VADODARA MUNICIPAL CORPORATION

TENDER DOCUMENT FOR

CONSTRUCTION OF NEW 16 AANGANWADIS AT VARIOUS PLACES IN EAST ZONE AND WEST ZONE

VOLUME-I

PRE-QUALIFICATION BID

April 2026

VADODARA MUNICIPAL CORPORATION

BUILDING PROJECTS DEPARTMENT,

KHANDERAO MARKET BUILDING, VADODARA

Tender Clerk Vadodara Municipal Corporation	Addl. Assi. Engineer Building Project Branch Vadodara Municipal Corporation	Deputy Executive. Engineer Building Project Branch Vadodara Municipal Corporation	Executive. Engineer Building Project Branch Vadodara Municipal Corporation

Addi. Assi. Engineer Street Light Branch Vadodara Municipal Corporation	Deputy Executive. Engineer Street Light Branch Vadodara Municipal Corporation	Executive. Engineer Street Light Branch Vadodara Municipal Corporation

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VADODARA MUNICIPAL CORPORATION

NAME OF WORK: - **CONSTRUCTION OF NEW 16 AANGANWADIS AT VARIOUS PLACES IN EAST ZONE AND WEST ZONE**

VOL–I

Part-1

PRE-QUALIFICATION BID

CHAPTER –I

વડોદરામહાનગરપાલિકા

1.www.vmcegov.com 2.www.vmcegov.org

વડોદરા મહાનગરપાલિકાના યોગ્ય વિભાગ તેમજ યોગ્ય શ્રેણીમાં નોંધાયેલ ઇજારદારો પાસેથી તથા સરકારી /અર્ધસરકારી સંસ્થાના નોંધાયેલ અનુભવી ઇજારદારો પાસેથી નીચે જણાવેલ કામો માટે મહોર બંધ ભાવપત્રો (પ્રી-કવોલીફીકેશન બીડ) રજી.પોસ્ટ એડી/સ્પીડ પોસ્ટથી મંગાવવામાં આવે છે.

અંદાજી રકમ રૂ	બાનાની રકમ રૂ	ટેન્ડર ફી રૂ	ટેન્ડર વિતરણની છેલ્લી તારીખ	ટેન્ડર સ્વીકારવાની છેલ્લી તારીખ	વધુ માહીતી માટેની વિગત	પી.આર.ઓ નંબર
₹ ૨,૫૯,૬૯,૩૮૯/-	₹ ૫,૧૯,૩૮૮/-	૧૦,૦૦૦/-			02652433366 02652433116	

નોંધ: (૧) ઇજારદારે પી.એફ સર્ટીફીકેટ/બાંહેધરી પત્ર રજુ કરવાનુ રહેશે. (૨) પ્રાઇઝબીડમાં કોઇપણ પ્રકારની શરત સ્વીકારવામાં આવશે નહી. (૩) સદર ટેન્ડર (P.Q) સ્પીડ પોસ્ટથીબિલ્ડીંગ પ્રોજેક્ટ શાખા,ખંડેરાવમાર્કેટ,વડોદરાને મળી જવાનો સમય બપોરના ૪-૦૦ કલાક સુધીનો રહેશે. કોઇપણભાવપત્રમંજુર/ નામંજુર કરવાની અબાધીત સત્તા મ્યુ.કમિશ્નરશ્રીનેરહેશે.

નોંધ:-સદરભાવપત્ર(ફકત ઇ-ટેન્ડરીંગ પધ્ધતિથી www.nprocure.com વેબ સાઇટ પરથી ભરી શકાશે. જેનીP.Q બીડ ની હાર્ડકોપી રજુ કરવી.

નોંધ:- સદર ભાવપત્ર (ફકત ઇ-ટેન્ડરીંગપધ્ધતિથી www.nprocure.com વેબસાઇટ પરથી ભરી શકાશે. જેની હાર્ડકોપી તા-----

___/___/૨૦૨૬.ના રોજ સાંજે ___:____ વાગ્યા સુધીમાં રજુ કરવી.

પી.આર.ઓ નં. _____/2026-27
કાર્યપાલક ઇજનેર
(બિલ્ડીંગપ્રોજેક્ટ)

પ્રતિ,
જનસંપર્કઅધીકારીશ્રી,

જનસંપર્ક વિભાગ

વડોદરા મહાનગરપાલિકા

સદર જાહેરાત દૈનિક સમાચારપત્રોમા તથા વેબસાઇટ પર પ્રસિધ્ધા કરવા વિનંતી છે

કાર્યપાલક ઇજનેર

(બિલ્ડીંગ પ્રોજેક્ટ)

વડોદરા મહાનગરપાલિકા

Tender P.R.O No.	Department	Details	Download of Tender			Last date of Receipt of Tender document by post
			Start Date	Pre-bid date	End Date	
	Executive Engineer (Building Project VMC)	CONSTRUCTION OF NEW 16 AANGANWADIS AT VARIOUS PLACES IN EAST ZONE AND WEST ZONE				(Up to 16:00 Hrs.)

વડોદરામહાનગરપાલિકા

પ્રી-ક્વોલીફીકેશન બીડ

કામનું નામ : AS PER NIT (Notice inviting tender)

પ્રી-કવોલીફીકેશનદસ્તાવેજી પત્રો

ભાવપત્ર આપવાની તારીખ:-

ભાવપત્રસોફ્ટ કોપી (n-procure પર)જમા કરવાની તારીખ:-

ભાવપત્રહાર્ડ કોપી જમા કરવાની તારીખ :-

ભાવપત્ર મેળવનાર ઇજારદાર:

કાર્યપાલક ઇજનેર
(બિલ્ડીંગ પ્રોજેક્ટ)
વડોદરામહાનગરપાલિકા

વડોદરામહાનગરપાલિકા

ખાતું/શાખા: બિલ્ડીંગ પ્રોજેક્ટ શાખા

(૧) ટેન્ડર ક્રમાંક:

(૨) ટેન્ડર કી રીસીપ્ટ ક્રમાંક

(૩) કામનુ નામ: AS PER NIT

(ખાતાની પ્રત)

કલાર્ક

બિલ્ડીંગપ્રોજેક્ટ શાખા

વડોદરામહાનગરપાલિકા

વડોદરામહાનગરપાલિકા

ખાતું/શાખા: બિલ્ડીંગ પ્રોજેક્ટ શાખા

(૧) ટેન્ડર ક્રમાંક:

(૨) ટેન્ડર કી રીસીપ્ટ ક્રમાંક

(૩) કામનુ નામ: AS PER NIT

(ઇજારદાર/અરજદારનીપ્રત)

પ્રી.કવોલીફીકેશન બીડ સાથે સામેલ રાખી મોકલવી

કલાર્ક

બિલ્ડીંગપ્રોજેક્ટ શાખા

વડોદરા મહાનગરપાલિકા

MEMORANDUM OF WORK IN BRIEF

1	Name of Work	CONSTRUCTION OF NEW 16 AANGANWADIS AT VARIOUS PLACES IN EAST ZONE AND WEST ZONE
2	Estimated Cost put to Tender	RS. 2,59,69,389/-
3	Registration	Bidder having registered as an approved "B" Class contractor with VMC/Govt/MES/ State Govt./Semi Govt.or such organization corporations Boards Or Registration of R&B Department Special Category -II Building Work (Kindly refer SBD IFB Table-01)
4	Tender Fee	**Rs.10, 000/-**(D.D.in favor of Municipal Commissioner, Vadodara)
5	Earnest Money Deposit (Tender Guarantee)	**Rs.5,19,388/-**In the form of DD (D.D. in favor of Municipal Commissioner, Vadodara) of only any Nationalized Bank or a foreign Bank approved by the Reserve Bank of India. **(https://rbi.org.in/commonman/english/scripts/banksinindia.aspx)** as per Annexure-VII shall be accepted. (Kindly refer SBD ITB Section-01 Clause-6 & 16)
6	Validity Period of Tender offered	120+45=165 days from the date of opening of the financial bid.
7	Time Periods	24 (Excluding Monsoon) months. This will be reckoned from the date of issue of work order.
8	Sale of tender documents Starts	Date:____/_____/_____
9	Last day for sale of Tender Documents	Date:_____/____/____upto16:00hrs
10	Pre-Bid Meeting	**Dt._____/_____/_____at___.____ hrs**. in Building project dept., Vadodara Municipal Corporation, Khanderao Market Building, Rajmahal Road, Vadodara – 390209
11	Last date & Time of Submission of tender soft copy on-procure Physical Submission of Tender Documents	_____/_____/_____Date: upto 16:00 hrs _____/_____/_____ Date: upto 16:00 hrs
12	Mode of sending the tender	PREQUALIFICATION BID should be sealed Properly in one big Cover and send by Speed Post only.
13	Description essential to be made on the sealed main cover	TENDER DOCUMENT FOR THE CONSTRUCTION OF NEW 16 AANGANWADIS AT VARIOUS PLACES IN EAST ZONE AND WEST ZONE

14	Address for Sending	Submitted by Speed Post to Office of the Executive Engineer, Building Project Dept. Vadodara Municipal Corporation, Khanderao Market Building, Rajmahal Road, Vadodara–390209
15	Tender Opening	At the time of opening of tender only “PREQUALIFICATION BID" of Tender will be opened which received in time. After scrutiny of this volume, “PRICEBID” of ONLY those Tenderer Satisfying the Eligibility criteria will be opened.
16	Site Visit	Bidder must visit the site before quoting the tender and understand the site condition thoroughly to execute the work in time.
17	Execution of Work & Co- ordination	Work shall start & progress simultaneously at all components as per the priority and or feasible to work as per site condition, time to time. Third party inspection&/or PMC agency deployed onsite And finish the work in time without any excuses.
18	Terms of Payment	Stage Payments on submission of R.A. Bill by contractor to VADODARA MUNICIPAL CORPORATION.
19	Security Deposit	If the estimated amount of the works up to Rs 1 crore, BID security is to be taken from compulsory demand draft. If the estimated amount of work is more than Rs1 crore, BID SECURITY bank guarantee has to be taken.
20	Performance Guarantee/D.L.P.	**Within 10** (Ten) days of receipt of Letter of Acceptance, the successful Bidder shall furnish to the Employer antirave cable and unconditional guarantee from a BankintheformsetforthinSection8 (the “Performance Security”) Foran amountequalto5% (five percent) of its Contract Price. In case of bids mentioned below, the successful Bidder, along with the Performance Security, shall also furnish To the Authority an irrevocable and Unconditional guarantee from a Banking the same form given at Section 8 towards an Additional Performance Security (The “Additional Performance Security”) for an amount calculated as under: 1. If the Contract Price offered by the Selected Bidder is lower than10% but upto20% of the Estimated Project Cost, then the Additional Performance Security shall be calculated@ 20%of the difference in the(i)Estimated Project Cost (as mentioned in Bid Document)-Minus10%of the Estimated Project Cost and(ii)Contract Price offered by the selected Bidder.

		2 If the Contract Price of freed by the Selected Bidder is lower than20%of the Estimated Project Cost, then the Additional Performance Security shall be calculated@ 30% of the difference in their) Estimated Project Cost (as mentionedinBidDocument)-Minus10%oftheEstimatedProjectCostand(ii)ContractPrice offered by the selected Bidder. 3 This Additional Performance Security shall be treated as part of the Performance Security. 4 The Performance Security shall be valid beyond60(sixty)days of the Defects Liability Period and the Additional Performance Security shall be valid beyond28(twenty- eight) days of Project Completion Date 5 If the performance security is provided by the successful Bidder In the form of a Bank Guarantee, it shall be issued either(a)at the Bidder's option, by a Nationalized/Scheduled Indian bank or (b)by a foreign bank located in India and acceptable to the Employer. Asper GoG Finance Department's Circular No .FD/MSM/efile/4/2023/0057/D.M.O Date 21/04/2023or as per their latest amendment. 6. Failure of the successful Bidder to comply with the requirement of Sub- Clause34.1shall constitute sufficient grounds for cancellation of the award And for feature of the Bid Security
21	Solvency Certificate	Amount of 20% of the estimated value (i.e.Rs. 51,93,878/-) not older than one year from the date of submission of tender.
22	Retention Money	As per document of SBD Page no.53&54 Clause No. 48.
23	Amount to be deducted from each bill for labour welfare fund (non-refundable) Welfarecess act1996	Amount to deducted @1% from each RA & final bill (As per prevailing Govt. rules)
23 a	As per SBD (section no -07) Clause no-(A)	This tender is based on the Percentage Rate of tender (As per standard bid document) GST will be paid separately.
24	Mobilization/Material Advance As per SBD Section no -04 Clause no-51	AS per SBD Section D - clause no. 51

25	Inspection	Employer/Purchaser/Consultants/Third Party inspection. Contractor shall give prior notice for arranging the inspection. Inspection to be carried out as per the approved QAP/ inspection plan. Charges of inspection or any charges of Employer/PMC/TPI / Testing is to be fully paid by contractor. If In case of inspection is outside of Vadodara city, charges of inspection or any charges of PMC/TPI/Testing will be in the scope of Contractor and all such charges will be borne by Contractor only.
26	Test Certificates	Manufacturer's test certificates wherever Applicable on demand of VMC/consultants
27	NOC Certificate by GPCB (Gujarat Pollution Control Board)	To be arranged and born by contractor, If applicable.
28	Insurance	Insurance for contractor's men, machinery / equipment and material in transit as well on site and third-party insurance including indemnity CAR policy also to be arranged by contractor. Comprehensive storage cum erection insurance to be arranged by contractor. Contractor shall also insurance all around property. Note: In case if extension time limit granted to contractor for reasons of either party, contractor shall include this time for the purpose of insurance.
29	Supply of first fill sand all essentials other than power and water for erection and commissioning	To bear ranged and all costs hall be borne by contractor
30	Deduction for poor workmanship/defective materials / work.	An aquittable deduction to correct the poor workmanship or Replacement of materials/equipment at risk of contractor. However, it is not binding to VMC to Accept such poor work or defecting work/Material by making appropriate deduction
31	Liquidated Damages	Delay in completion of work - 0.05% of total contract value per Day or part thereof by which delay has occurred, subject to maximum of 10% of The contract value. (as per SBD CL.49)
32	Testing & Commissioning (As per SBD)	If testing report will not found okay then 1%of the amount of work done should be deducted from R.A .Bill of the contractor for testing the quality material workmanship ,irrespective of actual charges And Respective structure test result must be evaluate with a clear & fact opinion pmc/tpi & structure expert analyses/firm/organization cost(All charges in scope of bidder)if testing report not found as per desire technical criteria then Final decision as per engineer in charge within 14 days.
33	Third Party Inspection and Project Management Company's Inspection or any expert inspection charges.	Incase inspection or testing at site is not possible or it is to be arranged at manufacture's site, inspection/testing charges for visits out of Vadodara/special visits arised on requirement for the site has to be borne by the contractor. No Charges shall be payable by VMC in such cases

CHAPTER-II

NAME OF WORK: Refer NIT

LIST OF P. Q. DOCUMENTS REQUIRED TO BE SUBMITTED

INSTRUCTIONS TO BIDDER

1) Certified copy of Registration in **"B"** Class and Special Category Building-II of registration of contractor with Government/ Semi Government/ Municipal Corporations body.
2) Copy of Last three financial year (F.Y.2023-2024 to F.Y.2025-26) audited (provisional) balance sheet certified by C.A. or Income-Tax clearance certificate.
3) Demand Draft for EMD of 2% amount of Tender value should be attached with Pre-qualification bid in favor of Municipal Commissioner (Vadodara Municipal Corporation).
4) Certified copy of Certificate of P.F Registration Number.
5) The tender must submit list/details of all civil works executed during last 7 year sending last day of month previous to one in which tenders are invited i. e. March 2026.
6) Bidders shall submit Authentic completion certificate/document for the same shall be attached and satisfactory execution certificate for ongoing works along with cost of completion
7) Bidders shall submit Labour License of ongoing work and under taking to get license as per this work. Any issue related to labour licence including any financial issue arising for the site shall be in the scope of agency.
8) Bidders shall provide accurate information on any litigation or arbitration resulting from contracts completed or under execution by him. A history of arbitration/ awards against or for / to the Applicant or any partner of the joint venture/consortium may result in rejection of the tender.
9) Conditional Tender shall not be accepted & shall be rejected.

10) Bidders shall submit Details of Technical and supervisory personnel as per details / Format as per attached annexures.

11) The Tenderer shall produce along with their tender, a solvency certificate of an amount equal to 20% amount of the tendered cost of his financial stability from the Nationalized/Public Sector Bank as per FORM B. If he fails to produce such a certificate, his tender will not be considered.

12) Bidders shall submit detailed approach to Safety Measures.

13) The successful bidder shall give Detailed Activity Bar Chart for the proposed construction and fortnightly progress Report in the format with Photographs in Progress Meeting. (first Barchart within 07 days from the date of work order and then every weekly showing Detailed physical & financial planned progress & achieved progress)

14) All the documents shall be notarized or self-attested.

15) As per the Bombay Stamp Rules Act – 1958, Appendix – 1, Article 5, the Contractor shall enter in to an Agreement with the Corporation on minimum Rs. 300 Stamp Paper and not to pay separate stamp duty. (kindly refer as per current Stamp Rules of GOI)

16) The Bidder shall submit only one bid in his name for same cover. Submission of any additional bids, for the same cover in the name of their partner/associates/group company etc. shall disqualify them.

17) VMC has employed Project Management Consultant &/ or Third-Party Inspection agency to monitor & supervise the said work.

18) The contractor shall get the electrical/Mechanical/Water works executed through the authorized Government approved / licensed electrical person or firm in appropriate category in accordance to contractual provisions.

19) The Civil, Electrical and Mechanical, Water works shall be carried out strictly in accordance to the directives issued by the Engineer in charge.

20) Joint Venture is not allowed; i.e. only independent bidders shall quote the tender.i.e. only independent bidders shall quote the tender. (Note: For arriving at the cost of work done, if incase of any earlier experience involving Joint venture, the cost of work done shall be equal to only the percentage (%) of share in Joint Venture of that particular work.)

Notes:-

a) Price- Bid will be opened after scrutiny of pre-Qualification Bid. Price bid shall not be opened if Tenderer is disqualified at pre-qualification stage.

b) Evaluation of Technical Bid (P.Q. Bid) shall be done on the basis of submitted authentic documents in form of hard copy and soft copy only (refer SBD clause no. 8.1).

c) Once the pre-qualification bid is opened the Tenderer shall not submit any documents/ clarifications without request/approval of authority. Conditional Tenders shall not be accepted & shall be rejected.

d) Demand Draft of tender fee should separately have attached with prequalification documents only in case the Tenderer who download tenders from website.

e) The sealed cover should be prepared for P.Q. Bid. Name of work and Department should be mentioned on cover.

f) The Cost of Bid Document will not be refunded under any circumstance,

g) Tender copy should be reached only by Registered post /Speed post at Office of The Executive Engineer, Building Project Dept. Vadodara Municipal Corporation, on or before Date :___/___/2026 up to ____=_____ hours.

h) The Tenderer are advised to read carefully & study all the pages of tender document which forms part & parcel of the contract Document.

i) Bidder shall visit the site before quoting the tender to understand site condition to execute the work and if required get necessary data at their own cost.

j) Engineer In charge /Executive Engineer/Addl. City. Engineer Vadodara Municipal Corporation & Municipal Commissioner reserves right to accept any or reject all tenders without assigning any reason thereof.

k) Each & Every Documents (ONLINE & OFFLINE) are must be clearly readable & Visible also no Over Writing or any signs /impression or any mark on all it otherwise it will have treated as disqualification.

4.6.3. Selection sub-contractor for Electrical & Mechanical etc. Work as per SBD Clause 4.6.3

Note: Over and above these, documentary papers to be Attached as Per Standard Bidding document Clause 8(8.1) (SBD) with Pre-Qualification (Technical Bid) and whatever written in SBD should be considered as final, if any confusion or query occur related to submission of doucments.

MANDATORY DOCUMENTS TO BE SUBMITTED:

AS PER STANDARD BIDDING DOCUMENTS Clause 8(8.1) (SBD) Section 10/10A

NON-MANDATORY DOCUMENTS TO BE SUBMITTED

1. List for which their claim to meet eligibility criteria as per Sr.No.1.2 of eligibility criteria is meeting.
2. Specifically, for this work list of technical persons proposed to be deployed on the work should be submitted with their name, experience & qualifications.
3. Quality Assurance plan
4. Method statement-indicating the methodology proposed to be used for development of work.
5. Proposed program (BARCHART) schedule for execution of work.
6. Any other relevant documents as desired by the Tenderer.
7. Labour license of ongoing work.

Volume II (FINANCIAL/ PRICE BID) (Kindly refer SBD Clause 8/8.1)

This Price bid shall be submitted on line only.

Rate to be in figures and words

The bidder should quote in English both in figures as well as words the rates and amounts tendered by him **for each item in schedule of rates** in such a way that interpolation is not possible. The amount for each item should be worked out and entered and requisite total given of all items, both in figures and in words. **The total tender amount for the work shall be entered at the end in the tender**. It shall duly sign and attested by the tenderer.

If some discrepancies are found between the Rates in figures and words or the Amount shown in tender, the following procedure shall be followed:

When there is difference between the rates in figures and words, the amount which corresponds/ calculated by the rate quoted in words by the tenderer shall be taken as correct.

(a) When the rate quoted by the tenderer in figures and words tally but the amount is in correct the rate quoted by the tenderer shall be taken as correct.

Any numerical mistakes will not be tolerated; it will be considered as purposefully done act. It may go against the reputation of the tenderer.

વડોદરામહાનગરપાલિકા

પ્રી-કવોલીફીકેશન બીડ સાથે મોકલવાના ડોક્યુમેન્ટ્સની યાદી (હાર્ડ કોપી)

તમામ ભાવપત્રો છેલ્લામાં છેલ્લા માન્ય દસ્તાવેજ પત્રો સાથે

મોકલવા

1.વડોદરા મહાનગર પાલિકામાં યોગ્ય શ્રેણી અને (Kindly refer SBD Clause 8/8.1) તેથી વધુ રકમનું રજીસ્ટ્રેશન ધરાવતા ઇજારદારો માટે.

(અ) કામ માટે જરૂરી ઇ.એમ.ડી અને ટેન્ડર ફી ડીમાન્ડ ડ્રાફટ દ્વારા મોકલવાની છે.

(બ) વડોદરા મહાનગર પાલિકામાં યોગ્ય શ્રેણી કે તેથી વધુ રકમનુ રજીસ્ટ્રેશનના સર્ટીફીકેટની પ્રમાણીત નકલ.

(ક) અનુભવ / પ્લોટ ટુલ્સ / Financial capital અંગેના પ્રી-કવોલીફીકેશન ની જરૂરીયાત મુજબ જે Eligibility Criteriaને પરીપૂર્ણ થાય તેવા પ્રમાણપત્રો ની નકલ.

2.વડોદરા મહાનગર પાલિકામાં માન્ય ઇજારદાર તરીકેરજીસ્ટ્રેશન નહી ધરાવતા ઇજારદારો તરફથી નીચેના પત્રોની પ્રમાણીત નકલો રજૂ કરવાની રહેશે.

(અ) સરકારી અર્ધ/સરકારી સંસ્થાનુમાન્ય ઇજારદાર તરીકે યોગ્ય શ્રેણી અને"(Kindly refer SBD Clause 8/8.1)તેથી વધુ રકમનુ રજીસ્ટ્રેશન સર્ટીફીકેટની પ્રમાણીત નકલ કામ માટે જરૂરી છે.

(બ) EMD નો ડીમાન્ડ ડ્રાફ્ટ રજુ કરવો. (Kindly refer SBD Clause 8/8.1)

(ક) લેબર એકટ હેઠળ મેળવવા માટે બાંહેધરી પત્રક (Kindly refer SBD Clause 8/8.1)

(ડ) છેલ્લા સાત વર્ષમાં ઇજારદારે કરેલા કામોના કંપલીશન સર્ટીફીકેટની પ્રમાણીત નકલો અને હાથ ઉપરના કામોની વિગતોના જરૂરી પત્રો તથા પ્રી-કવોલીફીકેશન/Eligibility criteria પરીપૂર્ણ થાય તે મુજબ ના પ્રમાણ પત્રો ની નકલ (Kindly refer SBD Clause 8/8.1)

(ઈ) જરૂરી રકમની બેંક સોલવન્સી સર્ટીફીકેટની પ્રમાણીત નકલ (Kindly refer SBD Clause 8/8.1)

(ફ)પ્રોફેશનલ ટેક્ષ ભરેલા હોવાની રીસિપ્ટ (Kindly refer SBD Clause 8/8.1)

(ગ)છેલ્લા ત્રણ વર્ષના ઓડિટ બેલેસ શીટ અથવા ઈકમટેક્સ લિયરસ સર્ટીફીકેટ (Kindly refer SBD Clause 8/8.1)

(3) ટેન્ડર ફી નો ડ્રાફ્ટ પ્રી-કવોલીફીકેશન બીડ સાથે અલગ અલગ કવરમાં રજુ કરવાનો રહેશે. (Kindly refer SBD Clause 8/8.1)

~~નોંધ:- ઉપરોકત દર્શાવેલ મુદ્દા નંબર ૧ થી ૨ માં જણાવેલ તમામ ડોકયુમેન્ટ (Kindly refer SBD Clause 8/8.1) માં આપેલ સુચના મુજબ જ આવવા જરૂરી છે. આ ચૈકીનુ ડોકયુમેન્ટ સ્કેન ન થવાના પ્રસંગે ઇજારદાર ડીસકવોલીફાય થવા પાત્ર રહેશે.~~

~~ઉપરોકત તમામ દસ્તાવેજો-પત્રો પ્રી-કવોલીફીકેશન બીડ સાથે હાર્ડ કોપીમાં(ડોકયુમેન્ટ (Kindly refer SBD Clause 8/8.1) માં આપેલ સુચના મુજબ જ) અચુક સામેલ રાખવા ઇજારદારે પ્રી-કવોલીફીકેશન બીડ સીલ કવરમાં,કવર ઉપર કામનું નામ તથા ખાતાનુ નામ દર્શાવી વડોદરા મહાનગર પાલિકાની બિલ્ડીંગ પ્રોજેક્ટ શાખામાં મોકલવાનુ રહેશે.~~

~~પ્રી-કવોલીફીકેશન બીડ ભાવપત્ર ખોલવાની તારીખ સમયે ખોલવાના છે. જે પ્રી-કવોલીફીકેશન બીડની ચકાસણી કરી, માન્ય પ્રી-કવોલીફીકેશન બીડ વાળા ઇજારદારના જ પ્રાઇસબીડ સક્ષમ અધીકારીશ્રીની પૂર્વ મંજુરી મેળવી ખોલવાના છે.~~

~~નોંધ:- ડોકયુમેન્ટ ((Kindly refer SBD Clause 8/8.1) માં આપેલ સુચના મુજબ જ) અમાન્ય પ્રી-કવોલીફીકેશનબીડના ઈજારદારોના પ્રાઇસબીડ ખોલવામાં આવશે નહી.~~

~~કાર્યપાલક ઇજનેરશ્રી /વડોદરા મ્યુનિસિપલ કમિશ્નરશ્રી ને કોઇપણ કે તમામ ભાવપત્રો અમાન્ય કરવાના અબાધીત અધીકાર રહેશે. તેના માટે કોઇ કારણ આપવામાં આવશે નહી.~~

~~ઇજારદારની સહી :~~

~~શાખા/ખાતાઅધિકારી~~

~~વડોદરા મહાનગર પાલિકા~~

~~વડોદરા~~

નોંધ: જરૂરી દસ્તાવેજો રજુ કરવા બાબત કોઈ પણ પ્રકારની મૂંઝવણ અથવા પ્રશ્નો ઉભા થાય છે તો સ્ટાન્ડઅર્ડ બિડિંગ ડોકયુમેન્ટ (SBD) માં આપેલ વિગતો ને આખરી અને ગ્રાહ્ય રાખવામાં આવશે.

વડોદરામહાનગરપાલિકા

બિલ્ડીંગ પ્રોજેક્ટ શાખા

પર્સન્ટેજ ભાવપત્રક

ટેન્ડર ક્રમાંક ---------

સામાન્ય સુચનાઓ

ભાવપત્રક તથા તેની શરતો

ઇજારદારની જાણ માટે સામાન્ય નિયમો તથા સુચનાઓ

૧. જયારે કોઇપણ મંડળ તરફથી ભાવપત્રક (ટેન્ડર) ભરવામાં આવે ત્યારે તે મંડળના દરેક ભાગીદારે તેના ઉપર સહી કરવી જોઇએ ને આવી રીતે કોઇ ભાગીદાર ગેરહાજર હોય તો તેના વતી તેના કાયદેસર મુખત્યારે સહી કરવી જોઇએ.

૨. *કંપની) મંડળી તરફથી થનાર કામોના નાણાં લીધાની પાવતી ઉપર પણ મંડળના દરેક ભાગીદારની સહી થવી જોઇએ માત્ર જયારે કોઇ કામના ભાવપત્રકમાં (મંડળી) કંપનીના નામથી જ કામ રાખેલુ હોય તેવા પ્રસંગે તે મંડળી વતી કોઇ એકાદ ભાગીદાર અગર તો કાયદેસર રીતે પાવતી આપવા જેને અધીકાર હોય એવો મુખત્યાર સહી કરી શકશે.

૩. ભાવપત્રક ભરતી વખતે માંગણી કરનાર ઇજારદારે આપેલા નમુનામાં પોતે કેટલા ટકા વધારે અગર ઓછા (પ્રમાણભુત) ભાવપત્રક અગર અંદાજપત્રકના ભાવો ઉપર ભાવથી કામ રાખવા ખુશી છે તે દર્શાવવુ જોઇએ અને તે ઓછા અગર વધુ ટકાવારી દર્શાવેલા ભાવ અંદાજપત્રકની તમામ રકમ માટે જ હોવા જોઈએ.

૪. સરકારના પ્રવર્તમાન દરો મુજબ જી.એસ.ટી. (G.S.T) અલગથી આપવામાં આવશે.

૫.જાહેરનામામાં જણાવેલી કામની વિગતોમાં અગર કામ પુરુ કરવાની મુદતમાં અગર બીજી કોઇપણ વિગતોનો ફેરફાર દર્શાવનારુ ભાવપત્રક સ્વીકારવામાં આવશે નહી.

૬.અપુર્ણ અગર છેકછાકવાળુ ભાવપત્રક સ્વીકારવામાં આવશે નહી

૭. એકથી અધીક કામો એકમ કરી તેની ઉપર ભાવપત્રક માંગવામાં આવ્યા ન હોય તે સિવાય અન્ય પ્રસંગે કોઇપણ ભાવપત્રકમાં એક થી વધારે કામોનો સમાવેશ થઇ શકશે નહી.

૮. માંગણી કરનારે જે કામની માંગણી કરી હોય તે કામનું નામ તથા પોતાનું અગર મંડળીનુ નામ તેમજ બાનાની રકમ ભર્યા બદલના શેરો ભાવપત્રકવાળા પાકીટની બહારની બાજુએ કરવો જોઈએ

૯. ભાવપત્રકો લેવા માટે મુકરર કરેલ વખત પછી રજુ થયેલા ભાવપત્રકો વિલંબ જુજ કોઇ વિલંબના કારણો સંતોષકારક હોવા સિવાય સ્વીકારવામાં આવશે નહી. પણ આવી રીતે રજુ થયેલ ભાવપત્રકો કોઇપણ ખોલતા અગાઉ આવેલા હોવા જોઇએ

૧૦As per SBD, Vol-1, Detail Specification & Schedule-B. ડોક્યુમેન્ટ (Kindly refer SBD Clause 8/8.1) માં આપેલ સુચના મુજબ જ રજુ કરવા.

૧૧. કામોના કારી રીતસર ગુજરાત સરકારના કરેલા ધોરણ અનુસાર યોગ્ય રકમની સ્ટેમપ ટીકીટીવાળા કાગળ ઉપર થવા જોઈએ અને તેનો ખર્યો ઇજારદારે ભોગવવો જોઇએ.

૧૨. વધુ મુદત મંજુર થવા બાબતની માંગણીઓ કામ પુરુ થવાની તારીખથી એક માસની અંદર સ્વીકારવામાં આવશે અને એક માસ પછી અને ત્રણ માસની અંદર સબળ કારણો હશે તે સ્વીકારવામાં આવશે ત્રણ માસ પછી માંગણીઓ સ્વીકારવામાં આવશે નહી.

૧૩. ઇજારદારે જેમના સગા વડોદરા મહાનગર પાલિકાના બાંધકામ વિભાગમાં નોકરીમાં હોય તેઓ તેમની નોકરીની ભૌગોલીક સ્થળ સીમાની અંદર કામો રાખી શકશે નહી. કારણ સગપણને લીધે સંગીન દેખરેખ રાખી શકશે નહી.

૧૪ ભાવપત્રક મંજુર કરવુ અગર નામંજુર કરવુ એ જે તે અમલદારની મુનસુફી (કાર્યપાલક ઇજનેરશ્રી /વડોદરા મ્યુનિસિપલ કમિશ્નરશ્રી વડોદરા મહાનગર પાલિકાના) ઉપર રાખવામાં આવે છે. અને કોઇપણ ભાવપત્રક ભરનાર નામંજુરના કારણો માંગી શકશે નહી કે કોર્ટમા પડકારી શકશે નહી.

૧૫. માંગણી કરનારે કામની વિગતો જેવી કે નકશા, કામ કરવાની વિગતો (સ્પેસીફીકેશન) વગેરેની માહીતી સારી રીતે લીધેલી છે એમ માનવામાં આવી તે તેને બંધનકારક ગણાશે.

૧૬. ઠરાવેલ વખતે અને સ્થળે આવેલા ભાવપત્રકો જે ઇજારદારો અગર તેમના પ્રતિનીધી વગેરે સમયે હાજર તેમની સમક્ષ ખોલવામાં આવશે.

૧૭. માંગણીદારોએ ખાતાના નીતીનિયમો વખતો વખતની દુરસ્તીઓ તથા કામની પધ્ધતી સબંધી લાગતી તમામ બાબતોથી વાકેફગાર રહેવુ જોઇએ અને સદરહુ નિયમો તેમને માન્યતા વગર અપવાદે બંધનકારક ગણાશે.

૧૮. ઇજારદારે ટેન્ડર ભરતાં પહેલા સાઇટ વીઝીટ કરી લેવાની રહેશે. જરુર જણાયે ભુગર્ભ પાણીના સ્તરની પણ સ્વખર્ચે ચકાસણી કરી લેવાની રહેશે. તથા સાઈટ પર ઇજનેર સૂચવે તે સંખ્યામાં બોરવેલ સ્વખર્ચે કરવાનો રહેશે.અને (After Immediate Effect of H.O.T.O) કામગીરી પુર્ણ થયેથી બોરવેલ વડોદરા મ્યુનિસિપલ કોર્પોરેશનને પાંચ વર્ષ ની વારંટી સાથે સોંપવાનો રહેશે. સાઈટ વિઝીટ સર્ટીફીકેટ રજુ કરવાનું રહેશે.

