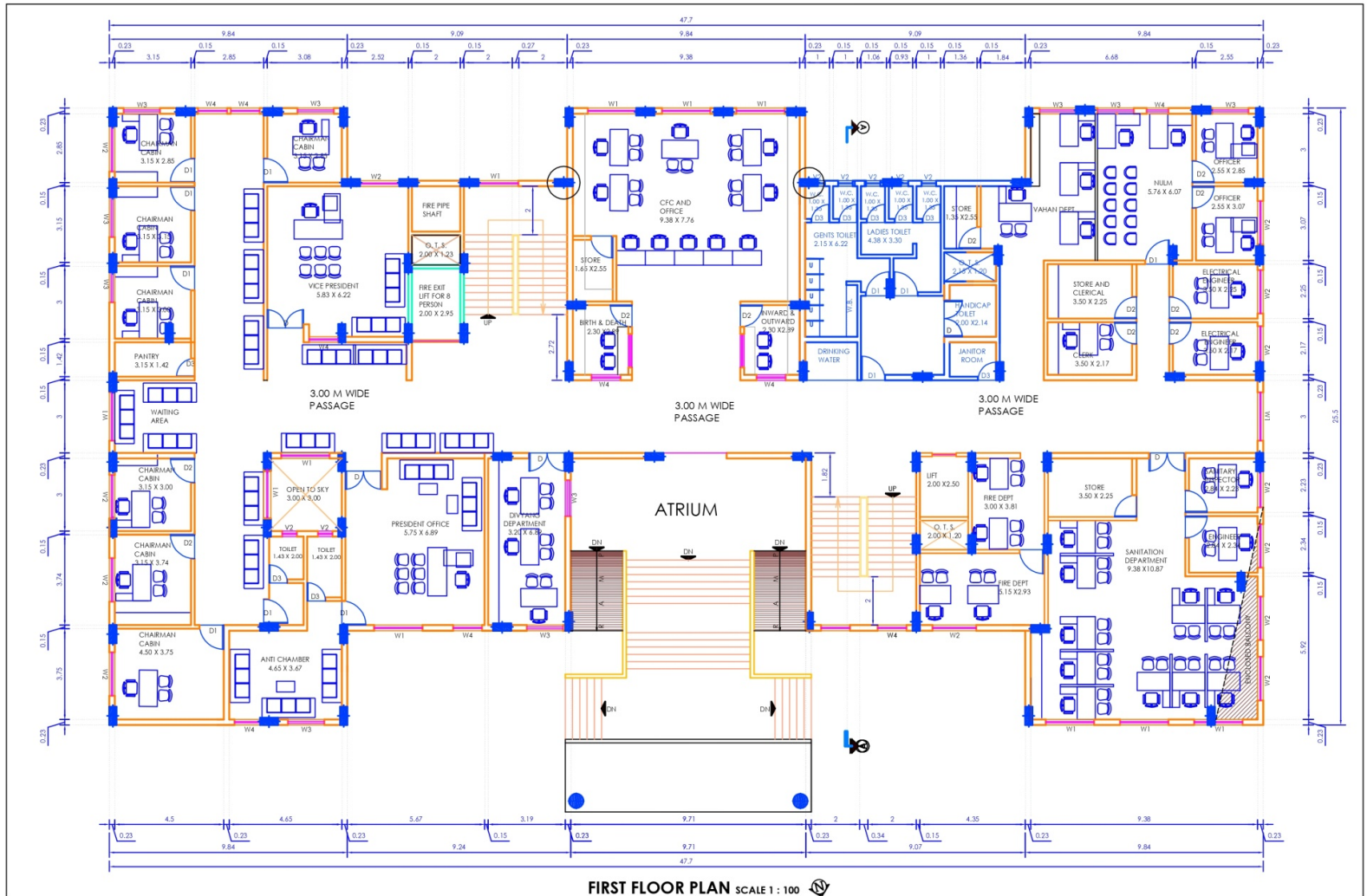
CERTIFIED THAT THE TENDER HAS BEEN SCRUTINISED BY ME AND FOUND TO BE  