૧૯. ઇજારદારે સ્પેસીફીકેશન મુજબ કામગીરી કરવાની રહેશે. તેમજ કામગીરીથી સંપુર્ણ જાણકાર હોવા અંગેનુ બાંહેધરીપત્રક ઇજારદારે રજુ કરવાનુ રહેશે.

૨૦. વડોદરા મહાનગર પાલિકામાં રેજીસ્ટ્રેશન ન ધરાવનાર ઇજારદારે ભાવપત્રક મંજૂર થયેથી ૧ માસ માં વડોદરા મહાનગર પાલિકામાં રેજીસ્ટ્રેશન કરાવી લેવાનું રહેશે.

૨૧. સીટી એન્જીનીયરશ્રીની કચેરી પરિપત્ર અંક:13/ -24-25 તા.28/02/2025 આધારે સરકારશ્રીના સને 2024-25 ના GST સિવાયના મંજુર થયેલ SOR મુજબના ભાવોને ધ્યાને લઈને પર્સન્ટેજરેટ અંદાજ બનાવેલ છે.

૨૨. કોન્ટ્રાક્ટરે GST વગરના ભાવો ભરવાના રહેશે. ટેન્ડરમાં પ્રવર્તમાન GST દરનો ઉલ્લેખ અચુક કરવાનો રહેશે. કામના અમલ દરમ્યાન GST દરમાં ફેરફાર (વધારો/ઘટાડો) થવાના કિસ્સામાં VMC દ્વારા ચુકવણી/વસુલાત કરવામાં આવશે. ઇજારદારે GST ના દર અંગે કોઇ સ્પષ્ટતા ન હોવાના સંજોગોમાં કોઇ પણ વધારો કે ઘટાડો આપવામાં આવશે નહી.

23.વિવિધ વિભાગો જેમકે GOI/GOG/Cable/Electric Cable/Jungle Department/Jetco department તથા તમામ સરકારી, અધ્ સરકારી department મંજૂરીની પક્રિયા લેવાપાત્ર તથા અન્ય તમામ (Preparing technical documents) કાર્યવાહી PMC/TPI ના સંકલન માં રહી હાથ ધરવાની રહેશે.

ઇજારદારની સહી.....

બાંધકામ- ૫૦૦૦-૪૨૦૦૧-એ/૮૪
વડોદરા મહાનગર પાલિકા
(બાંધકામ)

*શરતો *

૧. ટેન્ડર રજીસ્ટર પોસ્ટથી મેમોરેન્ડમ ઓફ વર્કમાં દર્શાવ્યા તારીખ સુધીમાં મોકલવાની રહેશે.

૨. ઇજારદારે ભરેલા ટેન્ડરની દરેક આઇટમનો જુદો સરવાળો તેમજ બધી જ આઇટમોનો સરવાળો આંકડા અને શબ્દોમાં અચુક જણાવવા.

૩. દરેક આઇટમના ભાવ,શબ્દ અને આંકડામાં બંનેમાં જણાવવા.

૪. ટેન્ડર ભરતી વખતે સીલબંધ કવર ઉપર કામનુ નામ પુરેપુરુ જણાવવુ.

૫. ડીમાન્ડ ડ્રાફટ સામેલ છે તેમ દર્શાવી ડીમાન્ડ ડ્રાફટની વિગત આપવી.

૬. ટેન્ડર ભરવામાં બોલપેનનો ઉપયોગ કરવાની મનાઇ છે. આ સુચનાનુ ઉલ્લંઘન કરવામાં આવે તો ટેન્ડર ના મંજુર કરવાનો અધીકાર મહાનગર પાલિકાનો છે.

૭.અનિવાર્ય સંજોગોમાં રજીસ્ટર પોસ્ટથી રજુ કરેલ ટેન્ડર સ્વીકારવાનો ઉપર દર્શાવેલ તારીખ અને સમય ૧૬-૦૦ કલાકનો છે તેપહેલા ટેન્ડરપત્ર મળી શકશે તો જ ટેન્ડર સ્વીકારવામાં આવશે પોસ્ટથી નીયત સમય પછીનો ટેન્ડર સ્વીકારવામાં આવશે નહી. અને તેની જવાબદારી મહાનગર પાલિકાની રહેતી નથી.

૮.બાનાની રકમ ડીમાન્ડ ડ્રાફટથી સ્વીકારવામાં આવશે. રોકડા ફીકસ ડીપોઝીટ બાજુના સ્વરૂપમાં સ્વીકારવામાં આવશે નહી. **(Kindly refer SBD Clause 8/8.1) માં આપેલ સુચના મુજબ જ**

૯.રજીસ્ટર પોસ્ટથી ટેન્ડરના નીચેના સરનામે મોકલવુ.

કાર્યપાલક ઇજનેરશ્રી

બિલ્ડીંગ પ્રોજેક્ટ શાખા

વડોદરા મહાનગરપાલિકા

ખંડેરાવ માર્કેટ બિલ્ડીંગ

વડોદરા-૩૯૦૨૦૯

કાર્યપાલક ઇજનેર ઇજારદારની સહી.
(બિલ્ડીંગ પ્રોજેક્ટ શાખા)

વડોદરા મહાનગરપાલિકા

કામનું નામ: AS PER NIT.

શાખા: બિલ્ડીંગ પ્રોજેક્ટ શાખા

પર્સન્ટેજ ભાવપત્ર

ભાવપત્રભરનારનુ નામ: હું/અમે લખેલ કામ આંકડામા. ટકા શબ્દોમાં અંદાજપત્રકમાં દાખલ કરેલા ભાવ કરતાં ઓછા/ વધુ ભાવ ભરવા ખુશી છુ/છીએ

કામનુ વર્ણન

કામનો અનુક્રમ નંબર	કામનુ નામ	અંદાજપત્રકની રકમ દેખરેખ આકાર તથા અણધાર્યા ખર્ચની રકમ સિવાય	કામપુરુ કરવાની મુદત	નોટો રોકડ ઇત્યાદી રકમ બાનાની ભરેલી અનામત તરીકે તેની તપસીલ રકમ
૧.	AS PER NIT	AS PER NIT	24 months (Excluding Monsoon)	

જો સદરહુ ભાવપત્ર સ્વીકારવામા આવે તો હું/અમો ઉપરોકત તથા સામેલ રાખેલી કરારની તમામ શરતો પ્રમાણુવર્તવાબંધાઉછુ /છીએ અને તે પ્રમાણે વર્તવામાં ચુકીએ તો શિક્ષા તરીકે કરારમાં જણાવેલી રકમ અગર દંડ વડોદરા મહાનગરપાલીકામાં ભરીશું આ સાથે અનામતરૂ. AS PER NIT

/- રકમ મોકલી છે.

અગર બીલમાંથી ૧૦ ટકા કપાત કરવા ન દઇએ તો મારી માંગણી મંજુર થયે સોબતના કરારની કલમ-૧ પ્રમાણે વડોદરા મહાનગરપાલિકા જપ્ત કરી પાકે ખાતે જમા કરે તે મને /અમોને કબૂલમંજુર છે.

તા. / /૨૦૨

ભાવપત્રભરનારની સહી.....

સરનામુ.....

સદરહુંભાવપત્રક વડોદરા વડોદરા મહાનગરપાલિકા વતી મંજુર.

તા.- / /૨૦૨૬

મંજુર કરનાર અધિકારીની સહી

METHOD OF SUBMISSION OF TENDER

NAME OF Work: AS PER NIT

The contractor is to submit the tender in the following separate sealed covers:

Volume-I Part-A:

i. The Demand Draft for Tender fee in original.

ii. **Earnest Money in the form of irrevocable DD in original which will remain in force up to and including the date 120 days + 45 days = 165 days after the dead line for submission of tenders.**

iii. Bank solvency certificate **(20% of project cost not older than 1 year from the date of submission of tender).**

Volume-I Part-B:

Technical Bid containing all the documents in formation as detailed in list of P.Q. Documents required to be submitted and Eligibility Criteria, Technical proposal shall be submitted by the Tenderer in Part- "A".

Volume-II: Financial Bid to be submitted online only (N-procure)

Thecontractorshouldensurethattherate/costquotedshouldappearonlyinthe financial bid and nowhere else.

The Volume-I Part- 'A' and 'B' shall be opened online on aspecified date and time as per schedule in the office of The Executive Engineer (Building Project Dept.) Vadodara Municipal Corporation, Khanderao Market Building, Rajmahal Road Vadodara–390209Gujarat, in the presence of intending Tenderer or their authorized representatives.

The Volume-II Financial Bid of only those contractors whose technical bids are found acceptable by the department shall be opened online. The time and date of opening of financial bid of contractors qualifying the technical bid shall be communicated to them later on.

CHAPTER-III

ELIGIBILTY CRITERIA:

GENERAL

Qualification will be based on following minimum pass/fail criteria regarding the bidders general and particular experience, personal and equipment capabilities, and financial position, as demonstrated by the bidder's responses in the form attached. The bidder should be registered Contractors in appropriate class with VMC, Central/ State/ PWD/ MES/Govt./ Semi Govt. or with other such Institutions & who have a certificate of registration with Employees Provident Fund Organization. The VMC reserves the right of waive minor deviations, if they do not materially affect the capability of a bidder to perform the contract. Subcontractor's experience and resources shall not take into account in determining the bidder's compliance with the qualifying criteria.

QUALIFICATION EXPERIENCE/EXPERIENCE OF APPLICANT:

The bidder shall meet the following minimum criteria to qualify for this Tender and Submit Attested copies of scope of work and completion certificates issued by competent authority as per Form 3A

To qualify in the Experience Criteria Registered Contractors in **"B" class and above Special category building-II** with VMC or Equivalent Amount of registration of contractor with Central/ State/ PWD/ MES/Govt./ Semi Govt. or with other such Institutions & who have a certificate of registration with Employees Provident Fund Organization

1. Average Annual Financial Turnover during the last ~~3 Financial years, ending 31st March of the previous financial year, should be atleast 30% of the estimated cost i.e.~~ **~~Rs. 9,33,87,993/~~** - REFER SBD and SUBMIT ACCORDINGLY.

ડોક્યુમેન્ટ & Similar work Experience are as per (Kindly refer SBD Clause 8/8.1) માં આપેલ સુચના મુજબ જ Further, Similar works mean the bidders shall have experience in execution of Construction of public building, corporate office building, administrative offices, theatres, multiplexes, auditorium, school building (low rise), hospital (low rise), community hall, sports complex, aanganwadi, schools of Sarva Shiksha Abhiyan, etc in any city in India works similar having updated final satisfactory completion cost as per Form C.

Note: For arriving at the cost of work done, if incase of any earlier experience involving Joint venture, the cost of work done shall be equal to only the percentage (%) of share in Joint Venture of that particular work. However present status of bidder as joint venture is not allowed.

FINANCIAL POSITION

The bidder should demonstrate that he has access to or has available, liquid assets, unencumbered real assets, line of credit, and other financial means sufficient to meet the cash flow for a period of two months.

The audited balance sheets for the **Last three Financial Years** should be submitted and must demonstrate the soundness of the bidder's financial position, showing long- term profitability. Where necessary, the employer will make enquiries with the bidder's bankers.

~~2. To qualify for this tender, bidder must have Average annual turnover for the **last 3 years is equal to 30% of Estimated Amount i.e. Rs** 9,33,87,993/-~~ - Kindly REFER SBD and SUBMIT ACCORDINGLY

SOLVENCY CERTIFICATE

The Tenderer shall produce along with their tender a solvency certificate of an amount equal to **20 %**of amount of the estimated cost **(i.e. Rs.** 51,93,878**/-)** from the collector of the district within which he resides or a Banker's certificate. This certificate shall be enclosed with Prequalification documents.

LITIGATION HISTORY

The bidder should provide accurate information on any litigation and/or arbitration resulting from contracts completed or under execution by him over the last Seven years. A consistent history of arbitration awards/judgments against the Applicant or any partner of a joint venture may result in disqualification for proposed work. If the details of Litigation History is hidden by the applicant and later on it comes to knowledge of the employer the bidder shall be disqualified for the proposed workand other appropriate actions shall be taken against the bidder. And if it has come to Knowledge of VMC after assigning of work, it will be treated as breach of tender and any or all action can be taken against contractor.

PERSONNEL

The bidder must have suitably qualified personnel, to fill the following position. The Bidder will supply information on a prime candidate and an alternate for each position, both of whom should meet the experience requirements specified below for work involved.

Sr. No.	Position, Nos.	Total Experience in year	Experience in similar Works
1	Project Manager–1No	10	1
2	Sr.Civil Engineer–1 No	8	1
3	Jr. Civil Engineer–1No	5	2
4	Site Supervisior-2Nos	3	2
5	Sr. Engineer (Mech.)-1No	2	1
6	Sr. Engineer (Ele.)-1 No	2	1

7.	Social Coordinator Bsw/Msw Social worker	5	1
8.	Safety Engineer	5	1

Note:

(1) At least one Sr. Civil Engineer (Civil graduate (B.E./ B.Tech), One Jr. civil Engineers (B.E./ B.Tech) and One Site Supervisor (Diploma) shall be deputed exclusively for this work on site and at least one Sr. Mech And Sr. Elect And one Sr.Water Works engineer during execution of Ele/Mech/water retaining str. items are in progress and or as per need on site or instructed by EIC.

MACHINERY/EQUIPMENT

The Bidder should own, or have assured access to (through hire, lease, purchase agreement, availability of manufacturing capacity or other means) the following key items of equipment in full working order, and must demonstrate that, based on known commitments, they will be available for use in the proposed contract. The Bidder may also list alternative equipment, which he would propose for the Contract together with an explanation of the proposal. Bidder shall have to assure availability of machinery/ equipment's in working condition as per below Table. If bidder fails to provide proof of assured availability of required machinery. He will be disqualified for the proposed work. Machinery ownership document or lease/hire agreement for the work under tender shall be considered as valid proof for assured availability.

Equipment type and Characteristics	Minimum number required for work in each Segment
1) Weigh Batcher with Mixer	1No.
2) Vibrator	2Nos. Minimum
3) DG Set	1Nos.
4)Required Scaffolding, HFrameetc	3000 Sq.mt. (Min.)
5) Form Work	800 Sq.mt.
6) Welding Machine with welding & Earthling Cables & Holders.	3Nos.
7) Workers Safety Equipments like Welding Helmet, Welding Glows, Safety Helmet, Safety Shoes etc.	Welding Helmet–5nos. Welding Glows–10nos. Safety Helmet – 50 nos. Safety Shoes-50 nos.
8)Gas Cutting Set	3Nos.
9)All tools & Tackles requiredfor Construction	2Sets.

10)Testing Machine	2Sets.
11)First Aid Kit	5No.
12)Cube Testing Machine	Asper requirement on Site
13)Concrete Mixer Machine	1No.
14)Excavator	2Nos.
15)Tractor	5Nos.
16)Dumper	5Nos.
17)Dozer	1No.
18)Dewatering mud pump	1No.–10HPeach
19)Paver block Vibrator	8-12tonne capacity–2No.

EVALUATION FACTORS

The bidders qualifying the initial criteria as set out above will be evaluated for the following criteria by scoring method on the basis of details furnished by them.

For Eligibility Criteria following escalation factors shall be applied to annual turnover and completion cost of work to bring them to the base year. The current financial year in which bid is invited shall be considered as base year.

Year	**Financial Year**	**Multiplying factor**
Base year of inviting tender	**2026-2027**	1.00
-1	**2025-2026**	1.10
-2	**2024-2025**	1.21
-3	**2023-2024**	1.33
-4	**2022-2023**	1.46
-5	**2021-2022**	1.61
-6	**2020-2021**	1.77
-7	**2019-2020**	1.95

Note:- The Applicant should indicate actual figures of project costs amount in the schedule without accounting for the abovementioned factor

The said details to be submitted on prescribed forms appended with tender documents, detailed as under Chapter V:

(i) Financial information	FormA
(ii)Form of banker's certificate from approved bank	FormB
(iii)Details of work completed during last 7 consecutive years	FormC
(iv)Details of work awarded or under execution	FormD

(v)Performance report of works referred in formC-I, C-II&Dshould be duly authenticated/certified by an officer not below the rank of EE or equivalent should be furnished separately for each work completed or inprogress	FormE

(vi)Details of structure and organization	FormF
(vii)Details of independent technical staff are to be proposed for this contract	FormG
(viii)Details of construction Plants, equipment etc. likely to be used in carrying out this work.	FormH
(ix)Litigation Details	FormI
(x)Site Visit certificate	FormJ

The department t, however, reserves the right to restrict the list of such qualified contractors to any number deemed suitable by it.

SCOPE OF WORK

- Scope of work contained in the paragraphs mentioned below is only indicative and not exhaustive. In addition, the contractor shall be responsible for executing all items required for completing this office building development in all respect to make the serviceable including all infrastructure, services roads, pathways etc. complete as per direction of Engineer-in-charge.
- **CONSTRUCTION OF NEW 16 AANGANWADIS AT VARIOUS PLACES IN EAST ZONE AND WEST ZONE**:
- With all material and labour for Civil/plumbing, Interior.
- Civil work includes Plot Development like Plot Filling, Underground Sump with, Bore well, O.H.Tank, Landscaping, Structural Steel Work, Compound Wall with gates & Parking with Paver Block, Toilet, water proofing, china mosaic, Upvc window, flooring, Parking area with paver blocks, water supply, sewerage, storm water disposal, rain water harvesting, cleaning, demarcation and barricading around the plots (3mt to 4.5 mt ht), etc. All areas with miscellaneous finishing items. Exterior finishing work as per architect drawing and engineer incharge, Development of Parking, All electrical & mechanical and internal as well as external work including labour and material.
  - Construction includes finishing of development complete as per specifications and all basic architectural/working drawings provided by VMC for various branches work.
  - For the project, all the necessary approval and permission is to be taken by the bidder at his own expenses. The contractor has to take construction permission, plinth check, completion certificate, occupation certificate, high rise building permission, water supply, drainage, Airport authority (if applicable), Environment Department (if applicable), electrical services, lift license, all type of NOCs (including fire NOC) and permissions (if applicable) by their own cost. No extra payment shall be paid to the contractor. All architectural drawings (soft copy & hard copy) and documents will be provided by VMC/PMC for all the permissions and NOCs if required.
  - Please note: Administrative support for file process for the inter-departmental approvals will be provided by VMC/PMC. No extra payment shall be paid to the Bidder for above permissions
    - Demolition of Existing structure if any along with the site cleaning work shall be

done by agency. Even dewatering of any kind and at any stage of work shall be done by contractor at their own cost. No extra payment shall be given to agency.

- The contractor shall establish sufficient no of TBMs and PBMs at suitable locations i.e. permanent structures like electrical poles etc, which can be used for checking the Invert Levels of the pipes/channel during the execution.
- Bore Wells Must be provided by agency at their own cost and hand over borewells to VMC in working condition including all civil and electrical assessories including electrical Motor as per EIC, etc with 5 years warranty after possession/HOTO.
- Water and Electricity for construction and testing for all material and items involved in work shall be arranged by the Contractor at their own cost and informed to VMC in advance.

- Testing shall be done by collecting samples from site by testing laboratory at cost of contractor.
- Contractor shall provide exclusive office at site for VMC and PMC staff of 200 sq.ft. with air conditioning and computer, internet facilities, as per the instruction of EIC – if required.
- Contractor must provide a good air-conditioner four-wheel vehicle with fuel for site inspection purpose and other work-related visits after work start with provide driver with salary & pay rto passing, at complete free of cost, all taxes, insurance as per directed by vmc, vehicle will run kms about as directed by vmc per/month including holiday, Sundays covering contract period.
- If there is an existing structure becoming impediment in the alignment, then it will be necessary to demolish and shift it from the original alignment to the safe place. Also, all type of demolition and site cleaning work shall be done at their own cost and no extra payment shall be done to agency for it.
- Agency shall carry out topography survey by total station survey at his own cost for the site area allotted on award of work and at any time during execution of work to get all the necessary detail as and when required as per requirement of VMC/PMC.
- If it is necessary to divert the traffic, at construction site, it shall be done by all taking proper precaution and safety measures (Including Traffic Signage).
- No material shall be stacked on road.
- Any damage to the existing structures /private structures during execution shall be repaired or reconstructed as it is by the contractor and no extra payment shall be done for the same.
- All the materials to be used in the execution are to be tested as per relevant latest specifications and also as per requirement of VMC / PMC / TPI.
- ~~Set of soft copy and Six set of Color hard copies of AS-BUILT coloured drawings (approved) in a minimum A0 size & format acceptable by VMC / PMC / TPI shall be submitted by the contractor to all the agencies (VMC, PMC, TPI). Final bill shall be cleared only after the submission of As- built drawings in soft as well as hard copies (6 Sets). Until and unless required and asked for by the Engineer in charge,~~

~~night work shall not be permitted. Any works done without informing all of the three (VMC, PMC, TPI) and without their presence shall not be c~~

- Onsite valid Photographs shall be submitted by the contractor for neatly to monitor the progress of work.
- All Permission Related to traffic police/ Commercial Vehicle mobility in scope of agency.
- Contractor shall obtain approval from competent authority for RMC plant if required. Site Mixing shall not be permitted for concreting more than 5 Cum.
- The bidder has to carry out maintenance/service through authorised service provider of the equipment for the followings up to 5 (Five) years period from the certified date of completion. The bidder has to submit contract agreement between service provider and bidder before submitting the completion certificates and it is mandatory. The bidder has to submit every year an annual performance report till completion of maintenance period.

~~1. Lift (AMC)~~
~~2. Fire fighting system equipment and infrastructure (Pipes, Valves and Motor/pump/DG set etc.)~~
3. Bore wells (Motor/Pump/Panel) – pumping machinaries
4. Submersible pumps with 1 stand by pump
~~5. DG set~~
~~6. Roof top solar panel (has to take care of cleaning and power generation)~~

- Before the date of completion, the Bidder shall provide 5 years guarantee bond for water proofing and Anti termite treatment for the plinths, toilets sunks (if any) whole building and Terrace.

Following instruction are also considered while understanding the scope of work:

1. The size, levels and quantities shown in the Design Sheet are preliminary and can change during execution (after the pre-execution survey by the Contractor)
2. Existing Utilities: VMC is not having any ready data on the existing utilities likely to meet during the excavation and laying of pipelines / construction of channel. The shifting of Telephone / Electric Pole shall be arranged by Agency & no any extra cost & debit not payable from client for it & it is in scope of agency.
3. Consultant may be appointed by VMC for the Project Monitoring and Supervision. VMC has also appointed TPI and or any other agency deem fit for the third-party inspection of the project. Any tests recommended by Consultant or TPI during the execution of this contract shall be conducted by the contractor in the laboratory acceptable to VMC/PMC/TPI without any extra cost to VMC. The charges of testing and inspection charges (TPI) of any material or of any type shall be borne by the contractor. The cost shall also include testing done outside Vadodara
4. For bidder must be provide all concern authorities/agency/mou Agencies /registration & License authorities & etc. contact person official email-id & contact to verify license, form 3A & all other respected document& etc.
5. Agency will be responsible for all legal & illegal activities with respect to (Site/and any all other with immediate effect of Work Order) Vadodara jurisdiction after work order & vmc will not be liable to any matters with respect to direct to indirect.

Signature of Tenderer (s) with the seal of the firm.

DECLARATION FORM/ UNDERTAKING

1. I/We agree that the decision of the VMC in selection of the applicants / contractors, phasing of works at any time in thus related matter, will be final and bidding to me/us.

2. All the information and date finished herewith are correct to my / our best of knowledge.

3. I/We agree that we have no objection if inquiry are made about our works and document submited, its related areas and any other inquiry regarding all details, projects and works listed by us in the Tender document.

4. I/We also understand that finishing of wrong information or hiding any information shall be a cause for disqualification and VMC is free to take action as per law.

5. I/We accept VMC reserved the rights to reject any or all application / tenders without assigning any reasons.

Date: Signature with seal of the company

Name of Authorized Person

DECLARATION FORM

1) I / We hereby declare that I / We have visited the site and fully acquainted myself / ourselves with site where this project is to be executed, Local situation regarding materials, labor and other factors pertaining to successful completion of the project work before submitting this tender.
2) I / We hereby declare that I / We have carefully studied the conditions of contract; specifications and other documents of this work and agree to execute the same accordingly.
3) (a)I/We certify that /WE am /are partner(s) not blacklisted or connected with firm blacklisted in state, semi govt, Municipal Corporation, or any government undertaking institute or any autonomous corporate bodies.
   (b)We, The partners of this firm hereby give an undertaking that we are jointly and severally responsible to meet all liabilities over and above the business of this firm and make good any the above losses including financial loss sustained by the Vadodara Municipal Corporation, Vadodara as a result of our abandoning the work or works, entrusted to us i.e. this firm /We herby undertake and submit in the bid along with supporting documents, are true which are correct and valid throughout the contract period as well extended period of any.
4) I/We hereby agree to abide by and full fill the terms and provisions of conditions of contract annexed here to so far as applicable and in default there of to forfeit the earnest money mentioned in the said condition.

A. Receipt No. _____dated _____from the _____ _____
B. Signature of Contractor (Before Submission of tender)
C. Name of the Tenderer:_____
D. Address_____
E. Dated the _____day of _____2026
F. (Witness)_____
G. (Address)_____
H. (Occupation)_____

Date: Signature with seal of the company
Name of Authorized Person

પી.એફ.રજીસ્ટ્રેશન અંગેનુ બાંહેધરીપત્ર

૧ઇજારદારનુ નામ :

૨સરનામુ :

૩.રજીસ્ટ્રેશનવર્ગ:

૪.ખાતાનુનામ:

૫.કામનુનામ:

૬.ટેન્ડરનીરકમ :

આથી હું ઇજારદાર--.....બાંહેધરી આપુ છું કે વડોદરા મહાનગરપાલિકામાં હું ઇજારદાર તરીકે કામ કરુ છુ/કરવા માંગુ છં. હાલ મને પી.એફ એકટ ની જોગવાઇ અનુસાર પી.એફ રજીસ્ટ્રેશનની જરુર ન હોઇ હાલ મને તે લાગુ પડતુ નથી. મહાનગરપાલિકા સાથેના મારા રજીસ્ટ્રેશનના સમયગાળા દરમ્યાન અગર તે રજીસ્ટ્રેશન હેઠળ મેળવેલ ટેન્ડરની કામગીરી પૂર્ણ થવાના સમયગાળા દરમ્યાન EPF એકટમાં ન મુદ કરેલ રજીસ્ટ્રેશનની નિદિષ્ટ સંખ્યા કરતાં ઓછું માનવબળ રાખવાના છે અને જો તે સંખ્યા વધશે તો EPF કરાવી લેવામા આવશે અને તેની નકલ વડોદરા મહાનગરપાલિકાને આપવામાં આવશે તેમ છતાં EPF એકટ અન્વયેની કોઇપણ જવાબદારી ઉભી થશે તો તેની સઘળી જવાબદારી હમારી રહેશે તેની અમો બાંહેધરી આપીએ છીએ.

ઇજારદારનીસહી. ----------

VADODARA MUNICIPAL CORPORATION

GENERAL INSTRUCTION TO TENDERER

1. The Tenderer are advised to inspect the site of works and be fully acquainted with the site conditions which may be necessary for the purpose of submitting the tender and for executing the work. If requested in advance and in writing department will arrange to visit the site of work.
2. In the event of the tender being submitted by the firm, it must be signed by all the partners or by any partner who has been specifically authorize under the Partnership deed to sign and execute contracts on behalf of the firm or by any person holding a Power of Attorney authorized him to sign and execute the contract on behalf of the firm.[The legally Authority letter is required to be enclosed along with the Tender].
3. Receipts for payments made on account of any work, when executed by a firm, can be signed by any of the partners of the firm or any other person authorized by the firm under a Power of Attorney of give effectual receipt for and on behalf of the firm.
4. The tender shall be filled in strictly according to columns prescribed in the tender stating the rates at which Tenderer are willing to undertake each time of work. Any modifications or additions in the item of works or in any other part of the tender made by the Tenderer will not be accepted.
5. The VMC shall have the right to reject all or any of the tenders without assigning any reason for such rejection.
6. Measurements for all the works shall be taken by standard measures available with the VMC and practice and rules framed by the VMC from time to time.

7. The Tenderer are required to quote only firm rates and any condition attached to the rates quoted by them is likely to disqualify the tender for evaluation and consideration for award of the work.

8. The Tenderer are advised to send their tender only by Registered / Speed post so that tender reaches to VMC on or before the due date. Any tender received after due date shall not be considered.

9. Tender not accompanied by Earnest Money in the manner provided in the tender notice shall not be considered. Amount of earnest money shall not bear any interest and will be refundable to the Tenderer, if tender is not accepted.

10. Tender shall be filled in and signed only by the duly authorized person or persons of the Tenderer. If at any item during security and finalization of the tenders, it is found that any tender or tenders are signed by the persons who are not duly authorized then the earnest money received with such tender shall stand forfeited.

11. Tenderer shall have to pay Security Deposit in the time and manner prescribed under Clause 1 of the General Conditions of Contract.

12. Successful Tenderer shall keep all documents ready for signing "Agreement with the VMC". Tenderer will have to make himself/itself available at fifteen days notice for executing such Agreement. The Tenderer are advised to carefully study the various conditions of the contract, work specification, site conditions, VMC's rules and regulations with regards to safety and security, etc.

13. The prices in tender shall be filled in English with neat handwriting and all the figures and words shall be legible. No overwriting shall be done. In case any cancellation or correction is required, the figure or word shall be wholly crossed and re-written and authenticated under with initial/s of the Tenderer. Rate shall be written for each item and the total amount for each item shall be properly calculated and clearly mentioned in the relevant columns. All such amounts shall be signed by the Tenderer.

14. Tenderer shall submit along with the tender a list of equipment which he proposes to use for this work.

15. Tendered rates shall include any tender work at all level all stage all floor with all material, labour, all taxes and requirements of plants, machinery, equipment, supervision, handling, cleaning, testing etc. (whether mentioned in the item or specifications etc. or not) which is required and necessary to complete the item. All wastages of material shall be to the contractor's account, variation of taxes, duties, levies are born by Contractor through up to DLB and maintenance period. No extra claim at this account will any case be entertained.

16. The Tenderer are advised to read together with the specifications including materials and drawings, as specifications are complimentary part of the item. Itemsforwhichdetailsarenotgivenoraregiveninadequatelyreferencewillbe taken from IS specifications or MORTH or PWD hand book. Such details shall be deemed to have been included in the item and the rates quoted shall be all inclusive. Whether mentioned in the item or not material test as may be required by the Add. City Engineer of VMC shall be provided and no extra payment will be made for that purpose.

17. Specifications are given for certain numbers of items only. However, the items for which the specifications are not prescribed but which are relevant to these specifications shall also be executed in accordance with such specifications.

18. Suitable number of photographs and negatives shall be supplied free of cost to the VMC every month for the progress of various stages of the works.

19. Tenders are required to quote separate prices of different items of work exactly as per price schedule given in volume of tender document. No change in format is acceptable. Quoting for all items is also mandatory.

20. Validity of Tenderer's proposal shall be120 days + 45days= 165from the date of opening of price bid or last negotiation date if at all allowed.

21. **ALL PAGES TO BE INITIALED**

All signature in Tender documents shall be dated as well as pages of all sections of Tender documents shall be initialed at the lower right-hand corner or signed wherever required in the Tender papers by the Tenderer or by any person holding power of Attorney authorizing him to sign on behalf of the Tenderer before submission of Tender.

23. **EVALUATION OF TENDER'S PRICE BID**

Any error in quantity or amount in Price bid of tender form showing items of works to be carried out shall be adjusted in accordance with the following rules:

i) In the event of a discrepancy between description in words and figures quoted by a Tenderer in the rates column, the description in word shall prevail.

ii) In the event of an error occurring in the amount column of the Schedule B of Tender Form showing items of work as are Sult of wrong multiplication of the rate and quantity, the unit shall be regarded, as firm and multiplication shall be amended on the rate.

iii) All errors in totally in the amount and carrying forward totals shall be corrected.

iv) Any rounding off of amounts against items or in totals shall be ignored.

v) For any item in price bid, the bidder has not quoted the rates (or left blank), it is treated as 'zero rate' and all such item shall be considered as executed free of cost.

The tendered sum so altered shall, for the purpose of the tenders be submitted for the sum originally tendered and considered for acceptance.

24. **CORRECTIONS AND ERASURES**

All corrections and Alterations in the entries of tender papers will be signed in full by the Tenderer with date. No erasures or over writings are permissible. Other wise, it will be disqualified.

25. **SIGNATURE OF TENDERER**

The Tenderer shall contain the name, residence and place of business of person or persons making the Tender and shall be signed by the Tenderer with his usual signature. Partnership firms shall furnish the full names of all the partners in the Tender. It should be signed in the Partnership's name by all partners or, by duly authorized representative followed by the name and designation of the person signing. Tender by a firm shall be signed by an authorized representatives and a power of Attorney in that behalf shall accompany, the Tender. A copy of the constitution of the firm with names of all partners shall be furnished.

26. **WITNESS**

Witness and sureties shall be persons of status and property and their names, occupations and address shall be stated below their signature.

27. **DETAILS OF EXPERIENCE**

The Tenderer should enclose documents to show that he has previous experience in having successfully completed in the recent past work of this nature together with the name of Owner's location of sites and value of contract.

28. **ENGINEER OF CONTRACTOR**

The contractor, on or after a ward of the work, shall amended put a qualified Engineer having sufficient experience in carrying out works of similar nature, to whom the equipment, materials, if any shall be issued and instructions for construction/execution shall be given.

29. **TRANSFER OF TENDER DOCUMENTS**

Transfer of Tender documents purchased by one in tending Tenderer to another is not permissible.

30. **EARNEST MONEY DEPOSIT**

The Tenderer must pay earnest money as given in the notice inviting Tenders and attach the official receipt, if paid in cash with the Tender, failing which the tender is liable to be rejected. The earnest money can be paid in the form of or Demand draft of any Scheduled Bank at Vadodara and shall be in favor of Municipal Commissioner, Khanderao Market, Vadodara. EMD shall be attached with the Tender.

NOTE: Nointerest shall be allowed on the earnest money deposit by Tenderer. The earnest money of the unsuccessful tender will be refundable within a reasonable period of the time without any interest.

The earnest money deposit by successful Tenderer will be retained to wards the Security Deposit for the fulfillment of the contract, but shall be forfeited, if the Tenderer fails to execute the agreement within 15 days after the letter of acceptance of Tender.

31. **VALIDITY**

Tenders submitted by Tenderer shall remain valid for acceptance for a period of 120 +45days=165daysdays from the date of opening of price bid or last negotiation date if at all allowed. Any of the Tenderer shall not be entitled during the said period of 165 days, without the consent of writing of the owner to revoke or cancel his tender or to vary the tender given or any terms thereof. In case of Tenderer revoking or canceling his tender of revoking the same or vary any terms in regard to there of without the consent of owner in writing, the owner shall forfeit earnest money paid by him along with the Tender.

32. **TIME LIMIT–PERIOD OF COMPLETION**

The period of completion shall be calculated from the date of issue of any notice to proceed with the work i.e. issue of work order. Any extension of time limit demanded by contractor for their reason, shall not entitle for any price Variation/price escalation/Price adjustment/delay compensation or liquidity damages.

33. **ADDENDA**

Addenda to the Tender documents maybe issued prior to the date of opening of Tenders to clarify documents or to reflect modifications in the design or contract terms.

Each addendum issued by the Engineer in charge will be distributed induplicate to each person or organization to whom a set of Tender documents has been issued.

Each recipient will retain one copy of each addendum for submission along with his tender and return one singed copy to the Engineer-in-charge shall become part of Tender documents.

34. **RIGHT OF OWNER TO ACCEPT OR REJECT TENDER**

The acceptance of Tender will rest with the Owner. The Owner however, does not bind itself to accept the lowest tender and reserves to itself the authority to reject any or all the Tenders received without assigning any reason whatsoever. The whole work may be split up between two or more contractors or accepted in part and not entirely, if considered expedient.

Tenderinwhichanyoftheparticularsandprescribedinformation'saremissing or are incomplete in any respect and/or the prescribed conditions are not fulfilled are liable to be rejected.

Canvassing in connection with tender is strictly prohibited and tenders submitted by the Tenderer, who resort to canvassing will be liable to rejection.

35. **Security Deposit**

The person / persons whose tender may be accepted (hereafter called the contractor) shall within 10 days of receipt by him of the notification of the acceptance of the tender or issuance of work order, shall submit the security deposit on the accepted value of the Tender to the Vadodara Municipal Corporation.

36 The successful Tender shall be required to execute an agreement 10 days from the date of issue of the notice of acceptance of tender. In the event of failure on the part of the successful Tenderer to sign the agreement within the above stipulated period, the earnest money or his initial security deposit shall be forfeited and the acceptance of the tender shall be considered as cancelled.

37 In the event of progress of work by the contractor, without executing the contract agreement, the responsibility with all risk and cost shall be of contractor.

38 The successful Tenderer will be required to sign the contract agreement on a stamp paper of the value as per prevailing norms of VMC. Alter natively, if the Tenderer wishes to sign the agreement, the same be adjudicated by the State Level Authority competent to do so.

39 It is responsibility of Tenderer to get authorized copy of tender documents, map etc so that during the time of execution of work contractor can proceed with work and all time the details of work is known to the contractor.

40 The bidder shall have to submit resource/activity Bar chart with milestone of whole work divided in minimum 10 activities justifying the timely completion of work. In case the bidder do not submit the schedule of work progress, it is

mandatory to follow the progress of work as decided by VMC during execution.

Signature of Contractor

Date

Executive Engineer
Building project
Vadodara Municipal Corporation

VADODARA MUNICIPAL CORPORATION

General Conditions of Contract

DEFINITION OF TERMS: -

In the Contract documents as hereinafter defined the following words & expression shall have the meanings hereby assigned to them except where the context otherwise requires: -

1. **"The Owner or Employer",** means the Municipal Commissioner Vadodara Municipal Corporation, Vadodara which may abbreviated as "VMC" and includes the Owner's or Municipal Commissioner, VMC's authorized representatives or successors/Executive engineer building project VMC.
2. The abbreviation VMC wherever used in contract shall mean Vadodara Municipal Corporation and term shall be used to in place of authorized person or persons who will be operating this contract as VMC's representative and will include namely Municipal Commissioner, Addl. City Engineer and Executive Engineer or their authorized representatives.
3. The **"Addl. City Engineer",** shall means the Addl. City Engineer building project of Vadodara Municipal Corporation and shall include those who are expressly authorized by him to act on his behalf.
4. The **"Executive Engineer"**, shall means the Executive Engineer of Vadodara Municipal Corporation, who is in charge of the project and shall include those who are expressly authorized him to act for and on his behalf.
5. The **"Engineer in charge"**, shall means the Deputy Executive Engineer of Vadodara Municipal Corporation, who is in charge of the project and shall include those who are expressly authorized him to act for and on his behalf.

   "The Contractor", means the person or persons, firm or Company whose tender has been accepted by the Owner and include the Contractor's legal representatives, his successor and permitted assignees.
6. The term **"Work or Works"** of the contract shall mean all of the various classes of works to be executed in accordance with the contract, whether temporary or

permanent, and include all labor and material, machinery, instruments, construction equipment, plant, plant operation and maintenance, all tools and all other items required for the completion of the construction. It shall also mean the place of working, where the context so includes.

7. **"Contract"**, shall mean the Agreement between the VMC and the contractor for the execution of works including therein all contract documents like Condition of Contract, Specification, Drawings, Prices Bill, Schedule of quantities, Schedule of rates and prices (if any), work order and all tender.
8. The **"Contract Price"**, means the sum named in the Tender subject to such additional there to or deduction there from as may be under the provisions hereinafter the contained.
9. **"Construction Plant"**, means all machinery, tools, appliances or thing of whatsoever nature required for the execution, completion or maintenance of the works or temporary works (as hereinafter defined) but does not include materials or other things form or forming part to the permanent work.
10. **"Temporary Works"**, means all temporary works of every kind required in or about the execution, completion or maintenance of the works. The cost of such work associated with tender is included.
11. **"Drawings"**, means the drawings referred to in the Specification and any modification such drawings approved in writing by the Addl.City Engineer / Executive Engineer, Consultant and such other drawings, diagrams, or sketches as may from time to time be furnished or approved in writing by the Addl.City Engineer / Executive Engineer.
12. **"Site"**, means the land and other places on under in or through which the permanent works are to be executed or carried out & any other land or places provided by the Owner for purpose of the contract.
13. Words importing the singular number only also include the plural and vice versa where the context requires.
14. **"Contract Documents"**, means collectively the Tender documents, Designs, Drawings, Specifications agreed variations if any, contract such other documents constituting the Tender and acceptances thereof.
15. **"The Specification"**, shall mean the various technical specifications attached and referred to in the Tender documents. It shall also include the latest edition of relevant Indian Standard Specification published before entering into contract. Further in absence of any specific reference in I.S.S. the standards and

specifications of P.W.D.H.B. or GWSSB as the case may be will be followed as per the consent of Addl. City Engineer.

16. The **"Tender"**, means the tender submitted by the contractor for accept acnes the Owner.

17. The **"Alternation Order",** means the order given in writing by the Engineer-in-charge to effect to or deleting from and alternations in the works.

18. The **"Completion Certificates"**, shall mean the certificate to be issued by the Addl. City Engineer, when the works have been completed tohis satisfaction.

CLAUSE1: SECURITY DEPOSIT

Within10(Ten) days of receipt of Letter of Acceptance, the successful Bidder shall furnish to the Employer an irrevocable and unconditional guarantee from a Bank in the form set for the inSection8(the "Performance Security") for an amount equal to 5% (five percent) of its Contract Price. Incase of bids mentioned below, the successful Bidder, along with the Performance Security, Shall also furnish to the Authority an irrevocable and unconditional guarantee from a Bank in the same form given at Section8 to wardsan Additional Performance Security (The "Additional Performance Security") for an amount calculated as under:

(a) If the Contract Price of fered by the Selected Bidderislowerthan10% butupto20%of the Estimated Project Cost, then the Additional Performance Security shall be calculated@ 20%of the difference in the(i)Estimated Project Cost (as mentioned in Bid Document)- Minus 10% of the Estimated Project Cost and (ii) Contract Price offered by the selected Bidder.

(b) If the Contract Price offered by the Selected Bidder is lower than 20% of The Estimated Project Cost, then the Additional Performance Security shall be calculated@ 30% of the difference in the(i) Estimated Project Cost (as mentioned in Bid Document)- Minus 10% of the Estimated Project Cost and (ii)Contract Price offered by the selected Bidder.

(c) This Additional Performance Security shall be treated as part of the Performance Security.

- The Performance Security shall be valid beyond 60(sixty)days of the Defects Liability Period and the Additional Performance Security shall be valid beyond 28(twenty-eight) days of Project Completion Date.

- If the performance security is provided by the successful Bidder in the form of a Bank Guarantee, it shall be issued either(a)at the Bidder's option, by a Nationalized/Scheduled Indian bank or(b)by a foreign bank located in India and acceptable to the Employer. As per GoG Finance Department' Circular No FD/MSM/e-file/4/2023/0057/D.M.O. Date 21/04/2023orasper their latest amendment.

Failure of the successful Bidder to comply with the requirement of Sub-C shall constitute sufficient grounds for cancellation of the awarded for feature of the Bid Security.

CLAUSE2: COMPENSATION OF DELAY AND PENALTY

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 of which the order to commence work is given to the contractor. The work shall throughout 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 contract) and the contractor shall pay as compensation and or penalty for delay. Further contractor shall to ensure good progress during the execution of the work. The work shall be completed stage wise as per the schedule given at the time of tender submission (Refer qualification criteria) before award of the job to contractor, and which will form the part of the contract, failing which intermediate compensation shall be levied. In case contractor have not submitted it is confirmation the schedule of work progress, on part of contractor follow the schedule of work decided by VMC/Consultant.

AS per SBD Cl.49.

The decision of Addl. City Engineer will be final for all such delay compensation.

CLAUSE3: ACTION WHEN WHOLE OF SECURITY DEPOSIT IS FORFEITED

In any case in which under any clause of this contract, the contractor shall have rendered himself liable to pay compensation amounting to the whole of his Security Deposit (Whether paid in one sum or deducted by installment) or in the case of abandonment of the work owing to serious illness or death of the contractor or any other cause, the City Engineer, on behalf of VMC shall have power to adopt any of the following courses as man, deemed best suited to the interest of VMC

a) To rescinded the contract (of which recession notice in writing to the contractor under the hand of the executive shall be conclusive evidence) and in that case, the Security deposit of the contractor shall stand forfeited and be absolutely at the disposal of the VMC.

b) To employ labor paid the VMC and to supply materials to carry out the work, or any part of the works, debiting the contractor with the cost of the labor and price of materials as to the correctness of which cost and price the certificate of the City Engineer shall be final and conclusive against Contractor and crediting him with the value of the work done, in all respect in the manner and at the same rate as if it had been carried out by the contractor under the terms of this contract and in that case the certificates of the Executive Engineer as to the value of the work done 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, any expenses which may be incurred in excess of the sum which would have been executed by him (as to the amount of which expenses the certificate in writing of the Addl. City Engineer be final and conclusive) shall be borne and paid by the original contractor and shall be deducted from any money due to him by the VMC under the contractor or otherwise or from his security deposit or the

proceeds of sale thereof, of a sufficient part there of. In the event of any of the above courses being adopted by the Addl. City Engineer the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased, or prepared any materials, or entered into any engagements, or made any advances on account of or with a view to execution of the work or the performance of the contract.
And in case of the contract shall be rescinded under the provision aforesaid, 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 Executive Engineer shall have certified in writing the performance of such work and the amount payable to him in respect thereof and he shall only be entitled to be paid the amount so certified.

CLAUSE 4: ACTION WHEN THE PROGRESS OF ANY PARTICULAR PORTION OF THE WORK IS UNSATISFACTORY

If the progress of any particular portion of the work is unsatisfactory the Addl. City Engineer / Executive Engineer shall, not with standing that the general progress of the work is satisfactory in accordance with Clause 2, be entitled to take action under clause 3(b) after giving the contractor 10 days notice in writing and the contractor shall have no claim for compensation for any loss sustained by him owing to such action.

CLAUSE 5: CONTRACTOR REMAINS LIABLE TO PAY COMPENSATION, IF ACTION NOT TAKEN UNDER CLAUSE 3 POWER TO TAKE POSSESSION OF OR REQUIRE OF OR SELL CONTRACTOR PLANT AND MATERIAL

In any case in which any of powers conferred upon the Addl. City Engineer by Clause 3 and 4 hereof shall have become exercisable and the same not have been exercised, the non-exercise thereof and such powers shall not constitute a waiver of any of the conditions thereof and such powers shall not withstanding be exercisable in any future case of default by the contractor for which by any clause or clauses thereof heis 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 the Addl. City Engineer taking action under sub clause (a) or (c) of Clause 3, he may, if he so desires, take possessions of all or any tools, plant, materials and stores in upon the works or the site thereof of belonging to the contractor or procured by him and intended to be used for the execution of the work or any part there of paying or allowing for the same in the account of the contract rates or in the

case of contract rates not beings applicable at current market rates, to be certified by the Executive Engineer whose certificates there of shall be final. In the alternative the City Engineer may be notice in writing to the contractor of his works foreman or other authorized agent require him to remove such tools plants, materials or stores from his 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 City Engineer may remove the mat the contractor's expense or sell them by auction or private sale at the risk and cost of the contractor in all respect, and the certificate of the Executive Engineer as to the expense of any such removal, and the amount of the proceed sand expenses of any such sale shall be final and conclusive against the contractor.

CLAUSE6: FINAL CERTIFICATE

On completion of the work the contractor shall be furnished with a certificate by the Addl. City Engineer of such completion but no such certificate shall be given or 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 site or any rubies or such other parts, etc.

CLAUSE 7: PAYMENT ON INTERMEDIATE CERTIFICATE [RUNNING ACCOUNT] TO BE REGARDED AS ADVANCES

The Employer shall make advance payment (not to be paid less than two installments except in special circumstances for which the reason to be Recorded in writing) to the Contractor of the amounts stated in the Contract Date by the date stated in the Contract Date, against provision by the Contactor of an Unconditional Bank Guarantee in a for by a bank acceptable to the Employer in amount sand currencies sequel to be at least 110%of the advance payment. The guarantee shall remain effective until the advance payment has been repaid, but the amount of the guarantee shall be progressively reduced by the amounts repaid by the Contractor. The Mobilization advance would be deemed as interest bearing advance at an interest rate of 10% to be compounded, quarterly and a certificate of completion is given. But in the case of works estimated to the cost more than rupees 10% of the contract value the contractor shall on submitting a monthly bill the re fore, been titled to receive payment proportionate to the part of the work then approved and passed by the Consultant/the Executive Engineer whose certificate of such approval and passing of the sum so payable shall be final and conclusive against the contractor. All such intermediate payment, 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 Additional Cityengineer/Executive Engineer/Consultant from requiring bad, unsound, imperfect or unskilled work to be removed and taken away and reconstructed or re-erected, nor shall any such payments be considered

As an admission of the due performance of the contractor any part the redefine any respect or the accruing of any claim nor shall it conclude deter minor affecting any way the powers of the CITY ENGINEER/ADD.CITY ENGINEER as to the final settlement and adjust mint of the accounts or otherwise, Orin any way the power so the accounts or otherwise, or in any other way very or affect the contract.

Minimum RA bill shall be of 5% of project cost.

The final bill shall be submitted by the contractor within one month of the date fixed for the completion of the work, otherwise the Executive Engineer/Consultant certificate of the measurement and of total amount payable for the work shall be final and binding on all parties.

Rates of item spading running bills are for the purpose of advance payment only and may be revised [reduced or increased]in the final bill after final evaluation of the quantity of each item.

CLAUSE 8: PAYMENT OF REDUCED RATES ON ACCOUNT OF ITEMS OF WORKS NOT ACCEPTED AS COMPLETED TO BE AT THE DISCRETION OF THE EXECUTIVE ENGINEER

The rates for several items of works estimated to cost more than Rs. 1,000/- agreed to within, shall be valid only when the item concerned is accepted as having been completed fully in accordance with the sanctioned specifications. In cases where the items of work are not accepted as so completed the Executive Engineer may make payments on account of such items at such reduced rates as he may consider reasonable in the preparation of final or on account bills.

CLAUSE9: BILLS TO BE ON PRESCRIBED FORM

The contractor shall submit all bills in typed triplicate on the prescribed forms to Consultant / Engineer in charge.

The charges to be made in the bills shall always been tered at the rates specified in the tender or in the case of any extra work ordered in pursuance of these conditions, and not mentioned or provided for in the tender, at the rates herein after proved for such work.

CLAUSE 10: WORKS TO BE EXECUTED IN ACCORDANCE WITH SPECIFICATIONS, DRAWINGS, ORDERS, ETC

The contract shall execute the whole and every part of the work in the most substantial and workman like manner, and both as regards materials and in every other respect in strict accordance with the specifications. The contractor shall also confirm exactly full and faithfully to the designs, and instructions in writing relating to work signed by the Executive Engineer/ Consultant.

And lodge in his office and to which the contractor shall be entitled to have access for the purpose of inspection of such office or on the site of the work during the office

hours and the contractors shall if he so requires, be entitled at his own.

expenses to make or cause to be made copies of the specifications and of all such designs, drawings or instruction aforesaid.

CLAUSE 11: ALTERATIONS IN SPECIFICATIONS AND DESIGNS NOT TO BE INVALIDATE CONTRACTS. RATES FOR WOKS NOT ENTERED OR SCHEDULE RATE.

The Addl.City Engineer/Consultant shall have power to make any alteration in or addition to the original specifications, drawings 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 instruction in this connection which may be given to him in writing signed by the Addl. City Engineer/Executive Engineer/Consultant and such alteration shall not invalidate contract. 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 conditions in all respect on which he agreed to do the main work, and at the same rates as are specified in the tender for the main work. And if the additional and altered in the tender for the work, and if the additional and altered work includes any class of works for which no rate is specified in this contract, then such class of works shall be carried out at the rates entered in the Scheduled Rates or at the calculated rates whichever are lower. If the additional or altered work for which no rate is entered in the Schedule of Rates in ordered to be carried out before the rates are agreed upon then contractors shall within seven days of the date of receipt by him of the order to carry out the work, inform the Executive Engineer of the rate which he is intention to charge for such class of work, and to arrange to carry out in such manner as he may consider advisable provided always that if the contractor shall commence work or incurred any expenditure in regard there to before the rates shall have been determined as lastly here in before mentioned then in such cases, he shall only be entitled to be paid in respect of the work carried out or expenditure incurred by him prior to such date of the determination of the rate as aforesaid according to such rates as shall be fixed by Executive Engineer.

In the event of a dispute, the decision of the Addl. City Engineer/ Consultant will be final. Where however, the work is to be executed according the designs, drawings and specifications recommended by the contractor and accepted by VMC/ Consultant, the alteration above referred shall be within the scope of such design, drawings and specifications appended to the tender. The time limit for completion of works shall be extended in the proportion that the increase in cost occasioned by alterations or additions bears to the cost of the original contract work, and the certificate of the Executive Engineer as such proportion shall be conclusive

CLAUSE 12: NO COMPENSATION FOR ALTERATION OR RESTRICTION OF WORK.

If at any time after execution of the contract documents, the Addl. City Engineer/ Consultant shall, for any reason what so ever, require the whole or any part of the

work, as specified in the tender, to be stopped for any period or shall not require the whole or part of the work to be carried out at all or to be carried out by the contractor, he shall give notice in writing of the fact to the contractor, who shall there upon suspend or stop the work totally or partially, as the case may be.In any such case, except as provided here under, the contractor shall have no claim to any payment or compensation what so ever on account of any profit or advantage which he might have derived from the execution of the work in full but which he did not so derive in consequence of the full amount of the work not having been carried out, or on account of any loss that he may be put on account of materials purchased or agreed to be purchased, or for unemployment of labor recruited by him. He shall not have also any claim for compensation by reason of any alteration having been made in the original specifications, drawings, designs and instructions which may involve any curtailment of the work as originally contemplated. Where however, materials have already been purchased or agreed to be purchased by the contractor before receipt by him of the said notice, the contractor shall be paid for such materials at the rates determined by the Executive Engineer they are not in excess of requirements and are of approved quality and / or shall be compensated for the loss if any, that he may be put to, in respect of materials agreed to be purchased by him, the amount of such compensation to be determined by the Executive Engineer whose decision shall be final. If the contractor suffers any loss on account of his having to pay labor charges during the period during which the stop page of work has been ordered under this clause, the contractor shall, on application be entitled to any compensation on account of labor charge as the Executive Engineer whose decision shall be final may consider reasonable. Provided that the contractor shall not be entitled to any compensation on account of labor charges if, in the opinion Executive Engineer, the labor could have been employed by the contractor elsewhere for the whole or part of the period during which the stoppage of the work has been ordered as aforesaid.

CLAUSE13: NO CLAIM TO COMPENSATION ON ACCOUNT OF LOSS DUE TO DELAY IN PROCUREMENT OF MATERIAL FROM MARKET.

The contractor shall not be entitled to claim any compensation from the VMC for the loss suffered by him on account of delay in the procurement of material from market by contractor where such delay is caused by

1. Force Majeure
2. Act of God
3. Act of enemies of the State or any other reasonable cause beyond the control of VMC.
4. Natural Disaster (Any Kind off)

CLAUSE14: ACTION AND COMPENSATION PAYABLE IN CASE OF BAD WORK

If at any time before the security deposit is refunded to the contractor, it shall appear to the Addl. City Engineer/ Consultant his subordinate in charge of the work that any work has been executed with unsound, imperfect or unskilled 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 Addl.City Engineer/Engineer in charge/Consultant to intimate this fact in writing to the contractor and then notwithstanding 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 of or in part as the case may require, or if he is required, shall remove the material or articles so specified and provided 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 Addl. City Engineer/Engineer in charge/Consultant in the written in timation a foresaid the contractor shall be liable to pay compensation at the rate of one per cent on the amount of the contract sum for every day not exceeding ten days, during which the failure so continues, and in the event of any such failure as aforesaid the Addl.City Engineer/ Consultant may rectify or remove and re-execute the work or remove and replace the materials or articles as complained of as the case may be at the risk and expensein all respect of the contractor. If the Addl.City Engineer 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 here for.

CLAUSE–15: WORKS TO BE OPEN TO INSPECTION. CONTRACTOR OR REASONABLE AGENT TO BE PRESENT

All works under or in course of execution in pursuance of the contract shall at all times be open to the inspection and supervision of the Addl.City Engineer/ Consultant and his subordinates or agents appointed by VMC and the contractor shall at all times during the usual working hours and at all other times at which reasonable notice of the intention of the Addl.City Engineer/ Consultant or his subordinate or agents appointed by VMC to visit the works shall have been given to included. In the specification or other documents forming part of the contract referred to in these conditions or not and which may be necessary for the purpose of satisfying or complying with the requirements of the Addl.City Engineer/ Consultant as to any matter on which under these conditions he is entitled to be satisfied or which he is entitles require together with carriage, therefore, to and for the work.

The contractor shall also supply without charge the requisite number of persons with the means and materials necessary for the purpose of setting out works, and counting, weighing and assisting in the measurement or examination at any time

of the work or materials, failing this the same may be provided by the Executive Engineer/ Consultant at the expense of the contractor and the expense may be deducted from any money due to the contractor under the contract or from his Security Deposit. The contractor shall provide all necessary fencing and lights required to protect the public from accident and shall also be bound to bear the expense of defense of every suit, action or other legal proceedings, at law, that may be brought 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 persons or which may be with the consent of the contractor be paid in compromising any claim by any such person.

CLAUSE16: DELETED.

CLAUSE17: HOISTING APPLIANCES ETC.

The contractor shall comply with the following regulations as regards the Hoisting Appliances to be used by him:

a. Hoisting machines and tackle: including the attachments, anchor age sand supports, shall

(I) be of good mechanical construction, sound material and adequate strength and free patent defect; and

(II) be kept in good repair and in good working order.

b. Every rope used in hoisting or lowering materials or as a means or 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 be reexamined in position at intervals to be prescribed by VMC.

d. Every chain, ring, hook, shackle, swing and pulley block used in hoisting or lowering materials or as means of suspension shall be periodically examined.

e. Every craned river or hoisting appliance peart or shall be properly qualified.

f. No person who is below the age of 20 years shall be in control of any hoisting machine including any winch or give signals to the operator.

g. In the case of every hoisting machine and of every chain, ring, hook, shackle, swivel and pulley used in hoisting or 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 be plainly marked with the safe working load.

i. In the case of hoisting machine having a variable safe working load each safe working load and the conditions under which it is applicable shall be clearly indicated.

j. No part of any hoisting machine or any gear referred to in regulation above shall be loaded beyond the safe working load except of the purpose of testing.

k. Motors, gearings, transmissions, electric wiring and other dangerous parts of hoisting appliances shall be provided with efficient safeguards.

l. Hoisting appliances shall be provided with such means as will reduce to a minimum the risk of the accident descent of the load.

m. Adequate precautions shall be taken to reduce to a minimum risk of any part of a suspended load becoming accidentally displaced.

CLAUSE18: MEASURES FOR PREVENTION OF FIRE

The Contractors shall not set fire to any standing jungle, trees brushwood or grass without a written permit from the City Engineer. When such permit is given and also in all cases when destroying out of a dug up trees, brushwood, grass etc. by fire, the contractor shall take necessary measures to prevent such fire spreading to or otherwise damaging surrounding property.

CLAUSE19: LIABILITY OF CONTRACT OR FOR ANY DAMAGED ONE IN OR OUT SIDE WORK AREA

Compensation for all damage done intentionally or unintentionally by contractor's laborer whether in or beyond the limits of the work site including any damages caused by the spreading of Fire mentioned in clause 18 shall beast imaged by the Executive Engineer or such other officer as the VMC may appoint and the estimates of the VMC shall be final and the contractor shall have to pay the amount of the assessed compensation on demand failing which the same will be recovered from the contractor as damages in the manner prescribed in clause 1 or deducted by the Addl.City Engineer from any sums that may be due to or become due from the VMC to the contractor under this contract or otherwise.

The contractor shall bear the expenses of defending any action or other legal proceedings that may be brought by any person for injury sustained by him owing to neglect of precautions to prevent the spread of Fire and shall be also pay any damage and cost that may be the court in consequence. How ever, in any case VMC cannot be suit under any circumstances.

CLAUSE20{A}: WORKS NOT TO BE SUBLET

The contractor shall not be assigned or subleted without approval of the Addl.City Engineer and if the contractor shall assign or sublet his contract or attempt to do soor become insolvent or commence any proceedings to the adjudicated an insolvent or make

any compensation with his credit or so rat tempt to do so, the/VMC may by notice in writing, rescind the contract. Also if any bribe, gratuity, gift, loan, prerequisite reward or advantage pecuniary or otherwise shall either directly or indirectly be given, promised or offered by the contractor or any of his servants or agents to any public officer or person in the employment of or authorized by the VMC/

in any way relating to his office or employment, if any such officer or person shall become in any directly or indirectly interested in the contract, the VMC may, by notice in writing rescind the contract.

In the even to fa contract being rescinded, the Security Deposit of the contractor shall thereupon stand forfeited and be absolutely at, the disposal of the VMC/ and the same consequence shall ensure as if the contract had been rescinded under clause 3 hereof and in addition the contractor shall not be entitled to recover or be paid for any work therefore actually performed under the contract.

CLAUSE20{B}: SUM PAYABLE BY WAY OF COMPENSATION TO BE CONSIDERED AS REASONABLE COMPENSATION WITHOUT REFERENCE TO ACTULE LOSS.

All sums payable by contractor by way of compensation under any of these conditions shall be considered as reasonable compensation on be applied to the use of the VMC without any reference to actual loss or damage sustained and whether any damages had not been sustained.

CLAUSE20{C}: EXECUTION OF WORKS

All works to be executed under the direction and subject to the approval in all respect of Executive Engineer/ the Consultant for the time being, who shall been titled to direct at what point or points and in what manner they are to be commenced and from time to time carried on.

CLAUSE21: DECISION OF THE VMC TO BE FINAL

Except where otherwise specified in the contract and subject to the powers delegated to the Executive Engineer/Consultant, the decision of the Addl.City Engineer for the time being shall be final conclusive and binding on all parties to the contract upon all question relating to the meaning of the specifications, designs, drawings and instruction here in before mentioned and as to the quality of workmanship or material used on the work or as to any other question, claim, right, matter or thing what so ever, in anyway arising out of or relating to the contract designs, drawings, specifications estimates, instructions, orders or these conditions or otherwise concerning the works or the execution of failure to execute the same, whether arising during the progress of the work or after completion of abandonment thereof.

CLAUSE 23 LUMPSUM IN TENDER

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 is not in the opinion of the Executive Engineer capable of measurement, the Executive Engineer at his discretion pay the lump sum amount entered in the contract and the certificate in writing of the Executive Engineer/ shall be final and conclusive against the contract with regard to any sum or sums payable to him under the provisions of this clause.

CLAUSE24: ACTION WHERE NO SPECIFICATIONS ARE AVAILABLE

In the case of work for which there is no such specification, work shall be carried out in accordance with the P.W.D. or I.S.I. specifications and in the event of there being no P.W.D. or I.S.I. specifications the work shall be carried out in all respects in accordance with the instructions and requirements of Executive Engineer/the Consultant.

CLAUSE25: DEFINITION OF WORK

The expressions "Work" or "Works" whenever used in these conditions shall unless, there be something in the subject or context repugnant to such construction be constructed to mean the work or the works contracted to the executed under or by virtue of the contract, where temporary or permanent and whether original altered substituted or additions.

CLAUSE26:- QUERRY FEES AND ROYALTIES, ETC.

All query fee, royalties, octree dues and ground rent for stacking materials, if any should be paid by the contractor & it will be deducted & paid to concern authority/GOG/GOI by any of contractor during Ra bill as per GR of GOG/GOI.

CLAUSE26{A}: ACCIDENT OR INJURY TO WORK MAN

1. The contractor to Indemnify the VMC/CONSULTANT/ENGINEER INCHARGE:

The VMC/Consultant shall not be liable for or in respect of any damages or compensation payable by law in respect or inconsequence of any accident to injury to any workman or other person in the employment of the contractor or his any sub- contractor.

2. contractor shall indemnify the VMC/Consultant against such damages and compensation and against all claims, demands, proceedings, costs, charges, expenses whatsoever in respect thereof or in relation thereto.

CLAUSE28: INSURANCE:

Contractor at his cost for all such amounts shall secure and maintain insurances as may be necessary as Workmen's compensation and Employees Liability Insuranceand any other insurance required Under Law or Regulation of VMC and Transit insurance required in respect of all items to be transported by the Contractor to the Site of work.

CLAUSE29: IMPLEMANTATION OF PROVIDENT FUND ACT:

It is to be noted that the subject contract would be awarded only to those contractors that have fulfilled having P.F. Registration Number allotted to them RPFC, The agency to submit Certificate., Possessing License under Contract labor Act 1970 and to Submit.

CLAUSE30: JURISDICTION

The Contract shall be governed and be constituted according to laws in India. The Contractor will submit to the jurisdiction of the courts situated at Vadodara for the purpose of disputes, actions, and proceeding arising out the contract and the courts at Site location only will have the jurisdiction to hear and decide such disputes, actions, and proceedings.

CLAUSE31: SAFETY CODE

Contractor shall adhere to safe practice and guard against hazardous unsafe working condition and shall comply with central / State Government safety Rules. Safety Regulations in respect of all labor, directly or indirectly employed in the work for the performance of Contractors part of this agreement, Contractor shall at his own expense arrange to all safety provision as per safety code of Bureau of Indian Standard, The Electricity Act, and such other acts as applicable. Suitable scaffolding will be provided for workmen for all works that cannot be safely done from the ground up to any height as required for working, Scaffolding should be strong enough to prevent any collapse/Accident. The contractor is responsible for the stability of scaffolding.

CLAUSE 32: QUANTUM OF WORK;

A bill of approximate quantities for various items accompanies this Tender. It shall be definitely understood by the contractor, VMC/Consultant do not accept any responsibility for the correctness or completeness of this Bill in respect of Items & quantities & this schedule is liable to alteration by deletions, deductions, or addition to any extent at discretion of the VMC without affecting the terms of contract. The VMC reservestherighttoincreaseordecreasethequantumofworktoanyextentat site without assigning any reason/compensation.

CLAUSE 33: **DETAIL DRAWINGS**

The drawings accompanying the tender document are indicative of work and issued for tendering purpose only. Purpose of these Drawings is to enable the Tenderer to make an offer in line with the requirement of Building works. However no extra whatsoever shall be entertained for any variation in the "Approved for construction" and "tender drawing" regarding any changes /units. Construction shall be as per Drawings/specifications issued/approved by the VMC during the course of execution of which actual execution is to proceed will be furnished to the contractor progressively based on the detailed construction programmed evolved after the award of work and also based on construction progress achieved. Three copies of the drawings furnished to the Contractor shall be kept at the site and the same shall at all reasonable times be available for inspection & use by VMC or his representative &by other person authorized by VMC in writing. After possession & before final bill contractor have to submit site videography & six set of drawing as per site rectify & all drawing of 2d & 3d submit as per direction & instruction of site incharge

CLAUSE34: PROGRAME OF WORK(BARCHART)

Within7 days after the award of Contract, the Contractors shall submit to the VMC for his approval a program in MS Project software. The contractor has to submit bar chart updated every 3 months and before placing running bill to match with the planned whole job showing the order of a procedure and method in which he proposed to carry out the works and shall whenever required by the Executive Engineer furnish further detailed program in writing of contractors arrangements for carrying out the works. The submission to and approval, if any, by VMC or his representation of such program or particulars shall not relieve the contractor for any of his duties or responsibilities under the contract.

CLAUSE35: REMOVAL OF WORKMEN:

The VMC shall be at liberty to object & require the Contractor to remove forth with from the works any person employed by the contractor in or about the execution or maintenance of the works who in the opinion of the VMC/PMC mis-conducts himself or is incompetent or negligent in the proper performance of his duties or whose employment is otherwise considered by the Executive Engineer/PMC to be undesirable &such person shall be replaced by the contractor without delay by competent substitute approved by VMC/PMC.

CLAUSE 36: SITE FACILITY: -

All temporary structures put up for the works shall be removed avoid site handed over to Employer without obstruction. Water Supply &Electricity for construction purpose will be arrange by Contractor at his own cost.

(1) The contractor shall provide temporary Air conditioner site Office for Consultant/authorized representative/Owners and provide One Room of approx. size 5mx4mx3mheight adjoining each other approved by the VMC/Consultant with western toilet(2mx1.5mx3m) Facilities with adequate electric light &Fans with free power supply and Suitable Locking System. Suitable size of Table with

pushback executive chairs to be furnished, this shall be provided by the contractor at his own cost.

CLAUSE37: TAXES, DUTIES, ETC:

The rate to be quoted by the contractor must be inclusive of excise, sales tax, Service Tax, all other taxes, etc. present & future taxes be included. No extra payments on this account will be made to the contractor.