COMPLETED IN ALL RESPECTS

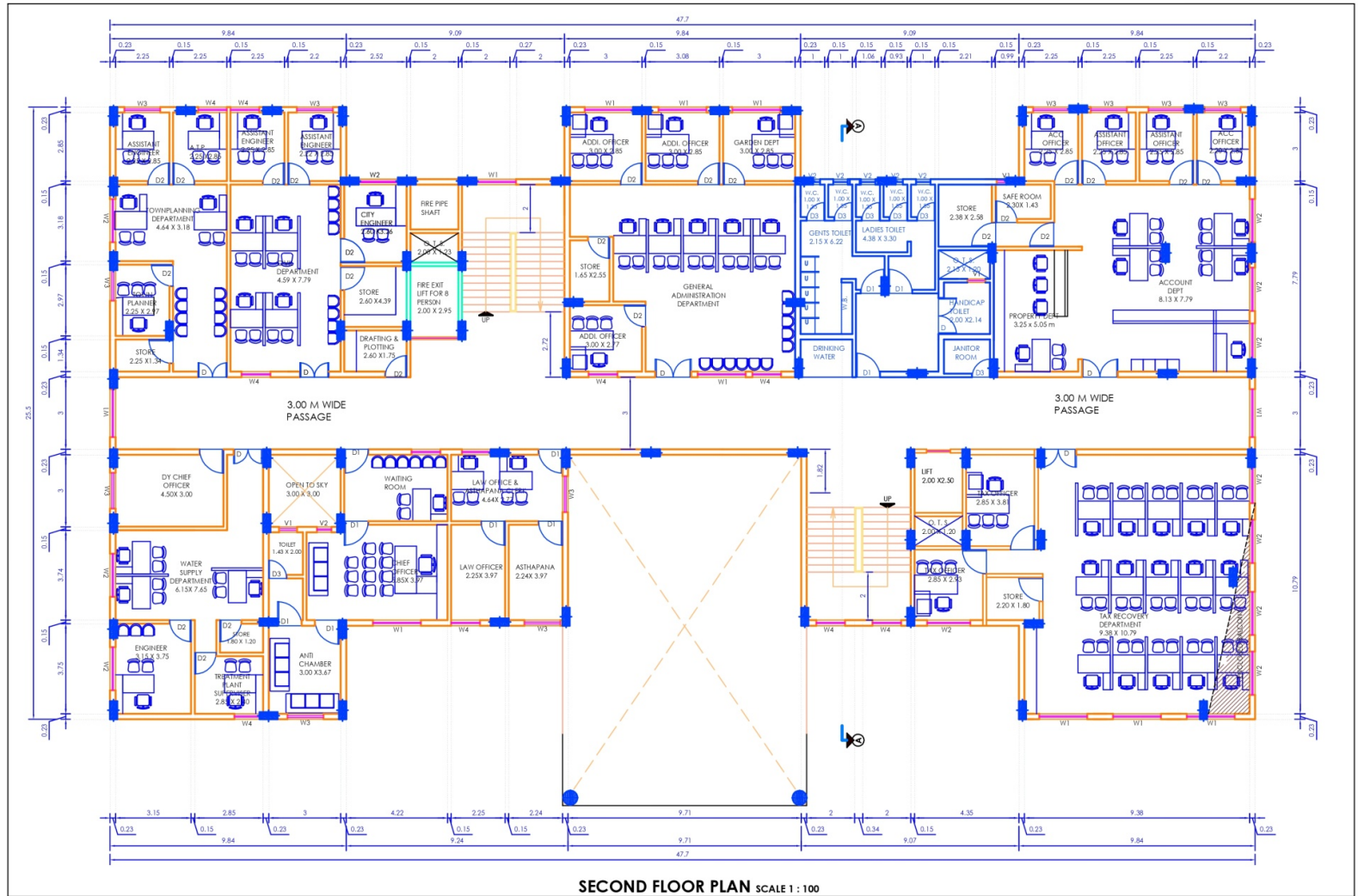
Divisional Accountant  
CHIPLUN MUNICIPAL COUNCIL,  
CHIPLUN.