CLAUSE38: DEFECT LIABILITY PERIOD/**PERFORMANCE GAURANTEE:**

Defect liability period: The contractor shall be responsible to make good and remedy at his own expense any defect which may developer may be noticed before the period mentioned here under from the certified date of complete on. The Engineer in-charge shall give the contractor a notice in writing about the defects and the contractor shall make good the same within 15 days of receipt of the notice. In the case of failure on the part of the contractor, the Engineer-in-charge may rectify or remove or re- execute the work at the risk& cost of the contractor. The Engineer-in- charge shall been titled to appropriate the whole or any part of the amount of security deposit towards the expenses, if any, Incurred by him in rectification, removal or re-execution. The Defects

Liability period shall be as under…

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~~(a) Forall workscostinguptoRs. 50,000(amountputto tender), theperiodshallbe3MonthsfromthecertifieddateofcompletIon.~~

~~(a) ForallworkscostingmorethanRs.50,000anduptoRs.1 crore(amount puttender),theperiod shallbe12(Twelve)monthsfromthecertifieddateofcompletionoronemonsoon,whicheverislater.~~

(c) ~~Formajorprojectscostingmorethan Rs.1crore,theperiod shallbe36Monthsfromthecertifieddateof completionwhichshouldincludethreemonsoons~~.

(d) For Building works the defect liability period will be 5 years or elapse of 5 monsoon period following date of possession of Building taken over by user agency following the certified date of completion, whichever is later.

For the purpose of deciding the monsoon period, the 30th September shall be treated as the last date

During Performance Guarantee Period (5year), contractor shall make good any damaged or not Performer equipment or what so ever nature observed in different works, equipment, Orin part of work, plant or equipment which has not satisfy purposed of used by modifying/ replacing/repairing of such defective units or parts there this own cost with in period of three-days on hearing from owner about such Performance Guarantee period

In case if contractor's failure to do so, it will be got done by owner and entire cost shall be recovered from contractor's performance GAURANTEE bond in the form of bank GAURANTEE or other dues with the company.

CAUSE39: ERRORS AND OMMISSIONS

The contractor should take no advantage of any apparent error or omission in drawing or specification and the City Engineer should be permitted to make such correction and interpretation as necessary to full fill the intent of the plans and specifications. Alterations, omissions or correct in the drawings, diagrams or sketches or specifications shall not constitute a case for a claim or extra payment or extension of time by the contractor.

CLAUSE40: INSURANCE AGAINST ACCIDENTETC. TO WORK MEN

The contractor shall at his own expense carry and maintain insurance with reputable Insurance Companies to his satisfaction but in no case VMC will be responsible for any claim arise due to in-Adequate amount and or improper provisions of insurance bythe contractor under the employees State Insurance Act, 1949.Workmen" s compensation and Employer's liability insurance required Under law or regulations from time to time for this contract.

CLAUSE41: ADDITIONAL SAFETY CODE

The contractor shall provide all necessary safety provisions as indicated in safety code given along with this tender.

CLAUSE42: FOSSILS ETC

All fossils, coins, articles or value of antiquity and structure and other remains or things of geological or archeological interest discovered on the site shall as between the VMC and the contractor be deemed to be absolute property of the VMC.

CLAUSE43: PROGRAMME

The time allowed for execution of works shall be the essence of the contract. The contract period shall commence from date of notice of intimation to proceed. The Tenderer at the time of submitting his tender shall indicate to the construction schedule his program of execution of work commensurate with the total time specified. The contractor shall provide the Engineer-in-charge a detailed program of the time schedule for execution of the works in accordance with the specifications and the completion date, the entire program to be finalized by the contractor, has to confirm the execution period mentioned along with the bill of quantities in the tender documents. The Engineer-in-charge upon scrutiny of such submitted program by contractor, shall examine suitability of it to the requirement of contract and suggest modifications, if found necessary.

The successful bidder will have to submit detailed schedule of progress of work (Bar Chart) within 7 days of issued of work order and at every 3-month interval it is to be revised and submitted according to progress of work, and get submitted according to progress of work, and get it approved by VMC, if contractor fails to submit the same, **penalty of Rs. 15,000.0 will be imposed from prevailing running bill.**

b) Scaffolding

1. The contractor shall provide suitable scaffolds and working platforms, gangways and stair ways as per required.
2. All necessary personal safety equipments as considered adequate by the Executive Engineer should be kept available for the use of persons employed on the site and maintained in a condition suitable for immediate use and the contractor should take adequate steps to ensure proper use of equipment by those concerned of General Conditions of the Contract. To ensure effectively enforcement of the rules and regulations relating to safety precautions, the arrangements made by the contractor shall be opened to inspection by the welfare officer, Safety Engineer or Executive Engineer of the VMC or their representatives.

SAFETY CODE:

(A) In respect of all labor, directly or indirectly employed in the work for the performance of contractor's part of this agreement, the contractor shall at his own expense arrange for all the safety provision as per safety code of P.W.D. and handbookonconstruction safety practice SP-70-2001 and building & other construction workers. (Regulation of Employment & Condition of Services) act 1996. The contractor shall serve and abide by all the fire and safety security rules and regulations of the VMC.

(B) First Aid and Injuries

1. Contractor shall maintain first aid facilities to his employees and those of his sub-contractors.

2. Contractor shall make outside arrangement for ambulance service and for the treatment of injuries. Names of those providing these services shall be furnished to VMC prior to start of construction and their telephone numbers shall be prominently displayed in contractor's field office.

3. All critical injuries shall be reported promptly to VMC and copy of contractors report covering each personal injury requiring the attention of a physician shall be furnished to VMC.

CLAUSE44: ALTERATION IN SPECIFICATION AND DESIGNAND EXTRA WORK

A) The Executive Engineer-in-charge shall have power to make any alteration in, omission from, addition to, substitution for the schedule of rates, the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of work and the contractor shall be bound to carry of such altered/extra/new items of work in accordance with any instructions which maybe given to him in writing signed by Executive Engineer and such alteration mission, addition sor sub stitution work shall be

carried out by the contractor on the same conditions of contract. The time for completion may bee xtended by Executive Engineer as may be considered just and reasonable by him. The rates for such addition, altered or substituted work shall be worked out as under.

a) If the rates for addition, altered or substituted work are specified in the contract for work, the contractor is bound to carry out such work at the same rates as specified in the contract.
b) If the rates for additional, altered or substituted work are not specifically provided in the contract for the work, the rates will be derived from the rates of similar item sor works in the contract of work. The opinion of Executive Engineer as to whether the rate scan be reasonably so derived from the item of contract will be final and binding to the contractor.
c) If the rates altered, addition or substituted work cannot be determined as specified in(a)or(b) above, the rates shall be paid as per S.O.R. of VMC/PWD in the same of order preference. In absence of S.O.R. rate analysis approved by the Additional City Engineer shall be final.
d) If the rates of altered, addition or substituted work cannot be determined as specified in(a) or (b) or(c) above the contractor shall within seven, days of the receip to forder to carry out the work inform the Executive Engineer of the rate which he intends to charge for such work supported by rate analysis and the Executive Engineer will determine the rate on the basis of prevailing market rates or materials, Labor cost at schedule of Labor plus 10% thereon as contractor's supervision overhead and profits. The opinion of Engineer-in-change as to market rate of materials and the quantity of Labor involved per unit of measurement will be final and binding on contractor, but under no Cir cumstance the Contractor suspends work on the place or Non-Settlement of item following under this clause.

CLAUSE45: TESTS FOR QUALITY OF WORK

1. The contractor shall be required to give satisfactory tests wherever required and shall rectify the defects, if any free of cost. The necessary water, power, labor, etc. required for the tests shall also be arranged by the contractor at his own cost.
2. All workmanship shall be of the best kind described in the contract documents and in accordance with the instructions of Engineer-in-charge and shall be subjected from time to time to such test sat contractor cost as the Engineer-in-charge may direct at the place of manufacture or fabrication nor on the site or at any such place. Contractor shall provide assistance, instruments, labor and materials as are normally required for examining, measuring and testing of any work or workmanship as may be selected and required by Engineer-in-charge.

3. All tests necessary in connection with the execution of work as decided by Engineer-in-charge shall be carried out at an approval laboratory at contractor's cost.

4. Contractor shall furnish the Engineer-in-charge for approval when requested or if required by the specification, adequate samples of all materials and finished goods to be used line work sufficiently in advance to permit tests and examination thereof. All materials furnished and finished goods applied in work shall be exactly as per approved samples.

5. બાંધકામ મટીરીયલ્સ તેમજ કોમ્પોનેન્ટસ સેમ્પલની ગુણવત્તા માટેના પરીક્ષણ પૈકીના ૮૦% પરીક્ષણ સ્થળ પર તથા ૧૦% પરીક્ષણ સરકાર માન્ય લેબોરેટરી /ગેરી ધ્વારા તથા ૧૦% ગેરી (GERI) અથવા અન્ય કોઈ સરકારી લેબોરેટરીમાં કરાવવા બાબત. ગુજરાત સરકાર, માર્ગ અને મકાન વિભાગ, પરિપત્ર ક્રમાંકઃ-પરચ/૧૦૨૦૦૭/૨૮/સી. સચિવાલય, ગાંધીનગરતા.:- ૭/૦૫/૨૦૧૯વંચાણે લીધા- મા.મ.વિનો પરિપત્રનો ક્રમાંકઃ-પરચ/૧૦૨૦૦૭/૨૮/સી., તા. ૩૧/૧૨/૨૦૦૯.બાંધકામના માલસામાનનાં કરવા પાત્ર પરીક્ષણો પૈકી ૮૦% પરીક્ષણો પ્લાન્ટ સાઈટ પર, ૧૦% પરીક્ષણો સરકાર માન્ય લેબોરેટરી અને ૧૦% પરીક્ષણો ગેરી (GERI)/સરકારી ઈજનેરી કોલેજ/સરકારી પોલીટેકનીક કોલેજમાં કરાવવાના રહેશે. દરેક માલસામાનનું ઓછામાં ઓછુ એક પરીક્ષણ ગેરીમાં કરાવવાનું રહેશે.ઉકત જોગવાઈઓ સિવાય મા.મ.વિભાગના તા.૩૧/૧૨/૨૦૦૯ ના પરિપત્રની અન્ય જોગવાઈ / શરતો યથાવત રહેશે. & this is applicable from First RA bill Onward.

SCHEDULE FOR TESTING OF MATERIALS

Sr. No.	Brief description of materials to be tested	Prescription of test which shall be carried out	Frequency @ which test shall be carried out (As per GERI Q.C. Vol-12002)
1.	Sand	(1) Gradation (2) Fineness Modulus (3) Specific Gravity (4) Water Absorption (5) Silt Content	1/150 Cmt for concrete or as per requirement of relevant specification.
2.	Coarse Aggregate	(1) Gradation (2) Impact Value (3) Flakiness Index (4) Water Absorption (5) Stripping Value	1/150 Cmt for concrete or as per requirement of relevant specification.
3.	C.C. Cube	(1) Compressive Strength	1-5 Cmt. 1-Test 6-15 Cmt. 2-Test 16-30 Cmt. 3-Test 31-50 Cmt. 4-Test 51 & above 4 + 1 For each addl. 50 Cmt or part of thereof.
4.	Flush Door	(1) End Immersion Test (2)Glue Adhesion Test	Randomly as perIS:7638: 1975
5.	Tiles	(1)Wet Transverse Strength (2) Water Absorption	Randomly as per Strength IS:4905:1968

6.	Fly ash Brick	(1) Compressive Strength (2) Water Absorption	As per IS:5454:1978
7.	AAC Block	(1) Compressive Strength (2) Dry Density (3) Drying Shrinkage (4) Thermal conductivity	As per IS 2185 Part-3 As per IS 6441
8.	Cement	(1) Consistency test (2) Initial Setting time (3) Final setting time (4) Compressive Strength (5) Fineness by Dry Sieving (6) Fineness by Specific Surface (7)Soundness by Le-Chatelier (8) Specific Gravity	Every 50 Tons or part thereof
9.	Steel	(1) Weight per meter (2) Yield Stress / 0.2 % Proof stress (3) % Elongation (4) Tensile Strength (5)Chemical Test	(a) For Consignment below 100 tons (i) Under 10 mm dia. One sample for each 25 tons or part thereof (ii) 10 mm to 16 mm dia. One Sample for each 35 tonnes or part thereof (iii) Over 16 mm dia. One Sample for each 45 tons or part thereof. (b)For Consignment over 100 tons (i) Under 10 mm dia One sample for each 40 tons or part thereof (ii) 10 mm to 16 mm dia One Sample for each 45 tones or part thereof
10.	Chemical Mortar for AAC Blocks	As per Relevant Latest IS-code	

Note:-

1. For Sand and Coarse aggregate two Nos. of full bag for one sample shall be supplied by agency.
2. For water test 5:00 litres of water shall be supplied by agency in plastic container for each source.
3. Sample from the lot shall be selected by authorized representative along with representative of VMC or TPI or PMC.
4. Selected sample shall be handed over personally by contractor in presence of representative of VMC or TPI or PMC in sealed condition with letter containing sample No. and sampling date.
5. Test report should be received by the department containing reference of department's letter, sample No. Sampling date and date of testing.
6 Calibrated testing machine should be available at site and regular calibration should be done as and when required.
7. The sampling of above materials will be as per relevant IS codes

CLAUSE46: PROCEDURE FOR MEASUREMENT OF WORKIN PROGRESS

1. All measurements shall be in metric system. All the work in progress will be jointly measured by the representative of Engineer-in-charge and contractor's authorized agent.
2. Such arrangements will be got recorder in the measurements book by the Engineer-in-charge or his authorized representative PMC/DE/AAE/AE and signed by the contractor or his authorized representative and signed by the contractor or his authorized agent in token of acceptance. If the contractor or his authorized agent fails to be present whenever required by the Engineer-in-change or his authorized representative not with standing the absence of contractor and these measurements will be deemed to be correct and binding on the contractor.
3. Contractor will submit a bill in approved proforma in duplicate to the Engineer- in-charge of the wok giving abstract and detail measurements of various items executed during a month as mutually agreed. The Engineer-in-charge shall verify the bill and the claim, as far as admissible.

CLAUSE47: TAXES, DUTIESETC.

1. Contractor agrees to and does hereby accept full and exclusive liability for the payment of any and all taxes including sales-tax, duties, octree or entry tax etc. Not or here in after imposed, increased or modified from time to time in respect of work and material sand all contribution sand taxes for unemployment, compensation, insurance and old age pension or annuities now or here in after imposed by the central or State Government authorities with respect too rcovered by the wages, salaries or other compensation paid to the parsons employed by contractor.

2. Contractor shall be responsible for compliance with all obligations and restriction simposed by the labour law or any other law affecting employed- employee relationship.

3. Contractor further agrees to comply and to secure the compliance of all sub- contractor with applicable central, state, municipal and local laws and regulation sand requirement.
4. Contractor also agrees to depend indemnify and hold harmless the owner from any liability or penalty which may be imposed by central, state or local authority by reasons any violation by contractor or subcontractor of such laws, regulations or contractor or subcontractor of such laws, regulations or requirements and also from all claims, suits or proceedings that may be brought against own erarising under growing out of or by reasons of work provided for by this contract by third parties or by central or State Government authority or any administrative sub-division thereof.
5. At present there is no sales tax on work contract. Even if at later stage same is imposed by Govt. the sales tax on work contract shall be borne by contractor.
6. The contractor shall pay royalty taxas per the rated decided by Government.
7. The contractor shall pay all taxes like sales, income tax, GST, Service tax or any other tax which are in force time to time. VMC may not be any way hold responsible for any such taxes. However, VMC can ask to produce the tax payment on the request from detail

concern departments of Government. Or VMC.

CLAUSE48: MOBILIZATION

As per SBD, Sectionno-04, Clauseno30

The Employer shall make advance payment(not to be paid less than two installments except in special circumstances for which the reason to be Recorded inwriting)to the Contractor of the amounts stated in the Contract Date by the date stated in the Contract Date, agains to provision by the Contactor of an Unconditional Bank Guarantee in a form and by a bank acceptable to the Employer in amount sand currencies equal to be atleast110%oftheadvancepayment. The guarantee shall remain effective until the advance payment has been repaid, but the amount of the guarantee shall be progressively reduced by the amounts repaid by the Contractor. The Mobilization advance would be deemed as interest bearing advance at an interstate of 10% to be compounded, quarterly.

- The Contractor is to use the advance payment only to pay for Equipment, plant and Mobilization expenses required specifically forex ecution of the Works. The Contractor shall demonstrate that advance payment has been used in this way by supplying copies of invoice so ro ther documents to the engineer. The advance payment shall be repaid by deduction proportionate

Amount from payments otherwise due to the Contractor, following the schedule of completed percentages of the Works on a payment basis. No account shall be taken of the advance payment or its repayment in assessing valuations of work done, variations, price adjustments, Compensation Events, or Liquidated damages. (for above to proceed this clause must have to take a prior approval from a concern Enggincharge/Executive/ACE/vmc commissioner before process)

Signature of Contractor Addl.City Engineer,

Date **Vadodara Municipal Corporation**

VADODARA MUNICIPAL CORPORATION

Special Conditions of Contract

GENERAL

(A) Special conditions of contract shall be read in conjunction with General Conditions of Contract Material and job Specifications, Drawings and other documents forming part of this contract.

(B) Now withstanding the sub-division of the documents into the separate sections and volumes every part of each shall be deemed to be supplementary to the complementary of every other part and shall be read and into the contract so far as it may be practicable to do so.

1. All the materials required for the contract should be brought and well preserved well in advance. Samples of the same should be shown and got approved in the very beginning. As soon as material are brought they should be examined, if material is not as per specifications it should be removed from site.

2. EXTRAITEMS:

No extra items be paid within the present scope of work with drawings or details, if however, the Tenderer feels that there is any extra item, he may write in his forwarding letter each item, its quantities and cost. For the purpose of comparison and evaluation, this will be considered and award of work may be made or not made considering these. Later on if any change is required by the

VMC before executing the items, a claim be made by the contractor before execution

of such extract appointing out the exact extra itemas desired by them, total quantity and amount This item be executed only after written sanction of the VMC, if the contractor still claims it as extra item in absence of any such written claims before execution of that item orif such claim is rejected, it will be deemed to be contained in regular item soft tender and not an extra one. Rate of extra item, if any, will be settled on the basis of rates tendered by the contractor and VMC schedule of rates in force in the current year at the time of execution of item. Rate analysis will be prepared and if require after inquiry of labor and materials, the rate shall be decided. This calculated rate will be arrived after due rate analysis by considering market rates of the labor and material with contractor's profit added to such cost thus arrived at. Contractor shall have to produce vouchers/ bill of payment to support the rate analysis.

3. Every tender should be accompanied with a time schedule of progress of work at various stages. In case these stages are not followed up, actions as stated in the contract will have to be taken to bring the progress of work as scheduled.

4. The tendered shall have to work as per the time schedule enclosed in the tender. The progress of work will be required every month against target set in time schedule. If it is found inadequate or falling behind, contract shall take all the necessary actions as suggested by the "Executive Engineer" to accelerate the speed of work and again back the lost time. In case of contractor not complying suggestions and instructions of Executive Engineer to speed up the work, the VMC will have a right to take action as per General Conditions of Contract Clause
(2) and (3).

5. SUB-LETTING:

(1) **No sub-letting of work**

i) No part of the contract nor any share of interest there in shall in any manner or degree be transferred, assigned or sub-let by the contract directly or indirectly to any person, firm or corporation whomsoever except as provided for in the succeeding sub-clause without the consent in writing of the Addl.City Engineer.

ii) **Sub-contract for Temporary Works Etc.**
The Addl.City Engineer may give written consent to sub-contract for the execution of any part of the works at the site, being entered into by the contractor provided each individual sub contract is submitted to the City Engineer or his subordinates before being entered into and approved by him.

iii) **List of sub-contractors to be supplied:**
At the commencement of every month the contractor shall supply to the ExecutiveEngineerlistofsub-contractorsorotherpersonsorfirmsengagedbythe
contractor and working at the site during the previous month with particulars of the

general nature of the sub-contracts of works.

iv) **Contractor's Liability not Limited by Sub-Contractors:**

Not with standing any sub-letting with such approval as aforesaid and not withstanding that the Executive Engineer shall have received copies of any sub-contracts, the contractor shall be and shall remain solely responsible for the quality and proper and expeditious execution of the works and the performance of all the conditions of the contract in all respect as if such sub-letting had not taken place and as if such work had been done directly by the contractor.

v) **VMC may terminate sub-contracts:**

If any sub-contractor engaged upon the works at the site executes any work which in the opinion of the Executive Engineer is not in accordance with the contract documents, the VMC may be written notice to the contractor require him to terminate such sub-contract and the contractor upon the receipt of such notice shall terminate such sub-contract and dismiss the sub-contractors sub the letters shall forth with leave the works, failing which the VMC shall have the right to remove such sub-contractors from the site.

vi) **No remedy for action taken under this clause:**

No action taken by the VMC under the clause shall receive the contractor or any of his liabilities under the contractor or give rise to any right to compensation, extension of time or otherwise, failing which the owner shall have the right to remove such sub-contactors from the site.

6. In convenience to the Public:

The contractor shall not deposit materials on any site which will cause seriously inconvenience to the public. Engineer in charge /pmc/Executive Engineer may require the contractor to remove any material which are considered by him to be a danger or inconvenience to the public or cause the moto be removed at the Contractor's cost.

7. **Approach Roads:**

Contractors will be permitted to use the existing roads in the areas for the purpose of transporting laborers and materials etc. The VMC, however, will not undertake to provide any approach road to the site of works. It shall be entirely the responsibility of the contractor to provide and maintain such temporary roads at his own cost for the purpose of movement of men, materials, and equipment. Layout of such approach roads shall be submitted to the Executive Engineer for his approval before undertaking the construction of the same.

8. **Supply of Materials:**

The contractor is required to keep himself in touch with the Deputy Executive

Engineer for the day-to-day position of supply of materials to be supplied by owner, so as to adjust the program of work accordingly in advance to avoid his labor remaining idle on account of non-receipt of materials. No claim of extra payment due to or arising from delay in supplying the materials by the Owner shall be entertained, but a reasonable extension of period of contractor may be considered if found justified.

The contractor shall be submitting Manufacture or certificates of required Items added and by Engineer of In charge.

9. **Water Supply, Electricity and drainage Connection to Contractors:**

The contractors shall make his own arrangement of water/electricity/drainage Facility required for construction, site office and labor camp. Contractor shall make arrangement for receiving, storage and distribution of water/electricity as per established norms and practice. VMC shall not entertain any claim of contractor for delays resulting on account of inadequate or irregular water supply.

Certified plumbers should be employed by the contractor on the work for all the temporary sanitary and plumbing works.

10. **Contractors Store sand Site Office:**

Suitable area near the site of work shall be allocated free of rent to the contractor for storing his equipment plant, materials, etc. and for his site office. If suitable site near site of work is not available, the contractor should prepare its site office away from the site of the work as per the direction of the Executive Engineer.

11. **Rates to Include Everything:**

The rates quoted in the tender should include all charges for hired, if necessary, of any tools, and plant, temporary plumbing, water connection, maintenance of sanitary and water connection, supply of water, cost of cisterns, over head storage tanks, sheds for materials, his labor and plant office and staff, charges for getting electric connections and maintaining the same, clearing the site, watering rolling etc. as specified. The rates shall be inclusive of octroi duty and any other duties and / or levied, by the Government or public body or body corporate.

12. **Supply of Plant and Equipment Materials and Labor**

The contractor shall make his own arrangements to produce all construction plant and equipment for his work. He shall also forward along with tender a list of type and number of the equipment with their capacities in good working condition which he will use at site to ensure completion of the work in specified time.

All materials, construction plant sand equipment's, etc. once brought by the contractor on the site are not to be removed from there without the written authority from the Executive Engineer. Also, the contractor shall have adequate stock

of spare

parts for the equipment on the site and work shall not be delayed on this account. Similarly, all enabling work built by the contractor for the main construction undertaken by him are not be dismantled and removed without the written authority from the Executive Engineer. This contractor shall at his own expenses supply and provide all the construction plant, temporary works materials both for temporary and for permanent works, Labor (including the supervision thereof), transport to or from the site and in and about the works and other things of every kind required for the construction, completion and maintenance of the works.

Contract or shall provide all necessary materials, equipment's, labour, etc. for erection, testing and commissioning work at his own cost and risk till completion.

13. **Rubbish and Clearance of Site:**

The contractor shall clean away all rubbish, vegetation, roots, sods etc. and dump them in the area indicated by the Executive Engineer and to his satisfaction. No separate rate shall be allowed for the above. After the work is completed and a group of structures handed over, the contractor shall clear the area surrounding the work of all hutments, temporary structure and excess stores and remnants of building materials such as brickbats, sand, kapachi, timber, steel etc. at no extra cost the VMC and land brought to its original conditions.

14. **Bench Marks**

The contractor shall protect surveyor's benchmarks line marks and baseline marks from damage of movement during the work report & the same must have to verify & check work to Pmc /Engineer incharge.

15. **Inspection**

The contractors shall inspect the site of work and as certain site conditions and the nature of soil to be excavated.

16. **Execution of Works:**

The contractor is responsible for the correct execution of his work in accordance with the drawings provided to him and for all mistakes due to working to wrong levels or center lines. When levels, center lines and bench marks of reference have been once given to him by the Deputy Executive Engineering writing, it is his responsibility to record, protect and maintain the said marks, and to work to the same, and no complains can afterwards be attended to for excess work done inconsequence of such levels not having been kept up and maintained by the Contractor.

17. The contractor shall obtain the permission of the Executive Engineer before installation of fixed construction machineries, connections from pipelines, location soft temporary

buildings including Labor camps and storage materials, points of

tapping electricity supply of connection. Also the contractor shall not energize any approval of the Executive Engineer.

18. The work shall be carried out in such a manner as not to interfere with or affect, retard or disturb the progress of other works being executes by other agencies.
19. The contractor shall submit to the Executive Engineer periodically as required, information regarding the progress of work being carried out by him.
20. The contractor shall provide at his own cost adequate closets and sanitary accommodation for all his workman employed on the site. These shall be in accordance with the rules and regulations of the owner. The lavatories and sanitary accommodation shall be maintained in good sanitary, working and disinfected conditions.
21. The contractor shall not allow any visitors on the works except with the approval of the owner.
22. If the he ad quarters of the Tenderer are elsewhere than in Baroda, he shall have a duly authorized agent at site from the commencement of work until completion of the building work as specified. Such agent shall be authorized to act on behalf of the contractor, to accept services of notices under the contract and agree to extra, omissions and varied items of work and rates for the same. Such agent shall maintain on his staff a qualified engineer and such other personnel as may be required for the efficient execution of the work. Any notice under the contract shall be deemed to have been serviced on the contractor is served upon such agent. The contractor to carry out any rectification under the terms of the contractor after the work is completed. The contractor shall have the same or another duly authorized are using carried out. This is specified in clause no. (15) of General Conditions.
23. The successful Tenderer shall send a duly authorized competent representative at his expenses to meet the Addl.City Engineer at his office whenever called upon in writing to do so by the Addl.City Engineer and any instructions, directions or explanations given by the Addl.City Engineer to such representatives shall be held to have been given to the successful Tenderer.
24. The contractor shall afford facilities to the Executive Engineer for a physical check of such materials in stock in his go downs or at the site of work, as and when desired by doing so the Executive Engineer.

25. during the progress of the construction work, if in the drawings, diagrams and the sketches issued if any to the contractor for the purpose of execution of work any omissions or inaccuracies are found by the contractor, he shall bring the same forthwith to the notice of the Executive Engineer and get them clarified immediately.

26. Metal, Brick bats, Sand, Yellow earth, stone dust, cement, steel, water, machine/equipment man-power and any other material required for construction shall be produced by contractor from open market. Contractor shall identify potential sources of material and shall make arrangements for adequate and time bound supply of these items. Contractor shall have to get the supply sources and material approved by Deputy Executive Engineer/AAE/AE/Executive Engineer before bringing material to site. No extension of time shall be granted for completion of work on account of delays resulting due to non-availability of material, work, electricity etc. at site.

27. Use of animals is prohibited.

28. Construction must keep on competent and experienced and qualified Senior Civil Engineer with 10 years' experience or as directed by the Addl.City Engineer to get best workmanship and day-to-day progress.

29. All the materials and the workmanship shall be the respective kind described in the contract and in accordance with the Executive Engineer instructions and shall be subjected from time to time, such tests as the Executive Engineer may direct. The costs of such tests shall be borne by the contractor. No extra claim will be entertained for the materials, transport, labor, curing, preservation and supply of test samples of interests and size and shape as directed by the Executive Engineer.

30. The contractor shall maintain an up-to-date record register of the materials issued to him with 7 days of work order if any. One other register may also be kept showing the quantum of work executed day-to-day together with materials particularly cement used against each item & site inspection book & complain resolving register format.

31. A work order register which will also be called site instruction book will be kept and maintained at site by contractor wherein the day-to-day instruction may be noted down by the AAE/PMC/Dy. Executive Engineer or his subordinate in charge of work. The violation of the instructions written by the AAE/PMC/Dy. Executive Engineer or his sub or donate in charge of the work will be severely
viewed. The obedience and strictly followed up of the instructions will be obligatory

on the part of the contractor. if agency fail to do deduct Rs. 15,000 from RA bill for each complain.

32. The VMC shall also deduct from running bills submitted by the contractor an amount equivalent as applicable from time to time of the total amount of each of such running bills towards income tax at source under the relevant provisions of Income Tax Act.
33. The contractor shall indemnify the VMC and every member and officer and employees of the VMC against all the actions, claims, demands, costs and expenses whatsoever arising out of or in connection with the matter referred to in the above clause. The contractor shall be liable to reimburse the VMC and keep indemnify the employer in respect of all actions, claims, procedures, demands, cost expenses which the VMC may have to incur on account of default of the contractor under the above clause.
34. The VMC will be entitled to deduct from the bills to be paid to the contractor any sum or sums payable by the contractors and which sum the VMC in required to pay as a principle employer on account of default of the contractor in respect of all liabilities referred to in above clause
35. **Force Majure**

If the performance of the agreement arising out of the acceptance of the Tenderer, quotation of the Tenderer by the VMC, is prevented or delayed or interfered with by any act of nature, wars, act of enemy, block ads, embargo, insurrections, riots, political or commotions, strikes, lockouts, acts of Government or other industrial disturbance, explosions or any other cause whether enumerated or otherwise not within the reasonable control of the Tenderer or VMC, all of which by the exercise of due diligence is unable to foresee or overcome the Tenderer or the VMC shall not be held responsible for the non-performance of such agreement or prevention, delay interference or suspension in the performance of such agreement any thereof should bone or both the parties to such agreement be prevented from fulfilling the contractual obligation by a state of force.

Majeure lasting continuously for a period of three months, both the parties shall consult with other regarding the future implementation of such agreement. For the force Majeure that lasts for less than three months, the agreement shall remain as it is and suitable period equipment to time of force Majeure shall be added in to total time limit for performance of the contract.

37. Sole Arbitrator

Municipal Commissioner, VMC shall be the sole Arbitrator. For any disputes &differences of any kind arising out of or in connection with the contractor or the carrying out of the works during the progress of the works or after their completion shall be referred to & settled by Municipal Commissioner, VMC. The decision of the Municipal Commissioner shall be final & binding to both parties.

38.Insurance

The contractor shall take full responsibility for loss damages and the care plant and works until it is delivered to site, erected, commissioned and taken over by the owner. Without limiting such responsibility, the contractor shall, in the joint names of the contractor and the owner, to protect himself and the interest of the owner, insure the plant and each part thereof for their full value until they have been taken over. The contractor alone has to bear the premium / other expenditure for such insurance. Such insurance shall cover the equipment against loss, damages or destruction by fire, lighting, earthquake, thefts, perils of the sea of by any cause whatsoever, throughout the duration of the contract. The contractor shall deposit the policy or policies and receipts for the premium paid with the owner. All money received under any policy shall be applied in or towards the replacement and repair of the loss or damage. The insurance must include provision for payment off foreign currency as may be necessary in respect of any claim.

39.Advance Payment

The Employer shall make advance payment (not to be paid less than two installments exception special circumstances for which the reason to be Recorded in writing) to the Contractor of the amounts stated in the Contract Date by the date stated in the Contract Date, against provision by the Contactor of an Unconditional Bank Guarantee in a form and by a bank acceptable to the Employer in amount sand currencies equal to be at least110% of the advance payment. The guarantee shall remain effective until the advance payment has been repaid, but the amount of the guarantee shall be progressively reduced by the amounts repaid by the Contractor. The Mobilization advance would be deemed as interest bearing advance at an interest rate of 10% to be compounded, quarterly. (for above to proceed this clause must have to take a prior approval from a concern Enggincharge/Executive/ACE/vmc commissioner before process)

Documentation on Site

Cement, Steel register, Cube register Daily material consumption & Progress register and to be instructed by PMC/TPI/Engineer in charge to be maintain by Contractor and shall be signed daily by Supervising Engineer not below rank of AAE. The same shall also be signed by PMC/TPI /Engineer in charge.

40. Site Office

Well-furnished & Air-conditioned site office with at least 5 nos. of table, cupboard inclusive of HP latest configure computer system with Multifunctional A/3 size printer which shall be provided and maintained for the exclusive use of VMC& supervisory agency appointed by VMC.

Safe Guard The Successful bidder has to make the proper arrangement for the provision of safe guard of adjoining structure at his own cost. The Bidder shall be sole responsible for any destruction or any hindrance. VMC will not be responsible for any compensation or any demand of payment. Contractor will not be allowed to start the work before installing the caution board on both the end and all major crossing of the road. Caution boards shall be installed before commencement of the work and it shall be removed after commissioning of the work.

41. Contractor has to co-ordinate with Mechanical. Electrical. Plumbing & Water Works & Fire VMC and all GOG/GOI, SEMI Govt & All other agencies also Agency have to only execute fire estimate and its execution as per guideline and direction of VMC Fire Department and for execute fire work they must have to take final approval from concern authority (online and offline) within 05 months after received of work order

42. Contractor have to maintain, secure and continuity of operating system in view of Civil, Plumbing, Electrically and Mechanically, A.C., Fire safety, A.V.L.V. etc. all head as mentioned in BOQ on and up to DLP.

The work specified in the Tender for works expires taking into consideration the extension of time, if any, for completion of the work, granted under the relevant clause of the conditions of the contract in cases other than those where such extension as necessitated on account of default of the contractor. The decision of the City Engineer as regards the Operative period of the contract, shall be final and binding on the contractor.

Signature of Contractor **Deputy/Executive Engineer**
Date **Vadodara Municipal Corporation**

SCHEDULE OF PAYMENT

NAME OF WORK: AS PER NIT.