Chief Accounts Officer,  
CHIPLUN MUNICIPAL COUNCIL,  
CHIPLUN.

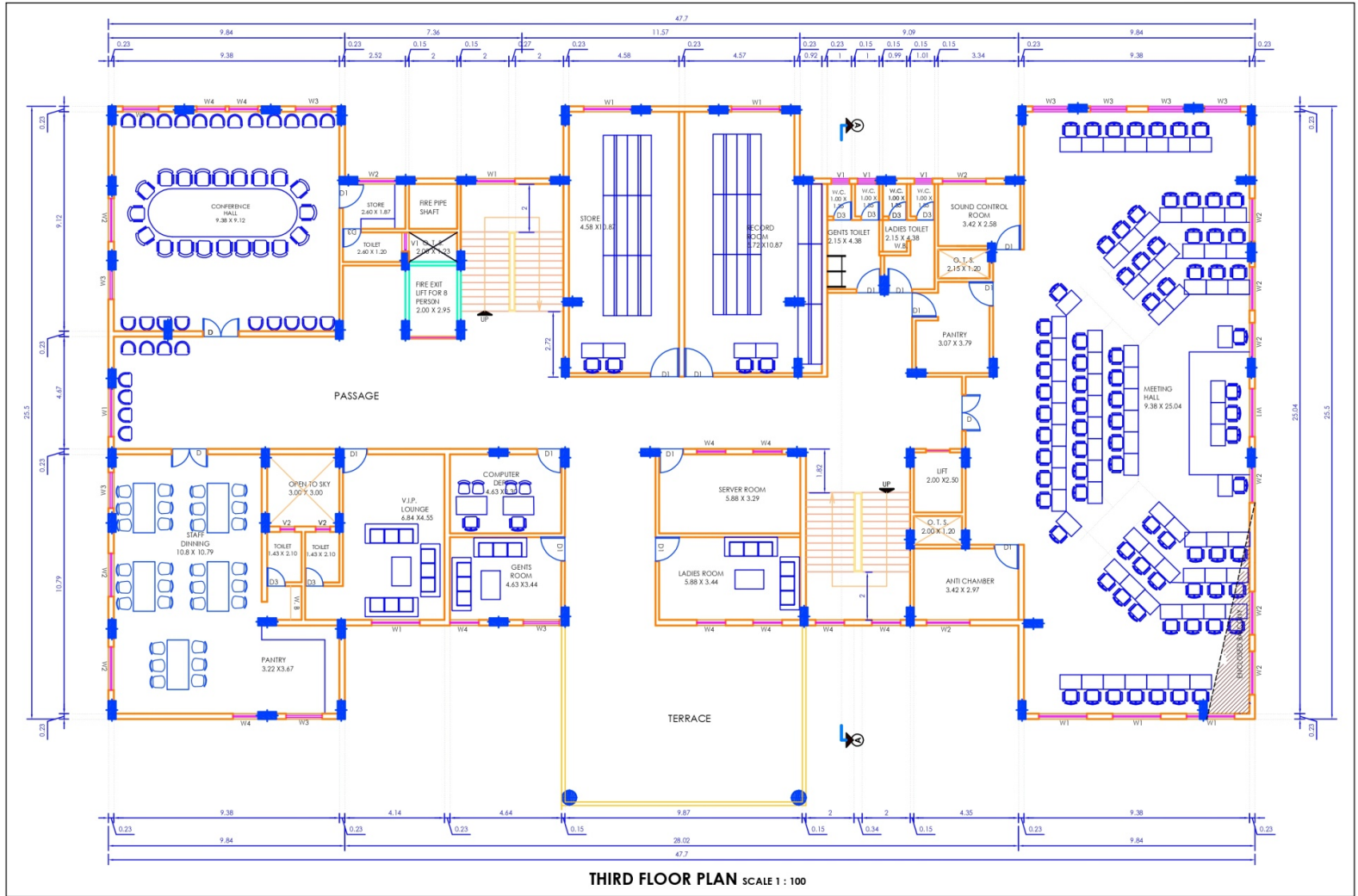