The Tenderer must understand clearly that the rates quoted are for completed works and include all costs due to labor, scaffolding, plant, supervision, service work, water, power, royalties and etc. and to include all extras to cover the cost of night work if and when required and no claim for additional payment beyond the prices or rates quoted will be entertained and the Tenderer will not be entitled subsequently to make any claim on the ground of misrepresentation or on the ground that he was supplied with information given by any person (whether the member is the employee of Engineering Department of VMC or not). Any failure on his part to obtain all necessary information for the prices and rates there in shall not relieve him from any risks or liabilities arising out of or consequent upon them submission of the tender.

i. 1% amount shall be deducted for Labor chess from each bill submitted by Contractor.
ii. Security Deposit @ 5% of the value of work order value shall be deposited by the bidder in the form of Bank Demand Draft. Alternatively, EMD of the 2% submitted in form of Demand Draft and remaining 3% shall be deducted from first 3(Three) running bills equally.
iii. Sales tax/~~VAT~~/GST Deducted from RA bills as per Government norms.
iv. The contractor shall have to submit the running accounts bill in Triplicate to the VMC which will be forwarded to consultants. On certificate from the consultants the payment will be released by VMC after necessary checking. This procedure shall not absolve the contractor from the responsibility of timely completion of the work.
v. The agency shall execute whole item of internal and external painting work at last month of 5thYear of his defect liability period at his own cost (including all) with no other extra cost to be paid by VMC and for which 5 % of Performance guarantee shall be release on successful completion internal and external painting at last month of 5thyear of his defect liability period. The rates quoted by contractor shall be including this cost of repainting at the end of 5thyear of his defect liability period. Performance guarantee shall be released only after satisfactorily completion of said item at 5thyear as approved by Engineer in Charge.
vi. Minimum RA bill shall be of 5% of project cost.

CHAPTER-IV

ANNEXURE-I

To
The Executive Engineer
(Building Projects)
VADODARAMUNICIPALCORPORATION,
Khanderao Market Building,
RajmahalRoad,390209-Vadodara, Gujarat.

Subject: Submission of Running/Final bill

Name of Work: - CONSTRUCTION OF NEW 16 AANGANWADIS AT VARIOUS PLACES IN EAST ZONE AND WEST ZONE.

Date of Taking Measurements: -_____

We the agency M/S _____herewith submit running bill no.___/Final bill for the above said work.

The necessary documents attached are listed below:

A) PART-I:

1) Car Policy No._____valid up to _____(copy Attached).
2) Bank Guarantee for security deposit No._____valid up to _____(Copy Attached
3) VMC Registration No._____Valid up to_____(Copy Attached).
4) SecurityDeposit@3%tobedeductedi.e.Rs._____.
5) Receipt of Professional Tax of current Year --------Yes/No.(Copy Attached)
6) Colored Photograph of Name board of Project Site attached—Yes/No(Copy Attached)
7) Advance Reciept Copy attached–Yes/No(Copy Attached)
8) Copy of Workorder

B) PART-II:

1) Mix Design Report --------- Yes/No(Copy Attached)
2) Concrete Pour Card attached -------Yes/No(Copy attached)
3) Testing report attached------- Yes/No(Copy Attached)
4) Cement Consumption Statement ------Yes/No(Copy Attached)
5) Check list for Pouring Concrete attached–Yes/No(Copy Attached)
6) Cube test Register copy attached ------ Yes/No(Copy Attached)
7) Summary of Pour Card and cube test result attached ----- Yes/No(Copy Attached)

8) Summary of Material testing as per standard attached ------- Yes/No (Copy attached)
9) Calibration Certificate attached ------ Yes/No(Copy Attached)
10) Copy of Weight Reciept of Approved Weigh scale by VMC attached--- Yes/No (Copy Attached)
11) Trips of Tractor/Vehical
12) Copy of previous running bill
13) Measurement Book
14) Royalty Certificate as Per Material Consumption
15) Bar chart Submitted Copy (With Respect To Tender Clause)
16) Sbc Report
17) Geri/Govt Lab Report
18) BBS Detailed
19) All Certified Copy of Material Register & Complain Register
20) Previous Bill & MB as Per Requirement
21) Handbook Copy with Duly Sign by Agency/AE/AAE/PMC

Date

Signature of applicant(s)

SEAL

Enclosure: Measurement

Book

MEASUREMENT BOOK NO. -_____

Date of Measurement taken: -_____

Item No. As per Main Tender	Description of Item	No.	Length	Breadth	Depth	Quantity	Tender Rate

We have one work as per above description of items as per Tender Condition /Specifications. Hence, we request out to release our payment asper above measurements taken in Running Bill No./Final Bill

Date: -

Sign of Contractor

Note: The payment of bill of contractor shall be released only after submission of letter/bill as above from contractor.

Name of Work:- CONSTRUCTION OF NEW 16 AANGANWADIS AT VARIOUS PLACES IN EAST ZONE AND WEST ZONE.

સિમેન્ટના રોજવપરાશનુ પત્રક

અનુ. નં	તારિખ	ખુલતીસિલક	આવક	કુલજથ્થો	વપરાશ ની વિગત				સવાલ હેથળનો વપરાયેલ કુલ સિમેન્ટ	બાકીરહેલ સિલક	ઠેકેદારનીસહી	સુપર્વાઇઝરનીસહી	ચેકીંગકરનારની સહી	વિશેષનોંધ
					આઈટમ નંબર	આઈટમની વિગત	દિવસદરમિયાન થયેલ કામનો જથ્થો	વપરાયેલસિમેન્ટ						
૧	૨	૩	૪	૫	૬	૭	૮	૯	૧૦	૧૧	૧૨	૧૩	૧૪	૧૫

Cube Casting and Test Result Register																							
CONSTRUCTION OF NEW 16 AANGANWADIS AT VARIOUS PLACES IN EAST ZONE AND WEST ZONE																							
Sr. No.	Date of Casting	Structure / Description		7 Days Comp Strength										28 Days Comp Strength									
			Qty	Date of Testing	Cube ID	Wt. of Specimen (gm)	Load in (KN)	Compressive strength (N/mm2)	Aveg. Compressive strength (N/mm2)	Agency	PMC	TPI	Remark	Date of Testing	Cube ID	Wt. of Specimen (gm)	Load in (KN)	Compressive strength (N/mm2)	Aveg. Compressive strength (N/mm2)	Agency	PMC	TPI	

સ્ટીલનો રોજ વપરાશનુ પત્રક

અનુ. નં	તારિખ	ખુલતીસિલક મે. ટન	નવીઆવકમે. ટન	કુલજથ્થોમે. ટન	વાપરેલ સ્ટીલની કામની ટેન્ડર આઈટમનુ વર્ણન	કેટેગરી વાઈઝ સ્ટીલનો વપરાશમે. ટન માં							કુલ વપરાશ મે. ટન	બંધ સિલક
						6 Ø	8 Ø	10 Ø	12 Ø	16 Ø	20 Ø	25 Ø		
૧	૨	3	૪	૫	૬	૭	૮	૯	૧૦	૧૧	૧૨	૧૩	૧૪	૧૫
1														
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Fine aggregate Test Result Register

Name of Work: - CONSTRUCTION OF NEW 16 AANGANWADIS AT VARIOUS PLACES IN EAST ZONE AND WEST ZONE .

Sr. No.	Date of Testing	Fine Aggregate sieve Analysis Test										Signature			
		10 mm (100)	4.75 mm (90-100)	2.36 mm (75-100)	1.18 mm (55-900)	600 mic (35-59)	300 mic (8-30)	150 mic (0-10)	Zone	F.M	Silt Content	Cont.	PMC	TPI	VMC

Aggregate Test Result Register

Name of Work:- CONSTRUCTION OF NEW 16 AANGANWADIS AT VARIOUS PLACES IN EAST ZONE AND WEST ZONE .

Sr. No.	Date of Testing	20 mm Aggregate				10 mm Aggregate				Signature			
		40 mm (100)	20 mm (85-100)	10 mm (0-20)	4.75 mm (0-5)	12.5 mm (100)	10 mm (85-100)	4.75 mm (0-20)	2.36 mm (0-5)	Cont.	PMC	TPI	VMC

[redacted]

PERFORMANCE GUARANTEE BOND

FOR

CONSTRUCTION OF NEW 16 AANGANWADIS AT VARIOUS PLACES IN EAST ZONE AND WEST ZONE

(TO BE EXECUTED ON Rs.300 Stamp)

Whereas M/S._____have been awarded a Contract dated _____For CONSTRUCTION OF NEW 16 AANGANWADIS AT VARIOUS PLACES IN EAST ZONE AND WEST ZONE

_____as specified in the tender by the VADODARA MUNICIPAL CORPORATION and Whereas the said M/S. _____ has appointed us,_____ Bank to provide a PERFORMANCE GUARANTEE bond to the VMC for the work undertaken by M/S. _____and

Whereas we, the _____Bank have agreed to provide such PERFORMANCE GUARANTEE bond.

Now THEREFORE we the_____Bank provide the following Performance Bank Guarantee by way of this bond to the VMC.

1. The contract value of the contract provided M/S.___by the VMC is Rs.__This guarantee in the nature of PERFORMANCE GUARANTEE is provided so as be ensure and indemnify the VMC for the full and proper performance of the contract by M/S._____ the_____bank hereby indemnifies the VMC for all losses and/or damages to the project which would be laid or repaired by M/S._____and such PERFORMANCE GUARANTEE would include any damage to all civil works including interior Works Plumbing Sanitation and Chine mosaic water proofing, Underground water tank, Pest control, of all building in the said office building and store building also Ground Development works are the part & parcel of the tender which may be suffered by the VMC ,as a result of poor workmanship, oratall. By way of this bond We the _____bank agree and promises that in the eventuality of the contractors M/S. _____not repairing or reminding the problem, lossor damage to all civil works including interior Works Plumbing Sanitation and China mosaic water proofing, underground water tank, Pest control, of all building in the said office building and store building also Ground Development works.

are the part & parcel of the tender. we shall identify and pay the VMC such expenses, losses and damages that may be incurred by the VMC, as a result of the VMC getting the work done itself or from other source.

2. WE_____Bank agree and understand that the decision as to whether any losses or damage to all civil works including interior Works Plumbing Sanitation and Chine mosaic water proofing , Underground water tank , Pest control, of all building in the said office building and store building also Ground Development works are the part & parcel of the tender have taken place or not and or whether the work suffers from poor workmanship or not will be taken by the commissioner of VMC and on the Commissioner's decision regarding such losses or damage or defect what so ever being so notified by the VMC to us. We shall immediately take steps and ensure that M/S_____faithfully and diligently carry out the necessary remedial steps to the full satisfaction of the commissioner of VMC. The opinion of the Commissioner as to whether full and complete remedial steps, to the full satisfaction of the Commissioner of VMC has been taken or not will be that the Commissioner of VMC. For the purpose of arriving at such decision as a fore said, it will be open to the Commissioner of VMC to - take assistance of such technical people as may be available and it will be also open to the Commissioner of VMC in case he so desires, to delegate this power to a subordinate, like the City Engineer, to take appropriate decisions and the decisions referred to above will be deemed to be properly taken and as if taken by the Commissioner of VMC. In the eventuality of M/S. _____not taking remedial action to the atmost satisfaction of the Commissioner of VMC the VMC, will be entitled to get the work done itself or from other sources. On the Commissioner of VMC notifying to us the total expenses incurred for the purpose we hereby expressly undertake the pay to VMC the- said amount forthwith and in any case not later than 7 days from such intimation. We shall accept as final and binding the amount indicated by the Commissioner of VMC and our obligation to pay such amount will be a continuing obligation irrespective of any dispute or difference that may arise between us and M/S. _____of between VMC and M/S._____

3. The contract value is Rs. _____This PERFORMANC GUARANTE Eislimited to 5% of the said contract value and accordingly it comes to Rs._____ our liability will in all cases be limited to Rs. _____.

4. We agree and undertake that this PERFORMANCE GUARANTEE will be valid for a period of 5 years from the date issuance of completion certificate to M/S.
Or The commissioner of VMC will notify such completion date to us.

In case no such completion date is notified, this PERFORMANCE GUARANTEE will be valid for 5 years from the date of execution of this document. This PERFORMANCE GUARANTEE will come into effect from such completion date. In case however, the contract consists of several parts it will be open to the Commissioner to indicate separate completion dates for separate parts, and to simultaneously indicate a break up of the contract value equivalent to the separate parts in, which case the PERFORMANCE GUARANTEE to the extent of the different contract values will come into operation on such different completions date. It is expressly understood on that in considering this period of 5 years, the date by which the Corporation intimates the Bank about the losses, damages or problem as the case may be, shall be considered and as long as such intimation is within a period of 5 years from the completion date, we the Bank will be liable irrespective of whether the remedial actions or lack there of has taken place after the period of 5 years.

5. We _____Bank agree that the PERFORMANCE GUARANTEE

Which is a continuing guarantee, will be binding and enforceable against us irrespective of any difference or dispute between VMC and M/S. _____or between us and M/S._____

_____and irrespective of any change or variation or extension of time or any for bearance or waiver made or granted by VMC to M/S. _____.

1. In case any disputes arise as to the interpretation or implementation of this PERFORMANCE GUARANTEE THE MATTER shall be referred to the sole arbitration of the commissioner of VMC, whose decision in the matter will be final. In case any recourse to any court. of law is necessitated. the appropriate Civil Court at Vadodara alone will have jurisdiction Vadodara.
2. **We agree and undertake to repaint the entire building exteriorly and interiorly at the last month of the 5thYear of period of Performance Guarantee without any extra payment from VMC.**
3. **We agree and undertake to repair any leakages occurred during the entire period of Performance Guarantee (5 years).**

This performance Guarantee shall be from Scheduled Bank /RBI Approved bank as per Annexure VII only.

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Annexure III

BANK GAURANTEE FOR EARNEST MONEY DEPOSIT

Whereas _____(hereinafter called the bidder) has submitted his bid date_____for the _____(here in after called "the bid") Know all Men by these presents that we _____(here in after called "the Bank") are Bound in to Municipal Commissioner, VMC (here in after called "the Employer") in the sum of Rs._____

For which payment will and truly to be made to the said Employer the bank him self, his success and assigns by these presents.

SEALED with the common seal of the said Bank this _____day of _____20___.

THE CONDONES of these obligations are:

1. If the bidder with draws his Bid during the period of bid validity specified in the Tender, or
2. If the Bidder does not accept the correction no farithmeticalerrors of the Bid prices, or
3. If the Bidder having been notified of the acceptance of his Bid by the Employee/ during the period of bid validity.
4. Fail sor refused to execute the form of Agreement in accordance with the Tender conditions, if required, or
5. Fail sor refuse to furnish the Security Deposit, on accordance with the Tender conditions.

We under take to pay the Employer up to the above amount up on receipt to this, first Written
demand, with out the Employer having to sustain able his demand, provided that in his demand the employer will note that the amount claimed by him is due to him owing to the occurrence of one or any of the conditions, specifying the occurred conditionor conditions,

The Guaranteed will remaining force up to and including the date of 180 (one hundred eighty) days after the deadline for submission of bids as such deadline is stated in the tender documents. Any demand in respect of this Guarantee should reach the Bank not later than the above dated.

NOT WITH STANDING anything contained here in above:

1. Our liability under the Guarantee shall not excess its----------

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Sign of Contractor/DeveloperPage6

2. The Bank Guarantee shall be valid up to and including----------

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-

3. We shall be liable to pay the guarantee amount or any part the re funder this \bar Guarantee only and only if you serve upon us a written claim or demand on before

---------- DATE -------

SIGNATUREOFTHEBANK----------

SEALOFTHEBANK----------

SIGNATUREOFTHEWITNESS----------

Name and Address of the witness----------

Annexurel

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

The Agreement made this…….day of..... Two thousand and

……between…….son of …… (Hereinafter called the GAURANTOR of the one part) and the VADODARA MUNICIPAL CORPORATION (here in after called the VMC of the other part) WHEREAS THIS Agreement is supplementary to a Contract (Here in after called the Contract) dated… And made between the GAURANT OR OF THE ONE partand the
VMC of the other part, whereby the Contractor, inter-alia, undertook to render the buildings and structures in the said Contract recited completely water and leak-proof.

AND WHEREAS THE GAURANTOR agreed to give a GAURANTEE to the effect that the said structures will remain water and leak- proof for Ten years to be reckoned from the date after the Maintenance Period prescribed in the Contract.

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

Provided that the GAURANTOR will not be responsible for leakage caused by earthquake or misuse of roof or alteration and for such purpose:

1. Misuse of roof shall mean any operation which will damage water proofing treatment, like chopping of firewood and things of the same nature, which might cause damage to the roof;
2. Alteration shall mean construction of an additional storey or a part of the roof or construction adjoining to existing roof whereby water proofing treatment is removed in parts;
3. The decision of the Engineer-in-charge with regard to cause of leakage shall be final. During this period of GAURANTEE, the GAURANTOR shall make good all defects and in case of any defects being found, render the building water proof to the satisfaction of the Engineer-in-Charge at his cost and shall commence the work for such rectification within seven days from the date of issue of thenotice from Engineer-in-Charge calling upon him to rectify the defects failing which the work shall be got done by the Department by some other Contractor

at the GAURANTOR'S risk and cost. The decision of the Engineer-in-Charge as to the cost, payable by the GAURANTOR shall be final and binding.

That if, GAURANTOR fails to execute the water proofing or commits breach there under then the GAURANTOR will indemnify the principal and his successors against all loss, damage, cost, expense or otherwise which may be incurred by his by reasonof any default on the part of the GAURANTOR in performance and observance of this Supplementary Agreement. As to the amount of loss and/or damage and/or cost incurred by the VMC, the decision of the Engineer-in-Charge will be final and binding on the parties.

IN WITNESS WHEREOF these presents have been executed by the Obligor _____and by _____and for an on behalf of the VADODARA MUNICIPAL CORPORATION, on the day, month and year first above written. SIGNED, SEALED AND DELIVERED BY OBLIGATOR IN THE PRESENCE OF –

E) _____

F) _____

SIGNED FOR AN ON BE HALF OF THE VADODARA MUNICIPAL CORPORATION BY

_____In the presence of –

1. _____
2. _____

[redacted]

કામનુ નામ:- **AS PER NIT**

શાખા: બિલ્ડીંગ પ્રોજેક્ટ શાખા

કરાર

અમો પક્ષકારો વડોદરા મહાનગર પાલિકા, ખંડેરાવ માર્કેટ બિલ્ડીંગ, રાજમહેલ રોડ, વડોદરા વતી મ્યુનિસિપલ કમિશ્નશ્રી જેઓનો હવે પછી મહાનગરપાલિકા તરીકે ઉલ્લેખ કરાશે અને તેમના એડ્મીનીસ્ટ્રેટર, સક્સેસર વિગેરેનો સમાવેશ થાય છે તથા બીજા પક્ષે મે.....

અનેતેનાપ્રોપ્રાઈટર,ઠે..... જેમનો હવે પછી ઈજારદાર તરીકે ઉલ્લેખ કરાશે તેમના કાયદેસરનાં વંશ, વાલી, કાયદેસરનાં ટ્રાન્સફરીઝ, એસાઈનીઝ, એક્ઝીક્યુટર વિગેરે તમામનો સમાવેશ થાય છે. તેમની વચ્ચે ભાવપત્ર તથા પત્રની શરતો, સ્પેશિફિકેશનની શરતો વિગેરે ઉપરાંત નીચે જણાવેલ શરતો મુજબ કરાર કરવામાં આવે છે.

વડોદરા મહાનગર પાલિકામાં વડોદરા શહેરમાં આવેલ સરદાર માર્કેટ ખાતે જન્મ મરણ શાખા અને અન્ય વિભાગો ની ઓફીસની નવીન કચેરી બનાવવાનું કામનું ભાવપત્ર ઈજારદારનાં નામે સ્થાયી સમિતિ ઠરાવ અ..... તા._ /_ / ૨૫ થી રૂ...../- નું મંજુર થયેલ છે. ઉપરોક્ત ઈજારદાર સાથે ભાવપત્ર, સ્પેસીફીકેશન, વર્કઓર્ડર,વિગેરે ઉપરાંત નીચે જણાવેલ શરતો અંગે કરાર કરવામાં આવે છે.

(૧)જે ઇજારદારનું ભાવ પત્ર મંજુર કરવામાં આવ્યું હોય તેણે ભાવપત્ર મંજુર કર્યાની ખબર આપ્યાની તારીખથી એક અઠવાડિયાના મુદ્દતમાં જો મહાનગરપાલિકાને જરુર લાગે તો આ શરતો પર યોગ્ય સ્ટેમ્પ લગાડી સહી કરી આપવી જોઇએ અને તે કરાર તરીકે ગણાશે તેમજ તેની કરારની શરતો પુરેપુરી પાળવાની જવા

સુધીની (બાનાતરીકે આવેલ બે ટકા સાથે) અનામત ભરી દેવી જોઇએ અગર કામના ચાલુ દેવાયાદીઓ (બીલો) માંથી દસ ટકા રકમ કાપી અનામત આપવી પડશે. ઉપર દર્શાવેલી
મુદ્દતમાં આ પ્રમાણે કરવામાં નહીં આવે તો ભાવપત્ર સાથે રજુ કરેલી બે ટકાની અનામત જપ્ત થવાને પાત્ર થશે તેમજ ઇજારદારોનું રજીસ્ટ્રેશન નામોની યાદીમાંથી સદરહું ઈજારદારનું નામ કમી થવાને પાત્ર થશે.

(૨) ભાવ પત્ર માં કામ પુરું કરવાની દર્શાવેલી મુદ્દતમાં ઇજારદારે ચોક્કસપણે કામ પુરું
કરવું જોઇએ અને ઠરેલી મુદ્દતમાં કામ પુરું કરવાની ઠરેલી તારીખ પછી જેટલો સમય વધુ થાય તેટલા સમયના પ્રતિ દિવસ ૦.૦૫% પરંતુ વધુમાં વધુ ૧૦% સુધીના ભાવપત્રની રકમનો દંડ (લીકવીડીટી ડેમેજ તરીકે) વર્ક ઓર્ડર આપ્યા તારીખના દિન૭ થી ગણવામાં આવશે.

(૨)(૧) ભાવ પત્ર માં જણાવેલું કામ શરૂં કર્યાનું જેતે તારીખથી ઇજારદારને દિન-૭માં લેખીત જાહેર કરવું પડશે. તે પ્રમાણે નહીં થયેલું જણાયેથી નીચે મુજબ દંડ લેવામાં આવશે. (તા. ૧-૪-૧૭થીઅમલમાં) મંજૂર થયેલ દરો નીચે પ્રમાણે છે.

૧થી૭ દિવસરૂ.૧૦૦૦/-

૮થી૧૫દિવસરૂ. ૧૫૦૦/-

૧૬થી૩૦દિવસરૂ. ૨૦૦૦/-

૩૦દિવસથીવધુરૂ.૫૦૦૦/-

કરારનીશરતનં-૩નીપ્રથમલીટીમાંવડોદરામહાનગરપાલિકાના બાંધકામઅધિકારીનેશબ્દોના

બદલેસંબંધકર્તાબાંધકામશાખાના અધિકારીનેજેમનેહવેપછીબાંધકામઅધિકારી કહેવાશે.

(૩) ચાલુકામમાંજોવડોદરામહાનગરપાલિકાનાબાંધકામ અધિકારીનેલાગેકેઇજારદારનિરર્થકકામ લંબાવ્યાકરેછે.અગરતેઠરેલી મુદ્દતમાં અથવાજેપ્રમાણેકામનહીંકરીશકેએવો સંભવ છે, તોખાતાનોકરારરદકરવાનોઅગરકરારદારને
સૂચનાઆપ્યાસિવાયકરારદારનેખર્ચેઅનેજોખમેવડોદરામહાનગરપાલિકાનાહિતઅનેસગવડનીદ્રષ્ટિએ કામપુરુકરાવીલેવાનોઅધિકારરહેશેઅનેકરા
રદારનેસદરહુંકામઅંગેસ્થળપરમાલસામાનએકત્રકર્યાહોયઅગરબીજકોઇજાતની જવાબદારીમાથે લીધીહોયતેમાંથીઉત્પન્નથતીખોટ માટેનુક્શાની માગવાનોહક્કરહેશેનહીંઅનેઆવા પ્રસંગેએટલેકામ બીજીરીતેપુરુંકરવાનુંહોયત્યારે વડોદરામહાનગરપાલિકાનેકામપુરું કરતાં જેવિશેષખર્ચ થાય તેમાંથી કાપી લેવાની વડોદરા મહાનગર પાલિકાના બાંધકામ અધિકારીને સત્તા રહેશે અને દર્શાવ્યા પ્રમાણે કરાર રદ કરવામાં આવે તે પ્રસંગે વડોદરા મહાનગર પાલિકાના બાંધકામ અધિકારીથી કેટલું અને કેટલી કિંમતનું કામ થયું છે તે સંબંધી પ્રમાણપત્ર ન આપે ત્યાં સુધી કરારદારને કોઇ રકમ વસુલ કરવાનો હક્ક રહેશે નહીં. અગર તે સંબંધી નાણાં અદા કરવામાં આવશે નહીં અને જ્યારે કરેલા કામની કિંમત આપવામાં આવે ત્યારે વડોદરા મહાનગરપાલિકાના બાંધકામ અધિકારીએ આપેલા પ્રમાણપત્રમાં દર્શાવેલી રકમ ન અદા થવાને પાત્ર થશે.

૪) ઉપર કોલમમાં દર્શાવેલો અધિકાર આપવાના પ્રસંગે વડોદરા મહાનગર પાલિકાના બાંધકામ અધિકારીને જરૂર લાગે તો કામ કરવાના સ્થળે અગર તેની આજુબાજુની જમીન પર પડેલો માલ સામાન હથિયાર વિગેરે પુરેપુરો અગર અંશત: પોતાને કબજે લઇ કરારમાંદર્શાવેલ ભાવ મુજબ અગર તેના ભાવે ચાલુ ભાવ પ્રમાણે તેના નાણાં અદા કરી શકશે તે પ્રમાણે જરુર ન
લાગે તો ઇજારદારે આવો માલસામાન હથિયાર વગેરે સ્થળ પરથી ખસેડવા જોઇએ અને તે પ્રમાણે

ખસેડવામાં ન આવે તો બાંધકામ અધિકરી ઇજારદારના ખર્ચે ખસેડી શકશે. અગર હરજીથી તેનું વેચાણ કરી તેનું ઉત્પન્ન ઇજારદારને મજરે આપશે અથવા બાંધકામ અધિકારી આવો માલસામાનનો તેનો કંઇક ભાગનો અગર જામીનગીરીનો અગર અનામત રાખેલા પૈસાનો અગર ઇજારદારને અદાપાત્ર થયેલી અગર થનારી કોઇ રકમનો પુરેપુરો અગર જરુર લાગે તો તેટલો ઉપયોગ ઇજારદારને કરેલા ખરાબ અથવા મનસ્વી રીતે કરેલા કામને સુધારવા પોતાને યોગ્ય લાગે એવી રીતે કરી શકશે.

(૫) ઇજારદારને ચાલુ કામમાં એવી હરકત નડે કે કામ પુરું કરવામાં વિશેષ સમયની અપેક્ષા રહે તો હરકતની તારીખથી એક માસની મુદ્દતમાં તેણે બાંધકામ અધિકારી તરફ અરજી કરવી જોઇએ. અને જો તેમણે સબબ કારણો લાગે તો યોગ્ય વધુ મુદ્દત આપી શકશે પરંતુ આ પ્રમાણેની બાંધકામ અધિકરી તરફથી મળેલી લેખીત હુકમ સિવાય ઇજારદારના કરારની શરતોની કલમ ૨ મુજબ જો ઠરેલી મુદ્દતમાં પુરું ન થાયતો વધુ મુદ્દત માટે દંડને પાત્ર થતી રકમ ભરવાના જવાબદારીમાંથી મુક્ત થઇ શકશે નહિ.

(૬) જ્યાં ઇજારદારે પાલખ, બધારવાનો કચરો તેમજ છરુ વિગેરે દુર કર્યા ન હોય તેમજ મકાનને દુરસ્તી કરવાનું કામ અગર એવું બીજું કામ સુપ્રત કર્યું હોય તેમાં લકડા કામ બારણાઓ, બારીઓ, દિવાલ, માલના નળિયાની ફરસંબંધના અગર મકાનના કોઇપણ ભાગ પર ડાઘ ડુધ સાફ કરે નહીં ત્યાં સુધી કોઇપણ કામ પુરું થયું છે એવું માની શકશે નહીં. જો ઇજારદારને ખર્ચ પ્રમાણે કામ પુરું કરી સુપ્રત કરતાં પૂર્વ ચોખ્ખું કરવામાં કસુર કરશે તો બાંધકામ અધિકરી ઇજારદારને ખર્ચે આ પ્રમાણે કરાવી શકશે.

(૬/(અ)) ઈજારદાર દ્વારા આ કામે બાઉન્ડ્રી /કમ્પાઉનડ વોલ પર વીએમસી ના કિસ્સા માં દીવાલ પર **VMC** નો નામ/લોગો પ્લાસ્ટર ની સાથે સ્પષ્ટ રીતે દ્રશ્યમાન થાય તે રીતે ઉપસાવવાની કામગીરી એન્જીનીઅર ઇન્ચાર્જ સૂચવે તે મુજબ **drawing** મંજુર કરાવી તે મુજબ જ કામગીરી કરવી

(૭) રુ.૫૦૦/- રૂપિયા પાંચસો સુધીના કામના ખરચી રકમ કામો પુરા થઇ પસંદ થયા સિવાય અદા થઇ શકશે નહિ અને રુ. ૫૦૦/- રુપિયા પાંચસોમાંથી અધિક અંદાજવાળા કામોમાં થયેલા કામ પુરતાં તેમજ ઇજારદારને ખાતાને જે અમલદારની સુપ્રતમાં કામ હશે તેવા અમલદારે આપેલા માપ મુજબ માસિક દેવા યાદી રકમ આ થઇ શકશે પરંતુ આવી ચાલુ કામમાં આદા થયેલ રકમો કામ ખરેખરી રીતે પુરું થયું એ હિસાબે આપવામાં આવી છે તે પ્રમાણે અ ગણતાં માત્ર છેવટ હિસાબની શરતે આ થઇ છે. (**Payment on Account)** એ પ્રમાણે ગણવામાં આવશે.

(૮) કોઇપણ કામના નાણાં તે કામ સંપૂર્ણ રીતે સારું અને વર્ણન પ્રમાણે હોયા વગર અદા કરવામાં આવશે નહિં. એ કદાચ શરતચૂકથે ખરાબ કામ પસંદ કરવામાં આવી નાણાં આપવામાં આવેલ હોય તો તેને ભવિષ્યમાં કોઇપણ હિસાબમાંથી બાતલ કરી તેના આ થયેલા નાણાં છેવટનો દાખલો આપતી વખતે વસુલ કરવા હુકમ કરવા બાંધકામ અધિકરીને સંપૂર્ણ અધિકાર છે.

(૯) જ્યારે કોઇપણ અંદાજપત્રમાં અગર શરત પત્રકમાં (સ્પેસીફીકેશન) વડોદરા મહાનગર પાલિકાની વખારમાંથી અમુક જાતનો માલસામાન આપવામાં આવશે. અગર ઇજારદારે વડોદરા મહાનગર પાલિકા તરફથી આપવામાં આવનાર માલસામાન વાપરવો જોઇએ એવું ઠરેલું હોય ત્યારે તે અંદાજપત્રક સાથે આપવામાં આવનાર માલસામાન તપસીલનો ભાવ તથા આપબાનો જગો વિગેરેની વિગતસહનું પત્રક સામેલ રાખવું જોઇએ અને એકંદરે આપેલા માલની કિંમતના નાણાં ઇજારદારે અદા થવાના નાણાની દેવાયાદીમાંથી અગર લહેણામાંથી અંદાજપત્રમાંથી દર્શાવેલ દરને પ્રમાણે અગર અંદાજ અંદાજપત્રકના અભાવે ઇજારદારે સહી કરેલા પત્રકમાંના દરને ધોરણે વસુલ લેવામાં આવશે. ઇજારદારને આપવામાં આવેલ તમામ માલસામાન મહાનગરપાલિકાની મિલ્કત ગણવામાં આવશે અને તે કોઇપણ કારણે કામ ઉપરથી લઇ જઇ શકશે નહીં. તેમજ મહાનગર પાલિકાના બાંધકામ અધિકારી ગમે તે વખતે તપાસી શકશે. આવી

રીતે આપેલા માલસામાન પૈકી કામ પુરું થયે અગર ઇજારો રદ કરવાના પ્રસંગે જે કંઇ માલસામાન વધે તે બાંધકામ અધિકારી જરૂર જણાય વખારમાં પાછો લેવામાં ઇતર પ્રસંગે વધેલો સામાન ઇજારદાર પરત કરી શકશે નહીં અગર તેના અંગે કોઇપણ જાતની નુકશાની માંગી શકશે નહીં. વડોદરા મહાનગર પાલિકા તરફથી ઇજારાથી આપવામાં આવતાં કામો કરવા જો કોઇપણ પ્રકારનો માલસામાન કોન્ટ્રાક્ટરને આપવામાં આવે તે તમામ માલસામાન બદલીની સહી તેઓ અગર તેઓ નીમે તે પ્રતિનિધિએ રજીસ્ટરમાં કરી આપવાની રહેશે. (સ્ટે.ક.ઠ.નં. ૮૦૭/તા. ૨૯.૧૧.૧૯૭૩)

(૯/૨) સદરહું માલસામાન સાચવવાની તેમજ ગેરઉપયોગ ન થાય તે બાબતની તમામ પ્રકારની જવાબદારી કોન્ટ્રાક્ટરના શીરે રહેશે. માલમાં કોઇપણ પ્રકારની ચોરી અગર નિષ્કાળજીના પરિણામે ઘટ આવશે અથવા માલનું નુકશાન થશે તેની જવાબદારી કોન્ટ્રાક્ટરની છે અને રકમ કોન્ટ્રાક્ટર પોતાના પદરની આપવાની રહેશે તેમજ બીલમાંથી તે કપાત કરી લેવામાં આવશે. (સ્ટે.ક.ઠ.નં. ૮૦૭/તા. ૨૯.૧૧.૧૯૭૩થી મંજુર)

(૧૦) ઇજારદારે તમામ કામ સંગીન સારી કામાગીરીથી કરવું જોઇએ અને શરતપત્રમાં જણાવેલ વર્ણન પ્રમાણે માલસામાન વાપરવો જોઇએ તેમજ ઇજારદારને જાણવા માટે મહાનગર પાલિકાનાં બાંધકામ અધિકારીના સહીથી રાખેલા કામને લગતા નક્શાઓ, સૂચનાઓનો ચુસ્તરીતે અમલ કરવો જોઇએ. જ્યારે નક્શા, અંદાજ અને સ્પેસીફીકેશનમાં માપો જથ્થાની વિસંગતિ હોય ત્યારે નક્શા, અંદાજ અને સ્પેસીફીકેશનના અનુક્રમ પ્રમાણે કામ કરવાનું છે. પરંતુ માપો અને જથ્થામાં ભૂલ થયેલી ના હોય અને વર્ણનની વિસંગતિ હોય તો અંદાજ, નક્શા અને સ્પેસીફીકેશનના અનુક્રમ પ્રમાણે કામ કરવાનું છે. વર્ણન ખામીવાળું અથવા અસ્પષ્ટ હોય ત્યારે બાંધકામ અધિકારીએ કેવી રીતે કામ કરવું તે બાબતની સૌથી ઉત્તમ પ્રથા ધ્યાનમાં રાખીનેસૂચના આપી અને ઇજારદારે તે પ્રમાણે કામ કરવું જોઇએ. નક્શો અને સ્પેસીફીકેશનમાં દેખાતી ભૂલો ક્ષતિઓ હોય તો કરાર ધ્યેયને લક્ષમાં રાખી બાંધકામ અધિકારી આ ભૂલો અને ક્ષતિઓ સુધારી શકશે. નક્શા, અંદાજ અને સ્પેસીફીકેશનમાં માપો, જથ્થો અને વર્ણનની વિસંગતિ સિવાયની ખામીવાળું વર્ણન અને સ્પષ્ટતઓ

માટે સીટી એંજીનીયરનો નિર્ણય છેવટનો ગણાશે અને ઇજારદારને તેવા પ્રમાણે કરવું પડશે.

(૧૧) અંદાજ પત્રમાં બતાવેલા માપો ફક્ત અંદાજ હોય તેમાં કામની જરુરીયાત પ્રમાણે વધઘટ થવાને પાત્ર છે.

(૧૨) યોગ્ય અધિકારીના હુકમથી વડોદરા મહાનગર પાલિકાનાં બાંધકામ અધિકારીને કામના નક્શા મૂળ ખત પત્ર સ્પેસીફીકેશન વિગેરેમાં જરુરી તે ફેરફાર તેમજ સુધારો વધારો કરવાનો ચાલૂ કરવામાં અધિકાર છે તેમજ કામની સ્થિતિને અનુસરીને સૂચના વગેરે આપી શકશે, અને આવી રીતે લેખિત આપેલી સુચના પ્રમાણે કામ કરવા ઇજારદાર બંધાયેલ છે, આવા ફેરફારથી મૂળ કરાર રદ થયેલ ગણવામાં આવશે નહીં. આવી રીતે ભાવ પત્રકમાં દર્શાવેલા માપના કરતાં વધુ કામગીરી અગર નહીં દાખલ કરેલ રકમનું કોઇપણ કામ (**Extra item)** કામના ભાગ તરીકે ઇજારદારને સુપ્રત કરવામાં આવે તે કામ તેમણે મૂળ કામ માટે મુકરર થયેલી તમામ શરતોને અનુસરીને તથા ભાવ પત્રમાં નમુદ કરેલાભાવથી કરવા પડશે અને કામ પુરું કરવાની મુદ્દત વધુ આપેલ કામના મૂળ કામ સાથેના પ્રમાણોનુસાર વધારવામાં આવશે. અને આ પ્રમાણે માટે બાંધકામ અધોકારી જે દાખલો આપે તે બંધન કર્તા ગણાશે.કરારની બહારની રકમનું વધારાનું કામ પ્રમાણભૂત ભાવ પત્રક (**Schedule Rates)** માં દાખલ કરેલા ભાવો પ્રમાણે કરવું પડશે અને તેમાંથી કરાર પ્રમાણે મૂળ કામના ભાવ માટે જે ટકા બાદ કરવાના ઠરેલ હોય તેટલા ટકા બાદ કરવામાં આવશે. અને આવા પ્રમાણભૂત ભાવ પત્રકમાં જ ટકા રકમ (**Item)** દાખલ ન થયેલી તેના ભાવ યોગ્ય અધિકારી તરફથી મંજુર થાય તે જો ઇજારદાર આથી વધારાની રકમનું કામ કરવા કબૂલ હોય તે ઇજારદારે સ્વીકારવું જોઇએ. આવા ભાવ ટકાની કપાતોપાત્ર નહીં એવી રીતે નિવળ મંજુર કરવામાં આવશે અને જો ઇજારદાર પ્રમાણભૂત ભાવપત્રમાં જેનો સમાવેશ કરેલો ન હોય તેનું વધારાનું કામ કરવા ખુશી ન હોય તો મહાનગર પાલિકા બાંધકામ અધિકારી આવા બાંધકામ માટે નિયમ પ્રમાણે યોગ્ય તજવીજ કરી શકશે.

(૧૩) શરત પ્રમાણે ઠરેલા કામો પૈકી કોઇના માપ અગર સ્થળની સ્થિતિમાં ફેરફાર કરવાનો તે પૈકી

કોઇના કામ અગર તેનો ભાગ કમી કરવાનો અગર કરારદાર પાસેથી બદલામાં બીજુ આપીને આપ્યા વગર કાઢી લેવાનો અથવા કોઇ પુરું અગર અંશત: કરેલું કામ કાઢી નાખવાનો અગર તેમાં ફેરફાર કરવા મહાનગર પાલિકા બાંધકામ અધિકારીને અધિકાર છે. કામનો કોઇ ભાગ કરારદાર પાસેથી કાઢી લેવામાં આવે તે પ્રસંગે તેટલું કામ ન કરવાના અગર કાઢી લેવાના સબકથી કોઇપણ જાતની નુક્શાની માંગી શકશે નહીં.

(૧૪) જો વડોદરા મહાનગર પાલિકા બાંધકામ અધિકારી સાહેબે અગરતો તેમના નાયબને કામ બદલ અધુરું અગર બીન સફાઇવાળી કામગીરીથી કરેલાનું જણાય અગર હલકી જાતનો માલસામાન વાપરવાનું જોવામાં અગર તો તમામ કામ અગર તેનો ભાગ ઇજારદારને કામની જરુરીયાત પ્રમાણે દુરસ્ત કરવા, કાઢી નાખવા અગર ફરીથી કરવા લેખી સુચના આપી તે ઉપરથી ઇજારદારે તે પ્રમાણે પોતાના ખર્ચે કરવું જોઇએ. અને આવી રીતે બાંધકામ અધિકારી અગર તેમના નાયબે આપેલી મુદ્દત અંદર જો ઇજારદાર ખર્ચ કરવા ઇન્કાર કરે અગર કામની સ્થળ સીમા ઉપરથી કોઇપણ જાતનો માલસામાન તથા જણસો જે હલકી ખરાબ (બીન મજબૂત તથા ઇજારાની શરતો વિરુધ્ધ) હોય એવી આપેલી મુદ્દત અંદર દૂર કરવા બાંધકામ અધિકારી પુર્તતા કરી લઇ તેના ખર્ચની રકમ ઇજારદારની કોઇપણ પ્રકારની લ્હેણી રકમો વસૂલ કરી શકશે.

(૧૫) જો વડોદરા મહાનગર પાલિકા બાંધકામ અધિકારીને થયેલું કામ એકમ શરત પત્ર (**Specification)** પ્રમાણે થયેલું નથી પરંતુ તે કામ ચાલવા દેવું એવું લાગે તે માટે તેમને યોગ્ય લાગે તે ભાવ કાપી નાણાં અદા કરવા તેમને અધિકાર છે. પણ આવી રીતે કરવું કે ન કરવું તેમની મરજી ઉપર છે.

(૧૬) ઇજારદારથી આપેલા તમામ ચાલતા કામો વડોદરા મહાનગર પાલિકા બાંધકામ અધિકારી તથા તેમના નાયબો દેખરેખ રાખી તપાસી શકશે. ઇજારદારે હંમેશા જ્યારે કામ પર પોતે હાજર રહી શકે તેમ ન હોય ત્યારે પોતાના જવાબદાર પ્રતિનિધિને કામની હંમેશની વખતે અને જ્યારે બાંધકામ અધિકારી તરફથી અગર તેમના નાયબ અધિકારી તરફથી સુચના મળે તેમની સુચનાઓ તથા હુકમ

લેવા દરેક વખતે હાજર રાખવા જોઇએ અને એવી રીતે રખાયેલા પ્રતિનિધિને જે કાંઇ હુકમો આપવામાં આવે તે ખૂદ મૂળ કોંટ્રાંક્ટરને આપવામાં આવેલા હુકમો પ્રમાણે જ બંધનકારક ગણવામાં આવશે.

(૧૭) વડોદરા મહાનગર પાલિકા બાંધકામ અધિકારી તરફથી જણાવવામાં આવે તે વખતે કામની તપાસણી અંગે જોઇતા હથિયારો મજુરો વિગેરે તમામ ઇજારદાર તરફથી પોતાના ખર્ચે આપવામાં આવશે અને જો આવી રીતે ઇજારદાર આપવામાં ચૂકે તો ઇજારદારના ખર્ચે કરી લેવા અને થયેલા ખર્ચ તેના અદા થવાની નાણાની દેવાયાદીમાંથી વસુલ થઇ શકશે.

(૧૮) જ્યારે કામનો કોઇપણ ભાગ ઢંકાઇ જવાનો હોય અને જો તેના માપ લઇ શકાય એવી સ્થિતિ બહાર જતાં હોય ત્યારે કામ ઢંકાઇ જતાં પહેલા તેના ખરા માપો લઇ શકાય ત્યે અર્થે આવા કામો ઢંકાતા પહેલા ઇજારદારે મહાનગર પાલિકા બાંધકામ અધિકારી અગર તેમના નાયબને નિદાન સાત દિવસની લેખિત સુચના આપવી જોઇએ. અને થયેલું કામ ઢાંકી તેમની લેખિત પરવાનગી મેળવવી જોઇએ. જો ઉપર પ્રમાણે વર્તન કરવામાં ચૂકે તો બાંધકામ અધિકારીને યોગ્ય લાગે તો ઢાંકેલા ભાગ ઇજારદાર ખર્ચ ઉઘડાવી શકશે અગર તેના ખર્ચે એવા કામ તથામાલસામાન બદલ નાણાં અદા કરવામાં આવશે નહીં.

(૧૯) જો ઇજારદાર અગર તેના કામ ઉપરના માણસો જે કામ ઉપર તે કામ કરતાં હોય તે મકાનના કોઇપણ ભાગમાં અથવા મકાનને રસ્તાને બંધન અગર ઘાસ ઉગેલી જમીનને અગર વાવેતર કરેલી જમીનને તોડે, બગાડે અગર નુકશાન પહોંચાડે અગર કામ ચાલુ હોય તે વખતે કોઇપણ કારણથી તે કામને કંઇ પણ નુકશાન પહોંચે અગર તો કામ પુરું થવાની તારીખથી એક વર્ષની ખામી જણાઇ આવે તો તેણે પોતાના ખર્ચે દુરસ્ત કરી આપવી પડશે નહીં તો મહાનગર પાલિકાના બાંધકામ અધિકારી બીજા કરીગરો પાસેથી દુરસ્ત કરાવી લેશે અને થયેલો ખર્ચ ઇજારદારની લ્હેણી નીકળતી હોય અગર મહાનગરપાલિકા ત્યાર પછીથી થાય તે રકમમાંથી વસુલ કરી શકશે.

(૨૦) ઇજારદારે પોતાના ખર્ચે રાખેલું કામ પુરું કરવા માટે જોઇતા સર્વ હથિયારો, સાધનો, નિશાનીઓ, દોરડીઓ, પાલખ વિગેરે પૂરા પાડવા અને લાવવા લઇ જવા માટેનો ખર્ચ પણ પોતે વેઠવો જોઇએ, તેમજ તેણે કામનું માપ અગર માલસામાનનું માપ લેવા વજન કરવા અગર કામના આલેખને

(**Linecut)** કરવામાં જે સાધનની જરુર પડે તે કંઇ પણ ખર્ચ લીધા વગર આપવી જોઇએ. કોઇના જાનમાલને નુક્શાન ન પહોંચે તે સારું જોઇતી વાડ અને બત્તીઓની ગોઠવણ કરવી પડશે. સગવડો નહીં રાખવા બદલ દરેક ખામી દીઠ રોજના રુ. ૨/- થી રૂ. ૫/- સુધીનો દંડ કરવામાં આવશે, ખામી બદલની સુચના આપ્યા સિવાય પણ મહાનગર પાલિકા તરફથી તે બલની વ્યવસ્થા કરી તેનો ખર્ચ કોંટ્રાક્ટરના બીલમાંથી વસૂલ કરવામાં આવશે. (સ્ટે.ક.ઠ.નં. ૮૦૭/તા. ૨૯.૧૧.૧૯૭૩થી મંજુર) તેમજ કામ ઉપર દેખરેખ રાખનાર મહાનગરપાલિકાના મહેકમ અગર કામ કરનાર મજુરો પૈકી કોઇને પણ મશીનથી અગર ઇત્તર કોઇપણ પ્રકારે
અકસ્માત થઇ નુક્શાન થશે તો તેની તમામ જવાબદારી ઇજારદારને શીરે રહેશે. આવા પ્રસંગે દાવો અથવા ફરિયાદ થશે તો તેનો બચાવ કરવામાં અગર ન્યાયની અદાલતમાં લડવા માટે ખર્ચ તે તેણે સોંસવો પડશે અને તે માટે નુક્શાની અગર ખર્ચ આપવા હુકમ થાય તે આપવો પડશે.

(૨૧) વડોદરા મહાનગર પાલિકાના બાંધકામના અધિકારીની લેખિત સંમતિ વગર બીજ નામોમાં બદલો કરી શકાય નહીં અગર બીજા ઇજારદરને પેટ ઇજારો આપી શકાય નહીં. આ પ્રમાણે સંમતિ લીધા વગર ઇજારદાર મોં બલી કરે અગર પેટ ઇજારો આપે તો તણે ઇજારદારની શરતનો ભંગ કરેલો ગણવામાં આવશે અને મહાનગર પાલિકાના બાંધકામના અધિકારી તે ઉપરથી ઇજારો રદ કરી શકશે. અને ઇજારદારે ભરેલી તારણ પેટે રજુ કરેલા અનામત મહાનગરપાલિકામાં જમા **98** પાત્ર થશે. અને તે મહાનગર પાલિકાને સ્વાધીન રહેશે અને ઇજારદારે એકઠા કરેલ માલસામાનથી અગર તે માટે માથે લીધેલી જવાબદારી ઇજારદારને નુક્શાન થાય તે માટે વળતર માંગબાની હક્ક તેને રહેશે નહીં.

(૨૨) ભાવપત્રો ઉપર જે ઇસમો સહી કરે તેમની જવાબદારીથી મંડળના ભાગીદારોમાં ફેરફાર થબાથી નષ્ટ થતી નથી આવા ફેરફાર બાબત ઇજારદારે બાંધકામ અધિકારીને લેખિત ખબર આપવી જોઇએ.

(૨૩) કામ પુરું કરવા માટે તારણ કરવા મુકેલી અનામતની રકમ એટલે કે ૨% મુજબની અનામત કામ પુરું થયા પછી છેવટનો હિસાબ થઇ કામ પૂરું થવાનો દાખલો મળ્યા પછી એક વર્ષ સુધી કામની

૨ ટકાની અનામત મહાનગર પાલિકા તરફ રાખી મુકવામાં આવશે. આ શરતો ખાસ સંપૂર્ણ દુરસ્તીના કામોને લાગુ કરવી નહીં તે બદલ વડોદરા મહાનગર પાલિકા બાંધકામ અધિકારી મુખત્યાર છે.

(૨૪) જો કામ પુરું થયાની તારીખથી એક વર્ષ મુદ્દત દરમ્યાન થયેલ કામમાં ઇજારદાર સત્તા બહારના કારણોને લઇને નહીં પરંતુ કેવળ તેની કસૂર ખરાબ કામગીરી અથવા માલસામાનનો ઉપયોગ કર્યાનો સબબથી કંઇ ખામી જણાઇ આવે તો ઇજારદારને ખર્ચે અને જોખમે દુરસ્ત કરવામાં આવશે અને થયેલો ખર્ચ ઇજારદારને જે રકમ અદા થવાને પાત્ર થઇ હોય તેમાંથી વસૂલ કરવામાં આવશે.

(૨૫) ઇજારાથી થતાં કામોને તે મુદ્દત દરમ્યાન મહાનગર પાલિકાના બાંધકામ અધિકારીની હકુમત નીચે ગણાશે અને નુક્શાની શરતો અને કામગીરી અને માલસામાનના ગુણદો બાબતમાં તેમનો નિર્ણય છેવટનો અને બંધનકારક ગણાશે.

(૨૬) જે કામની બાબતમાં શરતો મુકરર કરવામાં આવેલી ન હોય તે કામો સંપૂર્ણ રીતે મહાનગરપાલિકાના બાંધકમ અધોકારીના જરુરીયાત અને સુચના પ્રમાણે કરવું પડશે.

(૨૭) ખાણોની સર્વ લાગત, રોયલ્ટી જકાત અને એવો બીજો ખર્ચ તે બાબત ખાસ ઉલ્લેખ કરેલો ન હોય તો તે ઇજારદારે વેઠવો પડશે.

(૨૮) આ કામગીરી સંબંધી કોઇપણ પ્રકારની તકરાર હશે તો ફાયનલ બીલ/છેલ્લું પાર્ટ બીલ મળ્યા તારીખથી ૩ મહિના અંદર અમે યોગ્ય ઇલાજ લઇશું. આ મુદ્દત વિત્યા બાદ આ સંબંધી કોઇપણ પ્રકારનો દાવો ચાલશે નહીં.

(૨૯) ઇજારદાર હુકમ આપ્યા તારીખથી છ માસની અંદર સંપૂર્ણ કામગીરી પૈકીના કોઇપણ પાર્ટ ભાગની કામગીરી કરવાની સાઇટ આપવામાં ન મળે તો ઇજારદાર કરારમાંથી મુક્ત થવાની માંગણી કરે અને તે પ્રમાણે ઇજારદારે લેખીત માંગણી કરેથી તે અંગે સક્ષમ અધિકારી માંગણીની યોગ્યતા જણાયતો ભરેલ અનામતની રકમ પરત કરી કરારમાંથી મુક્ત કરી શકાશે આવા કિસ્સામાં ઇજારદારેકરેલ ખર્ચાઓનું વળતર માંગી શકશે નહીં.

(૩૦) ઇજારદારે વપરાશમાં લેવામાં આવતા તમામ મટીરીયલની ભાવપત્ર મુજબ ટેસ્ટીંગ કરાવી લેવાની જવાબદારી તેઓની રહેશે જો ટેસ્ટીંગ કરાવવામાં ન આવ્યું હોય તો સક્ષમ અધિકારી નક્કી

કરે તે મુજબ કામગીરી થયા પછીના ટેસ્ટીંગ અને એવી કામગીરીને યથાવત સ્થિતિમાં લાવવાની જવાબદારી ઇજારદારની રહેશે અને તેનો ખર્ચ પણ તેઓએ ભોગવવાનો રહેશે અથવા સક્ષમ અધિકારી ટેસ્ટીંગ વગર કરેલ કામગીરીનું કોઇપણ ચુકવણું ન કરવા નિર્ણય કરી શકશે.

(૩૧) ઇજારદારે કોંટ્રાક્ટ ઓલ રીસ્ક પોલીસી (**CAR Policy)** ઉતારવાની રહેશે. જેમાંના મુદ્દાનો સમાવેશ કરવાનો રહેશે.

કામનું નામ. (જાહેરાતમાં પ્રસિધ્ધ થયા મુજબનું)

ઇજારદારનું નામ (જો સંસ્થા હોય તો તેના પ્રોપ્રાઇટર કે પાર્ટનરોના નામ) અને મહાનગર પાલિકાના મ્યુનિસિપલ કમિશ્નરનો ઉલ્લેખ હોવો જોઇએ.

(૩૨) કરેલ કામગીરીનું ચુકવણું કરવા માટે સામેલ પત્રક/બીલ (**ANNEXURE-I)** મુજબ ઇજારદારનીબીલનું ચુકવણું કરવાની માંગણી આવ્યા બાદ જ બીલની ચુકવણી કાર્યવાહી કરવામાં આવશે.

(૩૩) આ ઉપરાંત ઇજારદારે સામેલ નમુનો મુજબનો કરાર કરવાનો રહેશે.

(૩૪) ઇજારદારે કામગીરીની જેટલી સાઇડ ખુલ્લી હોય એટલે કે દબાણ/સંપાદન કે અન્ય કોઇ સર્વિસ લાઇનની નડતરરુપ કામગીરી સિવાય કોઇ અડચણ ન હોય તેવું તમામ કામ નિશ્ચિત સમય મર્યાદામાંજ પૂર્ણ કરવાનું રહેશે.

(૩૫) ખોદાણ કામનું માપ ઘ.મી.ના ધોરણે આપવામાં આવશે. એમાં કોઇપણ પ્રકારનો બલ્કેજ આપવામાં આવશે નહીં.

(૩૬) ઇજારદાર ધ્વારા કામગીરીનો વર્ક ઓર્ડર આપ્યા બાદ કે કરાર કર્યા બાદ કે સ્થળે કામગીરી શરુ કર્યા બાદ (આ ત્રણ પૈકી જે પ્રથમ થાય) ભરેલ ભાવપત્રની શરતો કે કરારની શરતો કે પત્રો ધ્વારા આપેલ સંમતીઓનો ભંગ થાય તો સક્ષમ અધિકારી કે તેના પ્રતિનિધિ ધ્વારા પ્રાથમિક એક અને વધારેમાં વધારે ત્રણ સુચના આપ્યાબાદ, સુચનાનો અમલ ન થાય તે સંજોગોમાંઇજારદારને કરેલા કામનું યોગ્ય જણાય તેટલું ઓછું ચુકવણું કે કોઇપણ ચુકવણું ન કરવાનું કે ઇજારદારે ભરેલ તમામ અનામતો જપ્ત કરવાનું કે મહાનગર પાલિકાના કોઇપણ કામોમાંથી આવી વસુલાત ઇજરદાર પાસેથી કરી શકશે અને તે ઉપરાંત ઇજારદારને કાયમ માટે કાળી યાદીમાં મુકીને સરકારશ્રી, અર્ધસરકારી

સંસ્થામાં તેમજ કેન્દ્ર સરકારની કચેરીમાં જાણ કરવામાં આવશે. વડોદરા મ્યુનિ. કોર્પોરેશનને યોગ્ય લાગે તેવી પ્રગતિ ન કરવા બદલ/ બંધ કરવા બદલ આ કાર્યવાહી કરી શકાશી ઉઅપરાંત કાયદાકીય પગલાઓમાં ફોજદારી કાર્યવાહીનો પણ સમાવેશ થાય છે

(૩૭) સ્થળે કામગીરી અન્યઇજારદાર (ઇલેક્ટ્રીક)દ્વારા ચાલુ હોય તો તેવા સંજોગોમાં તેઓના કામ ને નુક્શાન ના પહોંચે તથા તેઓનું કામ ના રોકાય તે રીતે આપની સમયમર્યાદા માં કામગીરી કરવાની રહેશે.

૩૮) વડોદરા મહાનગર પાલિકામાં રજીસ્ટ્રેશન ન ધરાવતા ઇજારદારે વર્ક ઓર્ડર મળ્યે દિન-૩૦ માં વડોદરા મહાનગર પાલિકાનું રજીસ્ટ્રેશન મેળવી લેવાનું/રીન્યુ કરાવી લેવાનું રહેશે.તે સિવાય કોઇપણ ચુકવણું કરવામાં આવશે નહી.

૩૯) ઇજારદારે સદર કામે બાંધકામની વિગતો દર્શાવતા બોર્ડ કામના સ્થળે ૬ '**x** ૫' લોખંડની ફ્રેમીંગ સહ એક્રીલીક શીટ ફીટ કરી સ્વખર્ચે મુકવાના અને સાચવવાના રહેશે, જો ચોરાઇ જાય કે તુટી જાય તો ફરીથી સ્વખર્ચે મુકવાના રહેશે અને દરેક બિલ સાથે કામના નામ સાથે ફોટો રજુ કરવાના રહેશે.

૪૦) કામગીરી દરમ્યાન ઇજારદારે સ્વખર્ચે ઓછામા ઓછી ૧૫' **X** ૧૫' ની ઓફીસ, જરુરી સવલતો જેવીકે ફર્નીચર, પંખા, લાઇટો, કુલર સહ વ. મ. પાલિકા માટે અલાયદી આપવાની રહેશે.

૪૧) બાંધકામ પૂર્ણ થયા પછી ભવિષ્યમાં બિલ્ડિંગ માં કોઈ પણ પ્રકારની ખામી સર્જાય તો **Performance Guarantee bond Period** દરમ્યાન તેની સંપૂર્ણ જવાબદારી ઇજાદાર ની રહેશે. અને કોર્પોરેશનની કોઈ જવાબદારી રહશે નહીં.

૪૨) બાંધકામ દરમીયાન કોઈ પણ પ્રકારની પરવાનગી લેવાની થાય તેની તમામ જવાબદારી ઇજાદારની રહેશે.

૪૩) ઈજારદાર સામે (એફઆઇઆર) થવાના સંજોગોમાં ઈજારદારનો કોન્ટ્રાક્ટ રદ કરવામાં આવસે અને ખર્ચે ને જોખમે અન્ય ઈજારદાર પાસે કામગીરી કરવાની રહેશે.

૪૪) ઈજારદારને**SBD, Detail Specification & Schedule-B** વાંચી સભાનતાથી સમજી તેઓ ને પ્રમાણે કામ કરવા કરવાની સંપૂર્ણ જવાબદારી રહશે.

આ કરાર અમો બંને પક્ષકારોએ વાંચી,વંચાવી, સભાનતાથી સમજી રાજીખુશીથી તેનાં ઉપર સહીઓ

કરેલ છે. અને અમોને કબુલ મંજુર છે

સ્થળ : વડોદરા.

તારીખ:

ઈજારદારની સહી:

સાક્ષી:૧) નામ:સહી:

સરનામું:

સાક્ષી: ૨) નામ:સહી:

સરનામું:

વડોદરા મહાનગર પાલિકા વતી,

કાર્યપાલક ઈજનેર

(બિલ્ડીંગ પ્રોજેક્ટ શાખા)

સાક્ષી:૧) નામ:સહી:

સરનામું

સાક્ષી: ૨) નામ:સહી:

સરનામું:

બાજુનું સીલ અમારી રૂબરૂમાં લગાડવામાં આવેલ છે.

૧) નામ:સહી:

૨) નામ:સહી:

[redacted]

લેબર લાઈસન્સ રજીસ્ટ્રેશન અંગેનુ બાંહેધરીપત્ર

૧. ઇજારદારનુનામ :

૨. સરનામુ :

:

૩.રજીસ્ટ્રેશનવર્ગ :

૪.ખાતાનુનામ :

૫.કામનુનામ ::

૬.ટેન્ડરનીરકમ :

આથીહુંઇજારદાર----------

બાંહેધરી આપુ છું કેવડોદરા મહાનગરપાલિકા માં હું ઇજારદારતરીકે કામ કરુ છું/ કરવામાંગુ છું હાલમને લેબરલાઈસન્સએકટની જોગવાઇ અનુસાર લેબરલાઈસન્સરજીસ્ટ્રેશનની જરુરન હોઈ હાલમને તે લાગુપડતુ નથી મહાનગરપાલિકા સાથેના મારારજીસ્ટેશનના સમયગાળા દરમ્યાન અગરતે રજીસ્ટ્રેશન હેઠળ મેળવેલટેન્ડરની કામગીરી પુર્ણ થવાનાસમયગાળા દરમ્યાન લેબરલાઈસન્સએકટમાં નામુદકરેલ રજીસ્ટેશન ની નિદિષ્ટ સંખ્યાકરતાં ઓછુંમાનવબળ રાખવાના છે અને જોતે સંખ્યા વધશેતો લેબરલાઈસન્સ કરાવી લેવામા આવશે અને તેનીનકલ વડોદરામહાનગરપાલિકાનેઆપવામાં આવશે તેમછતાં લેબરલાઈસન્સએકટ અન્વયે ની કોઇપણજવાબદારીઉભીથશે તો તેની સઘળી જવાબદારી અમારી રહેશે તેની અમો બાંહેધરી આપીએ છીએ.

ઇજારદારનીસહી. ----------

[redacted]

As per approved bank list by finance department
Government of Gujarat

CHAPTER-V

INTEGRITYPACT

Vadodara Municipal Corporation (VMC) here in after referred to as "The Principal" And _____Here in after referred to as "The Bidder/ Contractor Preamble

The principal intends in award, under laid down organizational procedures, contactor _____. The principal values full compliance with all relevant laws of the lands, rules, Regulations, economic use of resources and of fairness/ transparency in its relations with its Bidder(s)and/or contractor(s)In order to achieve, these goals the principal will appoint an Independent External Monitor (IEM), who will monitor the tender process and the execution of the contract for compliance with the principals mentioned above.

Section1-Commitments of the principal

The principal commits itself to take all measures necessary to prevent corruption and to observe the following principals: -

1. No employee of the principal, person or through family members, will in connection with the tender for, or the execution of a contract, demand, false promise for or accept, for sell or third person, any material or materials benefit.
2. The principal will, during the tender process treat all Bidder(s) with equity and reason. The principal will in particular, before and during the tender process provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
3. The principal will exclude from the process all known prejudiced persons.
4. If the principal obtains information on the conduct of any of its employees which is criminal offence under the IPX/PC, Act or if there be a substance suspicion in this regard, the principal will inform the Chief Vigilance Officer and in addition can initiate Disciplinary actions.

Section2-Commitments of the Bidder(s)/Contractor(s)

The Bidder(s)/ contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles During the participation in the tender process and during the contract executions.

1. The Bidder(s)/Contractor(s) will not enter with other bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications; subsidiary, contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce castellation in the bidding process.

   The Bidder(s)/contractor(s) will commit any offence under the relevant IPC/PC Act, further Bidder(s)/contractor(s) will not use improperly, for purpose of completion or personal gain, or pass on to the, any information of document provided by the principal's part of the business relationship regarding plans, technical proposal sand business details, including n formation contained or transmitted electronically.

   The Bidder(s)/contractor(s) of foreign origin shall disclose the name and address of the Agents/ representatives in India, if any. Similarly, the Bidder(s)/contractor(s) of Indian Nationality shall furnish the name and address of the foreign principles, if any. Further details as mentioned in the "Guidelines of Indian Agents of Foreign Suppliers" shall be disclosed by the Bidder(s)/contractor(s). Further as mentioned in the Guidelines all the payments made to the Indian Agent /representatives have to be in Indian Rupees only) Copy cite "Guidelines on Indian Agents of Foreign Suppliers"

   The Bidder(s)/contractor(s) will when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

2. The Bidder(s)/contractor(s)will not instigate third persons to commit offenses outlined above or be an accessory to such offenses.

Section3-Disqualification from tender process and execution from future contracts.

If the Bidder(s)/contractor(s) before award or during execution has committed a Transgression through violation of Section2, above or if any other form such as to put his reliability or credibility in question, the principal is entitled to disqualify the Bidder(s)/contract(s) from the tender process or take action as per procedure mentioned in the guidelines on Banning of business dealings.

Section4-CompensationforDamage

1. If the principal has disqualified the Bidder(s) from the tender process prior to the award according to section3, the principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/ Bid Security.

   If the principal has terminated the contract according to section 3 or if the principalisentitledtoterminatethecontractaccordingtosection3, the principal I shall be entitled to demand and recover from the contractor liquidated damages of the contract value or the amount equivalent to security deposit.

Section5-Previous transgression

1. The Bidder declares that no previous transgression occurred in the last 3 years with any other company in any country confirming to the anti-corruption approach or with any other public sector Enterprises in India that could justify his exclusion from the tender process.
2. If the Bidder make incorrect statement on this subject, he can be disqualified from the tender process or action can be taken as per the procedure mentioned in "Guidelines on Banning of business dealings"

Section6-Equal treatment of All Bidders/contractors/sub-contractors

1. The Bidder(s)/ contractor(s) undertake(s) to demand from all sub contract commitment inconformity with this integrity pact and to submit it to the prime before contract signing.
2. The principal will enter, into agreements with identical conditions as this one Bidders, contractors and sub-contractors.
3. The principal will disqualify from the tender process all bidders, who do not sign Bidders, Contractors and sub-contractors.

Section7-Criminal charges against violating Bidder(s)/contractor(s)/ Sub contractors if the principal obtains knowledge or conduct of a Bidder, contractor or subcontractor an employee or a representatives or an associate of a Bidder, contractor or sub-contractor which constitutes corruption, or if the principal has substantive suspicion in this regarding principal will inform the same to the Chief vigilance officer.

Section8-Independent External Monitor/Monitors

1. The principal appoints competent and credible independent External Monitor impact. The task of the Monitor is to review independently and objectively, whether to what extent the parties comply with the obligations under this agreement.
2. The monitor is not subject to instructions by the representatives of the party performs his functions neutrally and independently. He reports to the chairman.
3. The Bidder(s)/Contractor(s) accept that the Monitor has the right part restriction to all project documentation of the principal including that provided. The contractor will also grant the Monitor upon his request demonstration of a valid interest, unrestricted and unconditional access to his documentations. The same is applicable to subcontractors. The monitor contractual obl
4. ligation to treat the information and documents of the Bidder|(s)/contractor(s) subcontractor(s) with confidentially.
5. This agreement is subject to Indian Law. Place of performance and jurisdiction the Registered Office of the principal i.e. Vadodara.
6. Changes and supplements as well as termination not less need to be made writing. Side agreements have not been made.

7. If the contractor is a partnership or a consortium, this agreement must be signed by all partners of consortium members.
8. Should one or several provisions of this agreement turn out to be invalid, the reminder of this agreement remains valid in thiscase, and the parties will strive to come to an agreement to their original intentions.

_____

For & on be half of the

Principal (office seal) for & on behalf of Bidder/contractor
(Office seal)

Place: _____

Date: _____

Witness:1(Name & Address) _____
_____

Witness:2(Name & Address) _____
_____

LETTER OF TRANSMITTAL

From:

To
The Executive Engineer
(Building Project Dept.)
VADODARA MUNICIPAL CORPORATION,
Khanderao Market Building,
Rajmahal Road, Vadodara, Gujarat -390209

Subject: Submission of Technical bid

Name of Work: - AS PER NIT.

SH: C/o ----------

--Sir,

Heaving examined the details given in pre-qualification press notice and pre-qualification document for the above work/we hereby submit the pre-qualification application and relevant documents.