# DRAWINGS

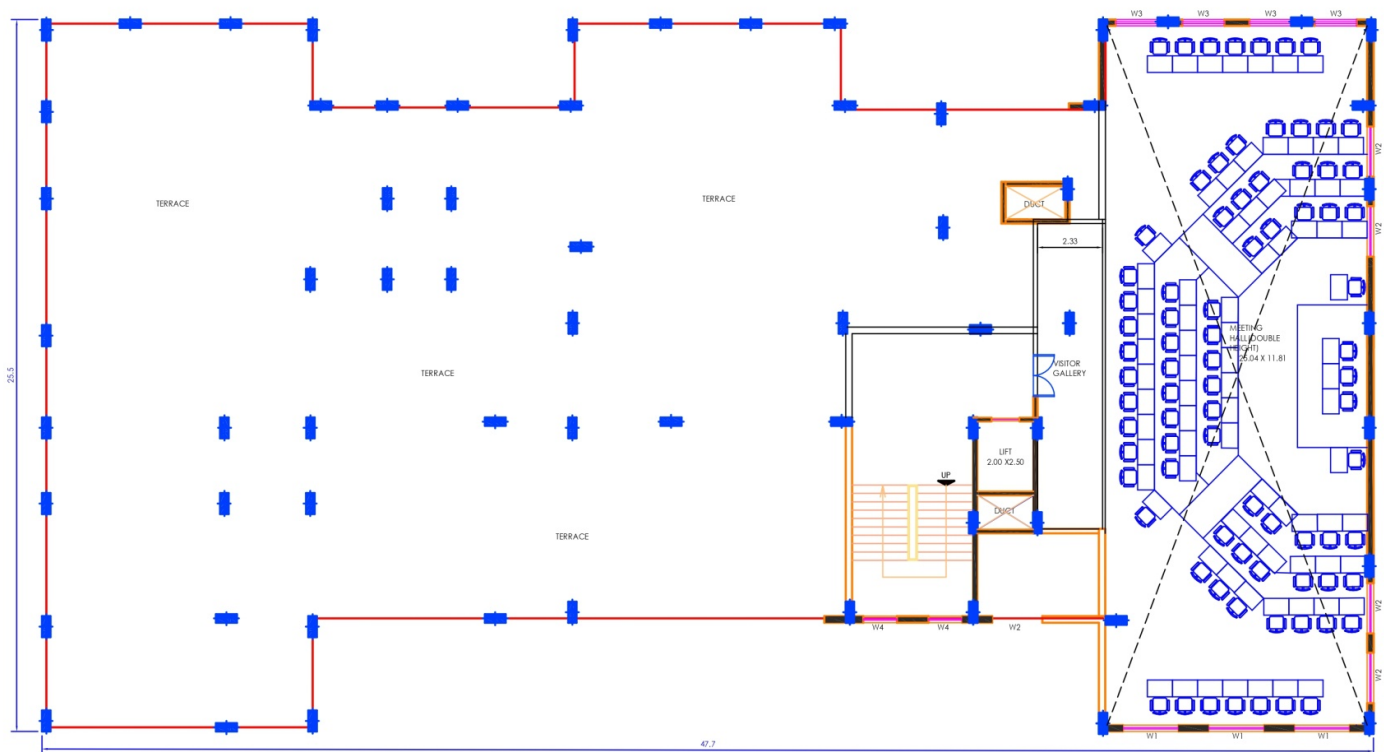






SECOND FLOOR PLAN SCALE 1 : 100





TERRACE FLOOR PLAN SCALE 1 : 100