1. I/where by certify that all the statements made and information supplied in Theen closed from “A” to “J” and accompanying statements are true and correct.
2. I/we have furnished all information and details necessary for pre-qualification and have no further pertinent information to supply.
3. I/we submit the requisite certified solvency certificate and authorize the Executive Engineer (Housing & Building Dept.) VMC to approach the Bank issuing the solvency certificate to confirm the correctness thereof. I/we also authorize Executive Engineer (Housing & Building Dept.) VMC to approach individual employers, firms and corporation to verify our competency and general reputation.
4. I/we submit the following certificate in support of our suitability technical know who wand capability for having successfully completed the following works.

Name of work:

Certificate from:
Enclosures:
Date of Submission: Signature of applicant(s)

FORM '3A'

FINANCIAL INFORMATION

INFORMATION REGARDING FINANCIAL CAPACITY OF THE TENDERER

Sr. No.	Details	Amount	Remarks
1.	Solvency		Solvency Certificate from a Bank of an amount of 20% of the estimated cost put to the tender.
2.	Cumulative Annual Turnover for last Three years		
	First Financial Year 2025-2026		Details of major contracts executed during these years Shall be furnished Certificate from the Owner in Support of successful bidders.
	Second Financial Year 2024-25		
	Third Financial Year 2023-24		

Average Annual Financial Turn Over=Cumulative Annual turnover of last(3) three financial year

$$= \frac{\qquad\qquad}{3}$$

=Rs.....lac.

Signature of tenderer: Sign.of Chartered Accountant with seal Date:

FORM'B'

FORM OF BANKERS CERTIFICATE FROM APPROVED BANK

(Solvency certificate from a schedule bank)

This is to certify that the best of our knowledge and in formation that M/S/Sh. _____having marginally noted address, a customer of our bank are/is respectable and can be treated as good for any engagements up to a limit of INR_____(INR_____)

This certificate is issued without any GAURANTEE or responsibility on the bank or any of its officers.

(Signature) For the Bank

NOTE:

1. Banker's certificates should be on letter head of the Bank, sealed in cover Addressed to tendering authority.
2. In case of partnership firm, certificate should include names of all partners as recorded with the Bank.

FORM C

DETAILS OF ALL WORKS RELATED TO THE PROJECT COMPLETED DURING THE LAST SEVEN YEARS ENDING LAST DAY OF THE MONTH

Sr. No.	Name of Work/Project &Location	Owner or sponsoring Organization	Cost of works in crores	Date of commencement as per contract	Stipulated Date of completion	Actual date of completion	Litigation/ arbitration pending/ in progress with details*	Name of address/ telephone of officer to whom reference may be made	Remarks
1	2	3	4	5	6	7	8	9	10

Signature of Applicant(s)

*Indicate gross amount claimed and amount awarded by the Arbitrator

NOTE: Bidder Shall submit separate list for which their claim to meet eligibility criteria as per Sr. No.1.2 of eligibility criteria is meeting.

FORM 'D'

PROJECTS UNDER EXECUTION OR AWARDED/LOIISSUED

Sr. No.	Name of work/ Project And location	Owneror Sponsorin g Organization	Cost of workin Crores	Dateof commen cement As per contract	Stipulated date of completion	Upto date amount of the work executed (INR)	Slow progressif any & reason thereof	Name & address / telephone of officer to whom reference may be made	Remar ks
1	2	3	4	5	6	7	8	9	10

Certified that above list of works are complete and no work has been left out and the information given is correct to my/our knowledge and belief

Signature of Applicant

Form 'E'

PERFORMANCE REPORT OF WORKS REFERRED TO IN FOR" C&D"

1. Sr. No.
2. Name of work/Project and Location
3. For Building works:
   i. Nature of building
      a. Load bearing
      b. RCC Framed Structure
   ii. Height of building &numbers of floor.
4. Agreement No.
5. Client name:
6. Amount of Work:
7. Date of Starting of project:
8. Stipulated date of completion:
9. Actual date of completion:
10. Completion cost:
11. Justification for Delay, if any:
12. Amount of compensation
    a. Levied for delayed completion if any
    b. Amount of reduced rate items, if any
13. Litigation tendency:

14.Feedbackfromclient:

i.	Quality of work	Very good	Good	Fair	Poor
ii.	Finance Soundness	Very good	Good	Fair	Poor
iii.	Technical Proficiency	Very good	Good	Fair	Poor
iv.	Resourcefulness	Very good	Good	Fair	Poor
v.	Generalbehavior	Verygood	Good	Fair	Poor

Third party feedback, if any:

Signature of applicant Pmc/Tpi **Signature & stamp of client**

Note: This Form shall be submitted not raised and scan copy of each work entered in C and D shall be uploaded.

FORM 'F'
DETAILSOFSTRUCTURE&ORGANISATION

1	Name & address of the applicant.	
2	TelephoneNo./TelexNo./Faxno.	
3	Legal status of the applicant (attach copies of original document defining the legal status(s). (a) An individual. (b) A proprietary firm (c) A firm in partnership (d) A limited company or corporation.	
4	Particular soft Registration with various Government bodies (attach attested photocopy). (a) Registration number. (b) Organization/Place of Registration 1. 2. 3. 4.	

5	Name and titles of Directors & officers with designation to be concern need with this work.	
6	Designation of individual authorized to act for the organization.	
7	Was the applicant ever required to suspend construction for a period of more than six months continuously after you commenced the construction? If so give the name of the project and reason of suspension of work.	
8	Has the applicant or any constituent partner in case of partnership firm every abandoned the awarded work before its completion? If so, give name of the project and reason for abandonment.	
9	Has the applicant to any partnership firm, ever been debarred/black listed for tendering in any organization at any time? If so give details.	
10	Has the applicant or any constituent partner in case of partnership firm ever been convicted by court of law? If so, give details	
11	In which field of Civil engineering construction, you claim specialization and interest.	
12	Any other information considered necessary but not included above.	

Sign of the applicant(s)

FORM 'G'

DETAILS OF INDEPENDENT TECHNICAL STAFF WHERE PROPOSED FOR THIS CONTRACT

Sr. No.	Category	Name	Qualification	Professional experience and details of work carried out	Since how long in service tender	Remarks
1						
2						
3						
4						

Signature of Tenderer:

Date:

Form H

Detail of Construction, Plant& Equipment Likely to be used in Carrying out the Work

Sr. No.	Name of equipment	Nos	Capacity of type.	Age	Condition	Owner ship status			Current location	Remarks
						Presently owned	Leased	Tobe purchased		
1	2	3	4	5	6	7	8	9	10	11
	EARTH MOVING EQUIPMENT									
	Excavators (Various sizes)									
2	EQUIPMENT FOR HOISTING & LIFTING									
3	EQUIPMENT FOR CONCRETE WORK.									
	1. Concrete batching plant (Fully automatic of min30 M3/hr capacity Age: Not more than 5 years).									
	2.Concretepump.									
	3.a) Concrete transitmixer.									

	b) other equipment for transportation of concrete mix.									
	4.NeedleVibrator (Electrical)									
	5.NeedleVibrator (Petrol).									
	6. Table Vibrator (Electrical/Petrol).									
	7.ShutterVibrator (Electrical/Petrol).									
	8. Concrete Mixer (Electrical/Diesel).									
	9.Pump(Electrical).									
	10. Power equipment.									
	1.DieselGenerators.									
	Any other plant/equipment.									
6	Steel centering shuttering/formwork/H-frame centering (ii) steel plate(atleast60%ofplot area)									

1.Signature of applicant(s)

Form'I'

LITIGATION DETAILS

Name of applicant/or parties:

Applicant should provide information on any History of litigation or arbitration resulting from contracts executed in last Seven years or currently under execution:

Sr. No.	Year	Award for/against Applicant	Name of cline, cause of litigation &matter of dispute	Disputed Amount in INR

NOTE:-

1. The above information shall be supported with necessary documents otherwise the same shall be treated as null & void.

2. If the information to be furnished in this schedule will not be given & come to the notice subsequently will result in disqualification of bidder.

Sign of Applicant(s)

FORM- 'J'

Site Visit Certificate

(To be submitted separately in sealed Envelope B, Vol.-I Pre-qualification document)

I/we_____, authorized representative of M/s _____have visited the site of the THE CONSTRUCTION OF NEW 16 AANGANWADIS AT VARIOUS PLACES IN EAST ZONE AND WEST ZONE.

.We have inspected and evaluated the existing site with reference to its location, soil conditions, sub soil water table, etc. We have submitted this offer after satisfying ourselves about the local conditions, local costs, etc.

Signature of the Tenderer

VADODARA MAHANAGAR SEVASADAN

VOLUME-I

Part 2

TECHNICAL SPECIFICATION

(CIVIL)

MATERIALS

M-1 Water:

Water shall not be salty or brackish and shall be clean, reasonably clear and free objectionable quantities of silt and traces of oil and injurious alkalis, salts, organic matter and other deleterious material which will either weaken the mortar or concrete or cause efflorescence or attack the steel in R.C.C Container for transport, storage and handling of water shall be clean. Water shall conform to the standards specified in I.S.456-1978.If required by the Engineer-in-charge it shall be tested by comparison with distilled water. Comparison shall be made by means of standard cement tests for soundness, time of setting and mortar strength as specified in I.S.269-1976. Any indication of unsoundness, change in time of setting by30 minutes or more or decrease ofmorethan10 percent in strength of mortar prepared with water sample when compared with the results obtained with mortar prepared with distilled water shall be sufficient cause for rejection of water under test. Water for curing mortar, concrete or masonry should not be too acidic or too alkaline. It shall be free of elements which significantly affect the hydration reaction or otherwise interfere with the hardening of concrete during curing or those which produce objectionable stains or other unsightly deposits on concrete or mortar surfaces. Hard and bitter water shall not be used for curing. Portable water will be generally found suitable for curing mortar or concrete.

M-2. Lime:

Limeshallbehydrauliclimeasper I.S.712-1973.Necessarytestshallbecarried out as per I.S. 6932 (Parts I to X), 1973.

The following field tests for limes are to be carried out:

(1) A very rough idea can be formed about the type of lime by its visual examination i.e. fat lime bears pure white color, lime in form of porous lumps of dirty while color indicates quick lime, and solid lumps are the unburnt lime stone.

(2) Acid tests for determining the carbonate content in lime, Excessive amount of impurities and rough determination of class of lime.

Storage shall comply with I.S. 712-1973. The slaked lime, if stored, shall be kept in a weather proof and damp-proof shed with impervious floor and sides to protect it against rain, moisture, weather and extraneous materials mixing with it. All lime that has been damaged in any way shall be rejected and all rejected materials shall be removed from site of work.

Field testing shall be done according to I.S. 1624-1974 to show the acceptability of materials.

M-3. Cement:

3.1 Cement shall be ordinary Portland slag cement as per I.S. 269-1976 or Portland slag cement as per I.S. 455-1976.

M-4. White Cement:

The white cement shall conform to I.S.80412-E 1978.

M-5. Colored Cement:

Colored cement shall be with white or gray Portland cement as specified in the item of the work.

The pigments used for colored cement shall be of approved quality and shall not exceed 10% of cement used in the Mix. The mixture of pigment shall be properly grounded to have a uniform color and shade. The pigments shall have such properties to provide for durability under exposure to sunlight and weather.

The pigment shall have the property such that it is neither by the cement nor detrimental to it.

M-6. Sand:

Sand shall be natural sand, clean, well graded, hard strong durable and gritty particle free from injurious amounts of dust clay, kankar nodules, soft or flaky particles shale, alkali, salts organic matter, loam, mica or another deleterious substance and shall be got approved from the Engineer-in-charge. The sand shall not contain more than 8 percent of silt as determined by field test. If necessary, the sand shall be washed to make it clean.

Coarse Sand: The fineness modulus of coarse sand shall not be less than 2.5 and shall not exceed 3,0.

The sieve analysis of coarse shall be as under:

I.S. Sieve	Percentage by weight	I.S. Sieve	Percentage by weight
Designation	Passing Sieve	Designation	Passing Sieve
4.75mm.	100	600Micron	30-100
2.36mm.	90to 100	300Micron	5-70
1.18mm.	70-100	150Micron	0-50

6.3 Fine Sand: The fineness modulus shall not exceed 1.0. The sieve analysis of fine sand shall be as under:

I.S. Sieve	Percentage by weight	I.S. Sieve	Percentage by weight
Designation	Passing Sieve	Designation	Passing Sieve
4.75mm.	100	600Micron	40-85
2.36mm.	100	300Micron	5-50
1.18mm.	70-100	150Micron	0-10

M-7. Stone Dust:

This shall be obtained from crushing hard black trap or equivalent. It shall not contain more than 8% of silt as determined by field test with measuring cylinder. The method of determining silt contents by field test is given as under

A sample of stone dust to be tested shall be placed without drying in 200 mm. measuring cylinder. The quantity of the sample shall be such that it fills the cylinder up to100 mm. mark. The clean water shall be added up to 150 mm. mark. The mixture shall be stiffed vigorously and the content allowed to settle for 3 hours.

The height of silt visible as settled layer above the stone dust shall be expressed as percentage of the height of the stone dust below. The stone dust containing more than 8% silt shall be washed so as lowering the silt content within the allowable limit.

The fineness modulus of stone dust shall not be less than1.80.

M-8. Stone Grit:

Grit shall consist of crushed or broken stone and be hard strong, dense, durable, clean, of proper gradation and free from skin or coating likely to prevent adhesion of mortar Grit shall generally be cubical in shape and afar possible flaky elongated pieces shall be avoided. It shall generally comply with the provisions of I.S. 383-1970. Unless special stone of particular quarries is mentioned, grit shall be obtained from the best black trap or equivalent hard stone as approved by the Engineer-in-charge. The grit shall have no deleterious reaction with cement.

The grit shall conform to the following gradation as per sieve analysis:

I.S. Sieve	Percentage by weight	I.S. Sieve	Percentage by weight
Designation	Through Sieve	Designation	Through Sieve
12.50mm.	100%	4.75mm.	0-20%
10.00mm.	85-100%	2.36mm.	0-25%

The crushing strength of grit will be such as to allow the concrete in which it is used to use to build up the specified strength of concrete.

The necessary tests for grit shall carried out as per the requirements of I.S.2386 (Parts I to VII) 1963, as per instructions of the Engineer-in-charge. The necessity of test will be decided by the Engineer-in-charge. The necessity of test will be decided by the Engineer-in-charge.

M-9. Cinder:

Cinder is well burnt furnace residue, which has been fused or sintered into lumps of varying sizes.

Cinder aggregates shall be well burnt furnace residue obtained from furnace using coal fuel only. it shall be sound clean free from clay, dirt ash or other deleterious matter.

The average grading for cinder aggregates shall be as mentioned below:

I.S. Sieve	Percentage	I.S. Sieve	Percentage
Designation	Passing	Designation	passing
20 mm.	100	4.75mm.	70
10 mm.	86	2.36mm.	52

M-10. Lime Mortar:

Lime shall confirm to specification M-2 Water shall conform to specification M- 1.

Sand: Sand ShallconformtospecificationM-6.

Proportion of Mix:10.2.1. Mortar shall consist of such proportions of slaked lime and sand as may be specified in the item. The slaked lime and sand be measured by volume.

Preparation of Mortar:

Lime mortar shall be prepared by wet process as per I.S. 1625-1971. Power driven mill shall be used for preparation of lime mortar. The slaked lime shall be placed in the mill in an even layer and ground for the 180 revolutions with a sufficient water. Water shall be added as required during grinding (care being taken not to add more water) that will bring the mixed material to consistency of stiff paste. Thoroughly wetted sand shall then be added evenly and the mixture ground for another 180 revolutions.

Storage :10.4.1 Mortar shall always be kept damp, protected from sum and rain till used up, covering it by tarpaulin or open sheds.

Use: 10.5.1 All mortar shall be used as soon as possible after grinding it should be used on the day on which it is prepared. But in no case mortar made earlier than 36 hours shall be permitted for use.

M-11. Cement Mortar:

Water shall conform to specification M –1. Cement: Cement shall conform to specification M- 3. (For using in Any Compound wall kindly make an impress of VMC Name as Symbol Ambrose as per instruction of Client/PMC)

Sand: Sand shall conform toM-6

Preparation of Mix :11.2.1 Cement and shall be mixed to specified proportion, sand being measured by measuring boxes. The proportion of cement will be by volume on the basic of 50 kg / Bag of cement being equal to 0.0342 Cu.m. The mortar may be hand mixed or machine mixed as directed.

Preparation of mortar : 11.3.1 In hand mixed mortar cement and sand in the specified proportions shall be thoroughly mixed dry on a clean impervious platform by turning over at least 3 times or more till a homogenous mixture of uniform color is obtained., Mixing platform shall be so arranged that no delirious extraneous material shall get mixed with mortar or mortar shall be gradually added and thoroughly mixed to form a stiff plastic mass of uniform color so that each particle of sand shall be completely covered with a film of wet cement. The water cement ratio shall be adopted as directed.

The mortar so prepared shall be used within 30 minutes of adding water Only such quantity of mortar shall be prepared as can be used within 30 minutes.

M-12 Stone Coarse Aggregate for nominal Mix Concrete:

Coarse aggregate shall be machine crushed stone of black trap or equivalent and be hard, strong dense, durable clean and free form skin and coating likely to prevent proper adhesion for mortar.

The aggregate shall generally be cubical in shape. Unless special stones of particular quarries are mentioned aggregates shall be machine crushed from the best black trap or equivalent hard stone as approved. Aggregate shall have no deleterious reaction with cement. The size of the coarse aggregate for plain cement concrete and ordinary reinforced cement concrete shall generally be as per the table given below. However, in case of reinforced cement concrete the maximum limit may be restricted to 6 mm. less than the minimum lateral clear distance between bars or 6 mm. less than the cover, whichever is smaller.

TABLE

I.s.sieve	percentage passing for single sized aggregates of nominal size			I.S. Sieve Designa tionsized	Percentage passing for single aggregates of Nominal size		
80 mm.	--	--	--	12.5 mm.	--	--	--
63 mm.	100	--	--	10 mm.	0.5	0.02	0.30
40 mm.	85-100	100	--	4.75 mm	--	0.5	0.5
20 mm.	0-20	85-100	100 mm.	2.35	--	--	--
15 mm.	--	--	85-100				

NOTE: This percentage may be carried somewhat by Engineer-in-charge when considered necessary for obtaining better density and strength of concrete.

12.3. The grading test shall be taken in the beginning and at the change of source of materials. The necessary test indicated in I.S. 383-1970 and I.S. 456-1978 shall have to be carried out to ensure the accept ability. The aggregates shall be stores separately and handled in such a manner as to prevent the intermixing of different aggregates. If the aggregates. are covered with dust, they shall be washed with water to make them clean.

M-13. Black Trap or Equivalent Hard Stone Coarse:

Aggregate for Design Mix Concrete: Coarse aggregate shall be of machine crushed stone of black trap or equivalent hard stone and be hard strong dense, durable clean and free skin and coating likely to prevent proper adhesion of mortar.

The aggregates shall generally be cubical in shape. Unless special stones of particular quarries are mentioned, aggregates shall be machine crushed from the best, black trap or equivalent third stones as approved. Aggregate shall have no

deleterious reaction with cement.

The necessary tests in dictated in I.S.383-1970 and I.S.456-1978 shall have to be carried out to ensure the acceptability of the material.

If aggregate is covered with dust it shall be was had with water to make it clean.

M-14. Brick Bats Aggregate:

Brick bat aggregate shall be broken from well burnt or slightly over burnt and dies brick. It shall be homogeneous in texture roughly cubical shape, clean and free from dirt of any other foreign material. The brick bats shall be of 40 mm. to 50 mm. size unless otherwise specified in the item. The unburnt or over burnt brick bats shall not be allowed.

The brick bats shall be measured by volume by suitable boxes or as directed.

M-15Bricks:

The bricks shall be hand or machine molded and made from suitable soils and kiln-burnt. They shall be free from crack and nodules of free lime. They shall have smooth rectangular faces with sharp corner sand shall be of uniform color. The bricks shall be molded with a frog of 100mm.X40mm.and10mm.to20
mm. deep on one of its flat sides. The bricks shall not break when thrown on the ground from a height of 600 mm.

The size of modular bricks shall be190mm.X90 mm.X90mm.

The size of the conventional bricks shall be asunder:(9”x4$\frac{8}{}$”x2$\frac{4}{}$”)225x110
x75 mm.

Only bricks of one standard size shall be used on one work. The following tolerances shall be permitted in the conventional size adopted in a particular work.

Length:1.8(3.0mm.) Width:1/6“(1.51mm.) Height:1/6”1.50mm.)

The crushing strength of the bricks shall not be less than 35 Kg. /Sq.Cm. The average water ab scripts shall not be more than 20 prevent by weight. Necessary tests for crushing strength and water absorption etc. shall be carried out as per I.S. .3493 (Part-I to IV) 1976.

M-16Stone:

The stone shall be of the specified variety such as Granite/Trap Stone. Quartzite or any other type of good hard stones. The stones shall be obtained only from the approved quarry and shall be hard, sound, durable and free from defects like cavities, cracks, sand holes, flaws, injurious veins, patches of loose or soft materials etc. and weathered portions and other structural defects or imperfections tending to affect their soundness and strength. The stone with round surface shall not be used. The percentage of water absorption shall not be more that 5% of dry weight, when tested in accordance with I.S. 1134-1974. The minimum crushing strength of the stone shall be 200 kg. /Sq. Cm. unless otherwise specified.

The samples of the stone to be used shall be got approved before the work is started.

The Khaki facing stone shall be dressed by chisel as specified in the item for Khaki facing in required shape and size. The face of stone shall be so dressed that the bushing on the exposed ace shall not project by more than40 mm. from the general wall surface and on face to be plastered it shall not project by more than 19 mm. nor shall it have depressions more than 10 mm. from the average wall surface.

M-17. Laterite Stone:

Laterite stone shall be obtained from the approved quarry. It shall be compacted in texture, sound, durable and free from soft patches. It shall have a minimum crushing strength of 100 K.G/S.q. Cm. in its dry condition. It shall not absorb water more than 20% of its own weight, when immersed for 24 hours in water. After quarrying the stone shall be allowed to weather for some time before using in work.

The stone shall be dressed into regular rectangular blocks so that all faces are free from waviness and unevenness, edges true and square.

Those types of stone in which white clay occur, should not be used.

special corners to ne shall be provided where so directed.

M-18. Mild Steel Bars:

Mild steel bars reinforcement for R.C.C work shall conform to I.S. 432(Part-II) 1966 and shall be tested quality. It shall also comply with relevant part of I.S. 456-1978.

All the reinforcement shall be clean and free from dirt, paint, grease, mile scale or loose or thick rust at the time of placing.

For the purpose of payment, the bar shall be measured correct up to 100 mm. length and weight payable worked out at the rate specified below:

1. 6mm.x0.22Kg. /Rmt.
2. 8mm.x0.39Kg. /Rmt.
3. 10mmx0.62Kg. /Rmt
4. 12mmx0.89Kg. /Rmt
5. 14mmx1.21Kg. /Rmt
6. 16mmx1.58Kg. /Rmt
7. 18mmx3.00Kg. /Rmt
8. 20mm.x2.47Kg. /Rmt.
9. 22mm.x2.98Kg. /Rmt.
10. 25mm.x3.85Kg. /Rmt.
11. 28mm.x4.83Kg. /Rmt.
12. 32mm.x6.31Kg. /Rmt.
13. 36mm.x7.99Kg. /Rmt.
14. 40mmx9.86 Kg. /Rmt.

M-19. High yield Strength Steel Deformed Bars:

High yield strength steel deformed bar saree either cold twisted or hot rolled, shall conform to I.S. 1739-1966 and I.S.1139-1966 respectively.

Other provision and requirements shall conform to specification NO. M-18 for Mild steel bars.

M-20. High Tensile Steel Wire:

The high tensile wires for the use in pre-stressed concrete work shall conform to I.S. 2090-1962.

The tensile strength of the high tensile steel bars shall be as specified in the item. In absence of the given strength, the minimum strength shall be taken as per para 6.1 of I.S. 1785-1962. Testing shall be done as per I.S. requirements.

The high tensile steel shall be free from loose mill scale, rust oil, grease, or any other harmful matter, cleaning of steel bars may be carried out by immersion in solvent solution, wire brushing or passing through a pressure box containing car corundum.

The high tensile wire shall be obtained from manufactures in coil having diameter not less than 350 times the diameter of wire itself so that wire springs back straight back straight on being uncoiled.

M-21. Mild Steel Binding Wire:

The mild steel wire shall be of 1.63 mm or 1.22 mm. (16 or 18 gauge) diameter and shall conform to I.S. 280-197.

The use of black wire be permitted for binding reinforcement bars. It shall be free from rust, Oil paint, grease, looser mile scale or any other undesirable coating which may prevent adhesion of cement mortar.

M-22. Structural Steel:

All structural steel shall conform to I.S. 226-1965. The steel shall be free from the defects mentioned in I.S. 226-1975 and shall have a smooth finish. The material shall have a smooth finish. The material shall be free from loose mile scale, rust pits or other defects affecting the strength and durability. Rivet bars shall conform to I.S. 1148-1973.

When the steel is supplied by the Contractor test certificates of the manufactures shall be obtained according to I.S. 226-1975 and other relevant Indian Standards.

M-23. Galvanized Iron Sheets:

The galvanized iron sheets shall be plain or corrugated sheets of specified in item. The G.I. sheets shall conform it I.S. 217-1977. The sheets shall be undamaged in carriage and handling either by rubbing off of zinc coating or otherwise they shall have clean and bright surface and shall be as directed as per site condition.

The length and width of G.I. sheet shall be as directed as per site condition.

M-23(A)G. IV alleys gutter ridges:

The G.I. ridges and hips shall be of plain galvanized sheets class-3 of the thickness as specified in item. These shall be 600 mm. in width and properly bent up to shape without damage to the sheets in process of bending.

Valleys gutters and flashings shall also be galvanized sheet of thickness as specified in item. Valleys shall be 900 mm. Wide overall and flashing shall be 380mm.wide overall. They shall be bent to the required shape without damage to the sheet in the process of bending.

M-24. Asbestos Cement Sheets:

As best so cement sheets plain, corrugated or semi corrugated shall conform to I.S.459-1970.

Ridges & Hips:

Ridges and hips shall be same thick ness at that of A.C. sheets. The types of ridges suitable for the type of sheets and locations.

Other accessories to be used in roof such as flashing pieces, caves filler pieces' valley gutters, north light and ventilator curves, barge boards etc. shall be standard manufacture and shall be suitable for the type of sheets and location.

M-25. Mangalore Pattern Roof Tiles:

The Mangalore pattern tiles shall conform to I.S. 654-1972 for Class AA or Class "A" type as specified in item. Samples of the tiles to be provided shall be got approved from the Engineer-in-charge. Necessary tests shall be carried out as directed.

M-26. Shuttering:

The shuttering shall be either of widen planking of 30 mm. minimum thickness with or without steel lining roof steel plates stiffened by steel angles. The shuttering shall be supported on battens and beams and props of vertical bellies properly cross braced together so as to make the centering rigid. In places of bully props, brick pillar of adequate section built in mud mortar may be used.

The form work shall be sufficiently strong and shall have camber, so that it assumes correct shape after deposition of the concrete and shall be able to resist forces caused by vibration of live load of men working over it and other incidental loads associated with it. The shuttering shall have smooth and even surface and its joints shall not permit leakage of cement grout.

If at any stage of work during or after placing concrete in the structure, the form work sags or bulges out beyond the required shape of the structure, the concrete shall be removed and work red one with fresh concrete and adequately rigid form work. The complete from work shall be got inspected by and got approved from the engineer-in-charge, before the reinforcement bars are placed in position.

The props shall consist of bullies having 100 mm. minimum diameter measured at mix length and 80 mm, at thin end and shall be placed as per design requirement. These shall rest squarely on wooden sole plates 40 mm. thick and minimum bearing area if 0-10 sq. m. laid on sufficiently hard base.

Double wedges shall further be provided between the sole plate and the wooden props so as to facilitate tightening and easing of shuttering without jerking the concrete.

The timber used in shuttering shall not be so dry as to absorb water from concrete and swell or bulge nor so green or wet as to shrink after erection. The timber shall be properly sawn and planed on the sides and surface coming in contact with concrete. Wooden from work with metal sheet lining or steel plates stiffened by steel angles shall be permitted.

As far as practicable, clamps shall be used to hold the forms together and use of nails and spikes avoided.

The surface of timber shuttering that would come in contact with concrete shall be well wetted and coated with soap solutions before the concreting is done. Alternatively coat of raw linseed oil or oil of approved manufacturer may be applied in place of soap solution. In case of steel shuttering either soap solution or raw linseed oil shall be applied after thoroughly cleaning the surface. Under no circumstances black or burnt oil shall be permitted.

The shuttering for beams and slabs shall have camber of 4 mm. per meter (1 to 250) or as directed by the Engineer-in-charge so as to offset the subsequent deflection. For cantilevers, the camber at free end shall be 1/50 of the projected length or as directed by the Engineer-in-charge.

M-27. Expansion joints-Pre mounded filter:

The item provides for expansion joints in R.C.C frame structures for internal joints, as well as exposed joints, with the use of pre-mounded bituminous joint filler.

Pre mounded bituminous joint filler, i.e. performed strip of expansion joint filler shall not get deformed or broken by twisting, bending or other handling when exposed to atmospheric condition. Pieces of joint filler that have been damaged shall be rejected.

Thickness of the pre-molded joint filler shall otherwise specify.

Pre mounded bituminous joint filler shall conform toI.S.1838-1961.

M-28Expansion Joints- Copper strips &holdfasts:

The item provides for expansion joints in R.C.C frame structure for internal joints as well as for exposed joints with the use of necessary copper strip and hold fasts.

Copper sheet shall be of 1.25 mm. thick and of 1.25 mm. width when the 'U' shape in middle. Copper strips shall have hold fast of 3 mm. diameter copper rod fixed to the plate soldered on strip at intervals of about 30 cm. or as shown in the drawing or as directed. The width of each flange (horizontal side) of the copper plate to be embedded in the concrete work shall be 25 mm. Depth of 'U' to be provide in the expansion joint, in the copper plate shall be of 25 mm.

M-29. Teak wood:

The teak wood shall be of good quality as required for the item to be executed. When the kind of wood is not specifically mentioned, good Indian teak wood as approved shall be used.

Teak wood shall generally be free from large, loose, dead or cluster knots, flaws, shakes, warps, twists bend or any other defects. It shall generally be uniform in substance and of straight fibers as far as possible. It shall be free from rot, decay, harmful fungi and other defects of harmful nature which will affect the strength durability of it sues fullness for the purpose for which it is required. The color shall be uniform as far as possible. Any effort like painting, using any adhesive or resins materials made to hide the defects shall render the pieces liable to rejection by the Engineer-in-charge.

All scantlings, planks etc. shall be sawn in straight lines and planes in the direction of grains and of uniform thickness.

The tolerances in the dimensions shall be allowed at the rate of 1.5 m.m. per face to be planed.

First class teak wood: 29.5.1. First class teak wood shall have no individual hard and sound knots, more than 6 sq. cm. size and the aggregate area of such knots shall not be more than 1% of area of piece. The timber shall be closed grained.

Second Class Teak Wood :29.6.1. No individual hard and sound knots shall be more than 15 Sq. cms. in size and aggregate area of such knots shall not-exceed 2% of the area of piece.

M-29. (A)Non-teakwood:

The non teak-wood shall be chemically treated, seasoned as per IS Specifications and of good quality. The type of wood shall be got approved before collecting the same on site. Fabrication of wooden members shall be started only after approval.

For this purpose, wood of Bio, Kalali, Siras, Behda, Jamun, Sisoo will be used for door frames where as only Kalali, Siras, Halda, Kalam etc. will be permitted for shutters after proper seasoning and chemical treatment.

The non-teak wood shall be free from large, loose, dead of cluster knots, flows, shakes warps bends or any other defect. It shall be uniform in substance and of straight fibers as far as possible. It shall be free rots, decay harmful fungi and other defect so fnature which effect the strength, durability or it sues fullness for the purpose for which it is required. The color of wood shall be uniform as faras possible. The scantlings plank etc. shall be sawn in straight lines and planes in the direction of grain and uniform thickness.

The department will use the Agency to produce certificate from forest Department in event of Disputes and the decision of the Department shall be final and binding to the contractor.

The tolerance in the dimension shall be allowed as 1.5 mm. per face to be planed.

M-30. Wooden flush door shutters (solid core):

The solid core type flush door shutters shall be decorative or non-decorative type as specified in the drawing. The size and thickness of the shutter shall beas specified in drawings or as directed. The timber species for core shall be used as per I.S. 2202- (Part-I) 1980. The timber shall be free from decay and insect attack. Knots and knot holes less than half the width of cross-section of the members in which they occur may be permitted. Pitch pockets, Pitch streaks and harmless pinholes shall be permissible except in the exposed edges of the core members. The commercial plywood, cross-bands shall conform to

I.S.303-1275.

The face panel of the shutters shall be formed by gluing by the hot press process on both faces of the core with either plywood or cross-band sand face

veneers. The hopping rebating opening of glazing, Venetian etc. shall be provided if specified in the drawing.

All edges of the door shutters shall be square. The shutters shall be free twist or warp in its plane. Both faces of the shutters shall be sand papered to smooth even texture.

The shutters shall be tested for

(1) **End immersion test:** The test shall be carried out as per I.S. 2202 (Part-I) 1980. There shall be no de-lamination at the end of the test.

(2) **Knife test:** The face panel when tested in accordance with I.S. 1659-1979 shall pass the test.

(3) **Glue adhesion Test:** The flush door shall be tested for glue adhesive test in accordance with I.S. 2202 (Part-I) 1980. The shutters shall be considered to have passed the test if no de-lamination occurs in the glue lines in the plywood and if no single desalination more than 80 mm. in length and more than 3 mm. in depth has occurred in the assembly glue lines between the plywood face and the style and rail. Delaminating at the corner shall be measured continuously around the corner. Delaminating at the knots, knots hole sand other permissible wood defects shall not be considered in assessing the sample.

The tolerance in size of solid core type flush door shall be asunder: In

Normal thickness + 1.2 mm. In Normal height + 3 mm.

The thick of the shutters shall be uniform throughout with a permissible variation of not more than 0.8 mm. when measured at any two points.

M-31. Aluminum doors, Windows, Ventilators.

Aluminum alloy used in the manufacture of extruded window sections shall conform to I.S. designation HEA-WP of I.S. :733-1975 and also to I.S. Designation WVG-WP of I.S. 1285-1975. The Section shall be as specified in the drawing and design. The fabrication shall be done as directed.

The hinges shall be cast or extruded aluminum hinges of same type as in windows but of large size.

The hinges shall normal be of 50 mm. projecting type. Non-projecting type of hinges may also be used if directed. The handles of door shall be of specified in the drawing and design. The fabrication shall be done as directed.

M-32. Rolling Shutters:

The rolling shutter shall conform to I.S. 6248-1979. Rolling shutters shall be supplied of specified type with accessories. The size of the rolling shutters shall be specified in the drawings. The shutters shall be constructed with interlocking lath sections formed from cold rolled steel strips not less than 0.9

mm.thickand80mm.wideforshuttersupto3.5mm., widthnotlessthan1.25

mm. thick and 80 mm. wide for shutters 3.5 mm in width and above unless otherwise specified.

Guide channels shall be of mild steel deep channel section and of rolled pressed or built up(fabricated) jointures construction. The thickness of sheet used shall not be less than 3.15 mm.

Hood covers shall be made of M.S. Sheets not less than 0.92 mm. thickness for shutters having width 3.5 Meter and above the thickness of M.S. Sheet for the hood cover shall be not less than 1.25 mm.

The spring shall be of best quality and shall be manufactured from tested high tensile spring steel wire or strip of adequate strength to balance the shutters in all position. The spring pipe shaft etc. shall be supported on strong M.S. or malleable C.I. brackets. The brackets shall be fixed on or under the lintel as specified with raw plugs and screws bolts etc.

The rolling shutters shall be of self-rolling type up to 8 Sq.m. clear area without ball bearing and p to 12 Sq.m. clear area with ball bearing. If the rolling shutters are larger, then gear operated type shutters shall be used.

The locking arrangement shall be provided at the bottom of shutter at both ends. The shutters shall be opened from outside.

The shutters shall be completed with door suspension shafts, locking arrangements pulling hooks, handles and other accessories.

M-33. Collapsible Stee lGate:

The collapsible steel gate shall be in one or two leaves and size as per approved drawings or as specified. The gate, shall be fabricated from best- quality mild steel channels, flats etc. Either steel pulleys or ball bearing shall be provided in every double channel. Unless otherwise specified the particulars of collapsible gate shall be as under:

(a) Pickets: These shall be of 20 mm. M.S., channels of heavy sections unless otherwise shown on drawings. The distance center to center of pickets shall be 12 cms. with an opening of 10 Cms.

(b) Pivoted M.S. flats shallbe20mmx6mm.

(c) To pan bottom guides shall be from tee or flatiron of approved size.

(d) The fittings like stoppers, fixing hold fasts, locking cleats, brass handles and cast iron rollers shall be of approved design and size.

M-34. Welded Steel Wire Fabric:

Welded steel wire fabric for general purpose shall be manufactures from cold drawn steel wire “as drawn” or galvanized steel conforming to I.S. 226-1975 with longitudinal and transverse wire securely connected at every intersection by a process of electrical resistance welding and conforming to I.S. 4948-1974.It shall be fabricated and finished in workman like manner and shall be free from injurious defects and shall be rust proof. The type of mesh shall be oblong or square as directed. The mesh sizes and size of wire for square as well as oblong welded steel wire fabric shall be as directed. The steel wire fabric in panels shall be in one whole piece in each panel as far as stock size permit.

M-35. Expanded Metal Sheets:

The expanded metal sheets shall be free from flaws, joints, broken strands, laminations and other harmful surface Expanded metal steel sheet shall conform to I.S. 412-1975, Except that blank sheets need not be with guaranteed

mechanical properties. The size of the diamond mesh of expended metal and dimensions of strands (width and thickness) shall be as specified. The to learned in nominal weight of expended metal sheets shall be of + 10 percent.

Expanded metal in panels shall be in one whole piece panel each as far as stock size permit. The expanded metal sheets shall be coated with suitable protective coating to prevent corrosion.

M-36. Mild Steel Wire(Wire):

Mild steel wire may be galvanized, as indicated All finished steel wire shall be well cleanly drawn to the dimensions and size of wire as specified in item. The wire shall be sound, free from splits, surface flaws, rough jagged and imperfect edges and other harmful surface defects and shall conform to I.S. 280-1978.

M-37. Plywood:

The plywood for general purpose shall conform I.S. 303-1975.Plywood is made by cementing together thin boards or sheets of wood into panels. There are always an odd number of layers 3,5,7,9 ply etc. The plies are placed so that grain of each layer is right angle to the grain in the adjacent layer.

The Chief advantages of plywood over a signal board of the same thickness is the more uniform strength of the plywood, along the length and width of the plywoodandgraterresistancetocrackingandsplittingwithchangeinmoisture content.

Usually synthetic resins are used for gluing, phenolic resins are usually cured in a hot press which compresses and simultaneously heats the plies between hot plates which maintain a temperature of 90 degrees C. to 140 degrees C. and a pressure of 11 to 14 kg/sq.cm. on the wood. The time of heating may be anything from 2 to 69 minutes depending upon thickness.

When water glue issued, the wood absorbs so much water that the finished plywood must be dried carefully. When synthetic resins are used as adhesive finished by plywood must be exposed to an atmosphere of controlled humidity until the proper amount of moisture has been absorbed.

According to I.S. 303-1975 the plywood for general purpose shall be of three grades **BWR, WWR** and **CWR,** depending upon the adhesives used for bonding and veneers, and it will be further classified into six types namely AA, AB, AC, BB, BC and CC based on the quality of the two faces, each face being of three kinds namely, A, B and C, after pressing, the finished plywood should be reconditioned to a moisture content not less than 8 percent and not more than 16 percent.

Thickness of plywood Boards:

TABLE

Boar d	Thickness	Boar d	Thickness	Boar d	Thickness	Boar d	Thickness
3ply	3mm.	5ply	5mm.	7ply.	9mm.	9ply.	16 mm.
	4mm.		6mm.		13 mm.		19 mm.
	5mm.		8mm.		16 mm.	11 ply.	19 mm.

	6mm.		9mm.	9ply.	13 mm.		22 mm.
							25 mm.

M-38. Glass:

All glass shall be of the best quality free from specks, bubbles, smokes, veins, air holes' blisters and other defects. The king of glass to be used shall be mentioned in the item or specification or in the special provisions or as shown in detailed drawings. Thickness of glass panes shall be uniform. The specifications or different kinds of glass shall be as under.

Sheet Glass:

In absence of any specified thickness or weight in the item or detailed specifications of the item of work, sheet glass shall be weighing 7.5Kg/Sq.m. for panes up to 600 mm x 600 mm.

Forpaneslargerthan600 mm. x600mm. and upto800 m.x800 mm.the glass weighing not less than 8.75 Kg/Sq.m. shall be used. For bigger panes up to 900 mm. x 900 mm. glass weighing not less than 11.25 Kg/Sq.m. shall be used.

Sheet glass shall be patent flattened glass of best quality and for glazing and framing purposes shall conform to I.S.: 1761-1960. Sheet glass of the specified colors shall be used, if so shown on detailed drawings or so specified. For important buildings and for panes with any dimension over 900 mm. plate glass of specified thickness shall be used.

38.3. Plate Glass. 38.3.1. When plate glass is specified it shall be 'Polished patent plate glass' of best quality. It shall have both the surface ground flat and parallel and polished to obtain clear undisturbed vision and reflection. The plate glass shall be of the thickness mentioned in the item or as shown in the detailed drawing or as specified. In absence of any specified thickness and type of glass shall be as per details on drawings or as specified or as directed.

38.4Obscured Glass: 38.4.1. This type of glass transmits light so that vision is Partially or almost completely obscured. Glass shall be plain rolled, figured, ribbed or fluted or frosted glass as may be specified as required. The thickness and type of glass shall be as per details on drawings or as specified or as directed.

38.5. Wired Glass: 38.5.1 Glass shall be with wire netting embedded in a sheet of plate glass electrically welded 13 mm. Georgian square mesh may be used. Thickness of glass shall not be less than 6 mm. Wired glass shall be of type and thickness as specified

M-39. Acrylic Sheets:

39.1. Acrylic sheet be of thickness as specified in the item and of a specified shape and size as the case may be. Panels may be flat or curved. It should be light in weight. It shall be colorless or colored or opaque as specified in the item. Colorless sheet shall be as transparent as the finest optical glass. Its light transmission rate shall be about 95%. Transparency shall not be affected for the sheets of larger thickness. It shall be extremely resistant to sunlight, weather and low temperatures. It shall not show any significant yellowing or

change in physical properties or loss of light transmission over a longer period of use. The sheet shall be impact resistant also. Sheets should be available in complete range of standard transparent, translucent and opaque colors. Sheets shall be of such quality that they can be cut bent and jointed as desired. Solution for the joints shall be used as per the requirement of manufacturer.

M-40. Particle board:

40.1. The particle boards used for face panels shall be of best quality free from any defects. The particle boards shall be made with phenol aldehyde adhesive. The particle boards shall conform to I.S. 3087-1965. "Specification for wood particle board for general purpose". The size and the thickness shall be as indicated.

M-41. Expanded polystyrene off rammed stopper slabs:

41.1 The expanded polystyrene ceiling boards and tiles shall be approved make and shall be of size, thickness, finish and color as indicated. It shall be of high density and suitable for use as insulating material. The insulating material shall be like slab of The rmocol etc.

M-42. Resin bond definer glass:

42.1 The resin bonded fiber glass tiles, or rolls shall be of approved make and shall be of sizes, thickness and finish as indicated.

42.2. For test of Minerrak wool thermal insulation Blanket I.S.: 3144?1965 shall be followed.

42.3. Insulation wool blanket shall be with following coverings on one or both sides as indicated.

(1) Bituminized hessian Kraft paper for keeping out dust.
(2) Hessian cloth or Kraft paper for keeping out dust.
(3) G.I. wire netting, suitable for surface to be plastered over.

M-43. Fixtures and fastenings:

General

The fixtures and fastenings, that is, butt, hinges, tee and strap hinges sliding door bolts, tower bolts, door latch, bath room latch, handles, door stoppers, casement window fasteners, casement stays and ventilators catch shall be made of the metal as specified in the item or its specifications.

They shall be of iron, bras, aluminum, chromium plated iron chromium plated brass, copper oxidized iron, copper oxidized brass or anodized aluminum as specified.

The fixtures shall be heavy, Medium or light type. The fixtures and fastenings shall be smooth finished and shall be such as will ensure ease of operation.

The samples of fixtures and fastenings shall be got approved as regards quality and shape before providing them in position.

Brass and anodized aluminum fixtures and fastenings shall be bright finished.

Hold fasts:

43.2.1. Hold fasts shall be made from mild steel flat 30 cm. length and one of the holdfasts shall be bent at right angle and two nos. of 6 mm. diameter holes shall

be made in it for fixing it to the frame with screws. At the other end. The holdfast shall be forked and bent at right angles n opposite directions.

But things:

Railway standard heavy type but things shall be used when so specified.

The straphangs shall be manufactured from M.S. Sheet.

Siding door bold (AL drops):43 The AL drops as specified in the item shall be used and shall be got be got approved.

Tower bolts (Barrel Type):43.5.1: Tower bolts as specified in the item shall be used as shall be used and shall be got approved.

DoorLatch:**43.7.1**Thesizeofdoorlatchshallbetakenasthelengthoflatch.

Bathroom Latch:43.5.1Bathroomlatchshallbesimilartotowerbolt.

Handle: The size of the handles shall be determined by the inside grip length of the handles. Handles shall have a base plate of length 50 mm more than size of the handle.

Door Stopper: 43.9.1 door stoppers shall be either floor door stopper type or door catch type floor stopper shall be of overall size as specified as shall have rubber cushion.

Door Catch :43.10.1 Door catch shall be fixed as height of about 900 mm from the floor level so that one part of the catch is fitted on the inside of the shutter and the other part is fixed in the wall with necessary wooden plug arrangements for appropriate fixate. The catch shall be fixed 20 mimesed the face of the door for easy operation of catch.

Wooden Doors top with highs:

wooden door stop of size 100mm X60 mm X 40 mm shall be fixed on the door frame with a high of75mmsizeathighof900 mm from the floor level the wooden door stop shall be provided with 3 coats of approve oil paint.

Case meant window fastener: Casement window fastener for single leaf window shutter shall be left or right handled as directed.

Casement stays (straight peg stay):

The stays shall be made from a channel section having three holes at appropriate position so that the window can be opened either fully or partially as directed as directed. size of the stay shall be 250 mm to 300 mm as directed.

Ventilator catch:

The pattern and shape of the catch shallbe as approved.

Pivot:

The base and socket plate shall be made from minimum 3 mm thick plate and projected pivot shall not be less than 12 mm length and shall be firmly riveted to the base plate in case of brass pivot.

M-44. Paints:

(A)Oil Paints:

Oil Paints shall be of the specified color and shade, and as approved. The ready mixed paints shall only be used. However, if ready mixed paint or specific shade or tint is not available, white ready mixed paint with approved strainer will be

allowed. In such a case, the contractor shall ensure that the shade of the paint so allowed shall be uniform.

All the paints shall meet following general requirements:

(i) Paint shall not show excessive setting in a freshly opened full can and shall easily be redispressed with a paddle to a smooth homogeneous state. The paint shall show no curing, levering, caking or color separation and shall be free from lumps and skins.

(ii) The paint as received shall brush easily, possess good leveling properties and show no running or sagging tendencies.

(iii) The paint shall not skin within 48 hours in a three quarters filled closed container.

(iv) The paint shall dry to a smooth uniform finish free from roughness, grit, unevenness and other imperfections.

Ready mixed paint shall be used exactly as received from the manufactures and generally according to their instructions and without any admixtures whatsoever.

(B)Enamel Paints:

The enamel paint shall satisfy in general requirements as mentioned in specification of oil paints. Enamel paint shall conform to I.S. 2933-1975.

M-45French polish:

The French polish of requirement and shape shall be prepared with the below mentioned ingredients and other necessary materials:

(I)Denatured sprit of approved quality(ii)Chandra's (iii)Shellac(iv)Pigment.

TheFrenchpolishsopreparedshallconformtoI.S.:348-1968.

M-46Marble chips for marble mosaic terrazzo:

The marble chips shall be of approved quality and shades. It shall be hard, sound, dense and homogenous in texture with crystalline and coarse grains. It shall be uniform in color and free from stains, cracks decay and weathering.

The size of various color so marble chips of approved quality and colors only as per grading as decided by the Engineer-in-charge shall be used for marble mosaic tiles or works.

The marble chips shall be machine crushed. They shall be free from foreign matter, dust etc. Except as above, the chips shall conform to I.S.: 2114-1962.

M-47. Flooring Tiles:

(A)Plain Cement tiles:

The plain cement tiles shall be general purpose type. These are the tiles in the manufacturer of which no pigments are used Cement used in the manufacturer of tiles shall be as per Indian Standards.

The tiles shall be manufactured from a mixture of cement and natural aggregates by pressure process. During manufacture, the tiles shall be subjected to a pressure of not less than 140 Kg/Sq. Cm. The proportion of cement to aggregate in the backing of the tiles shall be not less than1:3 by

weight. The wearing face through the tiles are of plain cement, shall beprovided with stone chips of 1 to 2 mm. Size. The proportions of cement to the marble chips aggregate in the wearing layer of the tiles shall be three parts of cement to one part chips by weight. The minimum thickness of wearing layer shall be 3 mm. The color and texture of wearing layer shall be uniform throughout its face and thickness. On removal from mould, the tiles shall bekept in moist conditions continuously at least for seven days and subsequently, if necessary, for such long period as would ensure their conformity to requirements of I.S.: 1237-1980 regarding strength resistance to wear and water absorption.

The wearing face of the tiles shall be plain, free from projections, depressions and cracks and shall be reasonably parallel to the back face of the title. All angles shall be right and all edges shall be sharp and true.

The size of tiles shall generally be square shape 24.85 Cm. x 24.85 Cm. or 25 Cm. x25 Cm. The thickness of tiles shall be 20 mm.

Tolerance of length and breadth shall be plus or minus one millimeter, Tolerance or thickness shall be plus 5 mm.

The tiles shall satisfy the tests as regards transverse strength, resistance to wear and water absorption as per I.S.:1237-1980.

(B)Plain Colored Tiles:

These tiles shall have the same specification as per plain cement tiles as per (A) above except that they shall have a plain wearing surface where in pigments are used. They shall conform to I.S. 1237-1980.

The pigment used for coloring cement shall not exceed 10 percent by weight of cement used in the mix. The pigments, synthetic or otherwise, used for coloring tiles shall have permanent color and shall not contain materials detrimental to concrete.

The color of the tiles shall be specified in the item or as directed.

(C)Marble mosaic tiles:

These tiles have the same specifications as per plain cement tiles except the requirements as stated below:

The marble mosaic tiles shall conform toI.S.1237-1980.Thewearingface of the tiles shall be mechanical ground and filled. The wearing face of tiles shall be free from projections, depressions and cracks and shall be reasonably parallel to the back face of the tiles. All angles shall be right angle sand all edges shall be sharp and true.

Chips used in the tiles be from smallest up to 20 mm. size. The minimum thickness of wearing layer of tiles shall of 6 mm. For pattern of chips to be used on the wearing face, a few samples with or without their full size photographs as directed shall be presented to the Engineer-in-charge for approval.

Any particular samples, If found suitable shall be approved by the Engineer-in-charge, or he may ask for a few more samples to be prepared

indicating roughly the particular sized chips to be more or less in the samples presented. The samples have to be made by the contractor till a suitable sample is finally approved for use in the work.

The Contractor shall ensure that the tiles supplied for the work shall be in conformity with the approved sample only, in terms of its dimensions, thickness of backing layer and wearing surface, materials, ingredients, color shade, chips, distribution etc. required.

The tiles shall be prepared from cement conforming to Indian Standards or colored Portland cement generally depending upon the color of tiles to be used or as directed.

(D) Chequred Tiles:

Chequred tiles shall be plain cement tiles or marble mosaic tiles. The former shall have the same specification as per (A) above and the letter as per marble mosaic tiles as per (C) except as mentioned below:

The tiles shall be of nominal size of 250 mm. x 250 mm. or as specified. The center to center distance of chequered shall not be less than 25 mm. and not more than 50 mm. The overall thickness of the tile shall be 22 mm.

The grooves in the chequers shall be uniform and straight. The depth of the grooves shall not be less than 3 mm. The chequred shall be plain, colored or mosaic as specified. The thickness of the upper layer measured from the top of the chequres shall not be less than 6 mm. The tiles shall be given the first grinding with machine before delivery to site.

Tiles shall conform to relevantI.S.1237-1980.

(E)Chequred Tiles for Staircases:

The requirements of these tiles shall be the same as chequred as per (D) above except in following respects;

(1) The length of a tile including nose shall be330mm.

(2) The minimum thickness shall be28mm.

(3) The noising shall have also the same wearing layer a sat the top.

(4) The nosing edge shall be rounded.

(5) The front portion of the tile for a minimum length of75 mm.from and including the nosing shall grooves running parallel to noising and at center not exceeding 25 mm. Beyond that the tiles shall have normal chequer pattern.

M-48. Rough Kotah Stone:

The kotah stones shall be hard, even, sound, and regular in shape and generally be green. Brown color stones shall not be allowed for use. They shall be with out any soft veins, cracks or flows.

The size of the stones to be used for flooring shall be of size 600 mm x 600 mm and/or size 600 mm x 450 mm, as directed. However smaller sizes will be allowed to be used to the extent of maintaining required pattern. Thickness shall be as specified.

Tolerance of minus 30 mm. on account of chisel dressing of edges shall be permitted for length as well as breadth. Tolerance in thickness shall be + 3 mm.

The edges of stones shall be truly chiseled and table rubbed with coarse sand before paving. All angles and edges of the stone shall be true, Square and free from chipping and the surface shall be true and plain.

When machine cut edges are specified, the exposed edges and the edges atjoints shall be machine cut. The thickness of the exposed machine cut edges shall be uniform.

M-49. Polished Kotah Stones

Polished kotah stone shall has same specifications as per rough kotah stone except as mentioned below:

The stones shall have machine polished smooth surface. When brought on site, the stones shall be single polished or double polished depending upon its use. The stones for paving shall generally be single polished. The stones to be used for dado, skirting, platforms, sink, veneering, sills, steps, etc. Where machine polishing after the stones are fixed in situ is not possible, shall be double polished.

M-50. Dholpur Stone Slab:

Dholpur stone slab shall be of best quality as approved by the Engineer-in- charge The stone slab shall be even, sound and durable, regular in shape and of uniform color.

The size of the stone shall be specified in the item or detailed drawings or as approved by the Engineer-in-charge. The thickness of the stone shall be as specified in the item of work with the permissible to lerance of plus or minus 2
mm. The provisions in respect of polishing as for polished Kotah stone shall apply to polished Dholpur stone also. All angles and edges of the face of the stone slab shall be fine chiseled or polished as specified in the item of work and all the four edges shall be machine cut. All angle and edges of the stone slab shall be true and plane.

The sample of stone shall be got approved form the Engineer-in-charge for shade and tint for a particular work. It shall be ensured that stones to be used in a particular work shall not differ much in shade or tint from the approved sample.

M-51. Marble Slab:

Marble slab shall be while or of other color and of best quality as approved by the Engineer-in-charge

Slabs shall be hard, uniform and homogeneous in texture. They shall have even crystalline grain and free from defects and cracks. The surface shall be machine polished to an even and perfectly plant surface and edges machine cut true and square. The rear face shall be rough to provide key for the mortar.

Marble slabs with natural veins, if selected shall have to be laid as per the pattern given by the Engineer-in-charge. Sizeof the slab shall be minimum 450mm x 450mm. and preferable 300 mm x 600 mm. However, smaller sizes will be allowed to be used to the extent of maintaining required pattern.

The slab shall not be thinner than the specified thickness at its thinnest part. A few specimen of finished slab to be used shall be deposited by the Contractor in the office for reference.

Except as above, the marbles labs shall conform to I.S.1130-1969.

M-52Granite Stone Slab:

Granite shall be of approved color and quality. The stone shall be hard, even, sound regular in shape and generally uniform in color. It shall be without any soft veins, cracks of flows.

The thickness of the stone shall be as specified in items.

All exposed face shall be double polished to tender truly smooth and the even reflecting surface. The exposed edges and corners shall be rounded off as directed. The exposed edges shall be machine cut and shall have uniform thickness.

M-53P.V.C. Flooring:

P.V.C sheets for P.V.C. floor covering shall be homogenous flexible type, conformingtoI.S.3452-1966.TheP.V.C covering shall neither develop any toxic effect while put to use nor shall give off any disagreeable order.

Thickness of flexible type covering tiles shall be as specified in the description of the item.

The flexible type shall be backed with Hussein or other woven fabric. The following tolerances shall be applicable on the nominal dimension of the sheet rolls or tiles:

(a) Thickness+0.15mm

(b) Length or Width:

1. 300mm.square tiles +0.20mm.
2. 390.0mm.squaretiles +0.30mm.
3. 600mm.square tiles +0.40mm.
4. Sheets ad rolls +0.10percent

Adhesive:

The adhesive for PVC flooring shall be of the type and make recommended by the manufactures of PVC sheets/tiles.

M-54. Facing tiles:

The facing tiles (burnt clay facing bricks) shall be free from cracks, flaws and nodules of free lime. They shall be thoroughly burnt and shall have plane rectangular faces with parallel sides and sharp straight right edged faces. The texture of the finished surface that will be exposed when in place, shall conform to an approved sample consisting not less than four stretcher brick reach

representing the texture desired. The facing tiles shall have a pleasing appearance, sufficient resistance to penetration by rain and greater durability than common bricks. The tiles shall conform to I.S. 2691-1972.

The standard size of facing brick tiles shall be 19 x 9 x4 cms. The facing brick tiles shall be provided with frog which shall conform to I.S. 1077-1976.

Thepermissibletoleranceindimensionsspecifiedaboveshallbeasfollows:

Size To lerance for	**1st class Brick**	**2nd class Brick**
19cm	+6mm.	+10mm.
9cm.	+3mm.	+7mm.
4cm.	+1.5mm	+3mm.

The to lerance for distortion or war page of face or edges of individual brick from a plane surface and from a straight line respectively shall be as follows: Facing dimensions' Permissible tolerance

Max.below19cms.Max.2.5mm.

-do-above19cm.Max3.0mm.

The average compressive strength obtained as sample of five tiles when tested in accordance with the procedure laid as per I.S. 1077-1976 shall be not less than175Kg./Sq.Cm.The average compressive strength of any individual bricks shall be not less than 160 Kg/Sq.Cm.

The average water ab sorption for five bricks tiles shall not exceed 12 percent of average weight of brick before testing.

The absorption for each individual bricks shall not exceed 25 percent.

The brick tiles when tested in accordance with I.S.1077-1976, the rate of Efflorescence shall not be more than 'Slightly effloresced.

M-55. White glazed tiles:

The tiles shall be of best quality as approved by the Engineer-in-charge. They shall be flat and true to shape. They shall free from cracks, crazing, spots chipped edges and corners. The glazing shall be of uniform shade.

The tiles shall be nominal size of150 mm x 150mm. unless otherwise specified. The maximum variation from the stated sizes, other than the thickness of tile, shall be plus or minus 1.5 mm. The thickness of tile shall be 6 mm. Except as above the tiles shall conform to I.S. 777-1970.

M-56. Galvanized iron pipes and fittings: 56.1. Galvanized iron pipe shall be of the medium type and of required diameter and shall comply with I.S. 1239-1979. The specified diameter of the pipes shall refer to the inside diameter of the bore, Clamps, screw and all galvanized iron fittings shall be of the standard 'R' or equivalent make.

M-57. Bibcock and stopcock:

A bib cock is a draw off tap with a horizontal inlet and free outlet. A stop cock is a valve with a suitable means of connection for insertion in a pipe line for controlling or stopping the flow.

They shall be of screw down type and of brass chromium plated and of diameter as specified in the description of the item. They shall conform to I.S. 781-1977 and they shall be of best Indian make. They shall be polished bright.

The minimum finished weight of bib cock and stop cock shall be as given below :

Diameter	Bib cock	Stop cock	Diameter	Bib cock	Stop cock
8 mm	0.25 Kg.	0.25 Kg.	15 mm.	0.40Kg.	0.40 Kg.
10 mm.	0.30Kg.	0.35Kg.	20mm.	0.75Kg.	0.75 Kg.

M-58. Gun metal wheel valve:

The gun metal wheel valve be of approved quality. These shall be gun metal fitted with wheel and shall be of gate valve opening full way and of the size as specified. These shall conform to I.S. 778-1971.

M-59. White glazed porcelain wash basin:

Wash basin shall be of white porcelain first quality best Indian make andit shall conform it I.S. 2556 (Part-IV) 1972 and I.S. 771-1979.

The size of the wash basin shall be as specified in the item; Wash basin shall be of one-piece construction with continued over-flow arrangements. All internal angles shall be designed so as to facilitate cleaning. Washbasin shall have single tap hole or two holes as specified. Each basin shall have a circular waste hole which is either rebated or beveled internally with 65 mm. diameter at top and 10 mm. depth to suit the waste fitting. The necessary stud slot to receive the bracket on the underside of the basin shall be provided. Basin shall have an internal soap holder recess which shall fully drain into the bowl.

White glazed pedestal of the quality and color as that of the basin shall be provided where specified in the item. It shall be completely recessed at the back for reception of supply and wash pipe. It shall be capable of supporting the basin rigidly and adequately and shall be so designed as to make the height from floor to top of basin 750mm. to 800 mm. as directed.

M-60. European type water closet/with low level flushing:

The European type water closet shall be white glazed porcelain first quality and shall be of wash down type conforming to I.S. 2556-1973 and I.S. 771-1979.

'S' trap shall be provided as required with water seal not less than 50 mm. The solid plastic seat and cover shall be of the best Indian make conforming to I.S. 2548-1980. They shall be made of molded syntactic materials which shall be tough and hard with high resistance to solvents and shall be free from blisters and other surface defects and shall have chromium plated brass hinges and rubber buffer of suitable size.

M-61. Orissa type water closet:

The specification of Orissa type white glazed water closet of first quality shall conform to I.S. 2556 (Part-III) 1981 and relevant specification of Indian type water closet except that pan will be with the integral squatting pan of size 580 mm x 440 mm. with raised footrest.

M-62. Indian type water closet:

The Indian type white glazed water closet of first quality shall be of size as specified in the item and conforming to I.S. 771-1979 and I.S. 2556 (Part-II) 1981. Each pan shall have integral flushing ring of suitable type with adequate number of hole salroung as directed to have satisfactory flushing. It shall also have inlet at back or front connecting flush pipe as directed. The inside of the bottom of the pan shall have sufficient slope from the front towards the outlet and surface shall be uniform and smooth.

Panshallbeprovidedwith100 mm. diameter 'P' or 'S' trap with approximately 50mm.watersealand50mm.diameterventhorn.

M-62. (A) Foot Rests:

62-A-1A pair of white glazed earthen ware rectangular foot rests of minimum size 250 mm. x 130 mm 20 mm. shall be provided with water closet.

M-63. Glazed Earthen Ware Sink:

The glazed earthen-ware sink shall be specified size color and quality. The sink shall conform to I.S. 771 Part-II-1979 waste coupling of standard pattern with brass chain and rubber plug shall be provided with sink.

The pipes shall conform to I.S. 1239-Part-I 1973 and I.S. 404-1962 for steel and lead pipes respectively 32 mm. brass waste coupling of standard pattern with brass chain and rubber plug shall be provided with sink.

M-64. Glazed earthen ware Lipped type flat back urinal/corner type urinal:

64.1 The lipped type urinal shall be flat back or corner type as specified in the item and shall conform to I.S. 771-1979. It shall be of best Indian make and size as specified and approved by the Engineer-in-charge. The flat back or corer type urinal must be 1stquality free from any defects, cracks, etc.

M-65. Low levele name flushing tank:

65.1. The low level flushing tank shall be of 15 liters' capacity. It shall conform to I.S. 774-1971. The flushing vaster shall be of best quality and free from any defects. The flushing tank shall have outlet 32 mm. diameter The outlet shall be connected with W.C. Pan by lean pipe or P.V.C. pipe as specified. The flushing tank shall be provided with inlet and outlet for fixing G.I. inlet pies and over- flow pipes. The flushing cistern shall be provided with chromium plated handle for flushing. The flushing tank shall be provided with brackets of cast iron so that it can be fixed on wall at specified height. The brackets shall Conform to I.S. 775-1970.

M-66. Cast-iron flushing cistern:

66.1. The cast iron flushing cistern shall be of 15 liters' capacity. It shall conform to I.S. 774-1971. The flushing cistern shall be of best quality free from any defects. The flushing cistern shall have outlet of 32 mm. diameter. The outlets shall be connected to lead pipe of 32 mm. diameter. The lead pipe shall conform to I.S. 404(Part-I) 1962.For fixing G.I.inlet pipesand overflowpipe 20 mm.diameter. inlet and outlet shall be provided. The flushing cistern shall be provided with galvanized iron chain and pull of sufficient length and shall be got approved fromtheEngineer-in-charge. The castiron flushing cistern shall be painted with one coat of anticorrosive paint and two coats of paints. The flushing cisternshall be fixed on two C.I. brackets. The C.I. brackets shall conform to I.S. 775- 1970.

M-67. Flush cock:

Half turn flash cock (Heavy Weight) shall be of gun metal chromium plated of diameter as specified in the description of the item. The flush cock shall conform to relevant Indian Standard.

M-68. Castiron pipe sand fittings:

All soil waster, vent and anti syphonage pipes and fittings shall conform to I.S. 1729-1964.The pipe shall have spigot and socket ends with head on spigot end. The pipes and fittings shall be true to shape, smooth, cylindrical, their innerand outlet surfaces being as nearly as practicable concentric. They shall be sound and nicely cast and shall be free from cracks, laps, pinholes or other imperfection and shall be neatly dressed and carefully fettled.

Theendof pipe sand fittings shall be of reasonable square to their axis.

The sand cast iron pipes shall be of the diameter as specified in the description and shall be in lengths of 1.5 M, 1.8 M. and 2 M. including socket ends of the pipe unless shorter lengths are either specified or required at junctions etc. The pipes and fittings shall be supplied without ears unless specified or directed otherwise.

Tolerances.

The Standard weights and thickness of pipes shall be as shown in the following table: A tolerance up to minus 10 percent may however be against these standard weights.

Sr. no.	Nomin al	Thickness		Overall Weight of ears	pipe excluding
			1.5 m. Long	1.8m.long	2.m. Long
1.	75 mm.	50 mm.	12.83Kg.	16.52Kg.	18.37 Kg.
2.	100 mm.	5.0 mm.	18.14Kg.	21.67Kg.	24.15 Kg.

A tolerance up to minus 15 percent in thickness and 20 mm.in length will be allowed. For fittings tolerance in lengths shall be plus 15 mm. and minus 10 mm.

The thickness of fittings and their socket and spigot dimensions shall conform to the thickness and dimensions specified for the corresponding sizes of straight pipes. The tolerances in weights and thickness shall be the same as for straight pipes.

M-69. Nahni Trap:

Nahni trap shall be of cast iron and shall be sound and free from porosity or other defects which affect serviceability The thickness of the base metal shall not be less than 6.5 mm. The surface shall be smooth and free from craze, ships and other flaws or any other kind of defects which affect serviceability. The size of nahni trap shall be as specified and shall be of self-cleaning design.

The Nahni trap shall be of quality approved by the Engineer-in-charge and shall generally conform to the relevant Indian Standards.

The Nahni trap provided shall be with deep seal, minimum 50 mm, except at places where trap with deep seal cannot be accommodated. The cover shall be cast iron. Performed cover shall be provided on the trap of appropriate size.

M-70. Gully Trap:

Gully Trap shall conform to I.S. 651-1980. It shall be sound, free defects such as fire cracks. The glaze of the traps shall be free from crazing. They shall give a sharp clear note when struck with light hammer. There shall be no broken blisters.

The size of the gully trap shall be as specified in the item.

Each gully trap shall have one C.I. gratings of square size corresponding to the dimensions of inlet of gully trap, It will also have a water tight. C.I. cover with frame inside dimensions 300 mm. x 300 mm., the cover with frame inside dimension,300mm.300mm., the cover weighing not less than 4:53 Kg. and the frame not less than 2.72 Kg. The grating cover and frame shall be of sound and good casting and shall have truly square machined seating faces.

M-71. Glaze Stone Ware Pipe And Fitting:

The pipes and fittings shall be of best quality as approved by the Engineer-in- charge. The pipe shall be of best quality manufactured from stone-ware of fire clay, salt glazed thoroughly burnt through the whole thickness, of a close even texture, shall be smooth and perfectly glazed. The pipe shall be capable to with stand pressure of 1.5 mm. lead without showing sign of leakage. The thickness of the wall shall not be less than $1/12^{th}$of the internal dia. The depth of socket shall not be less than 38 mm. The socket shall be sufficiently large to allow a joint of 1 mm. around the pipe.

ThepipesshallgenerallyconformtorelevantI.S.651-1980.

M-72. Wall Peg Rail:

The aluminum wall peg rail shall have three aluminum page so approved quality and size. It shall be fixed on teakwood plant of size 450 mm. x 75 mm. x 20 mm. The teakwood shall be French polished or oil painted as specified.

M-73. G.I. Water Spot:

The G.I. pipes of40mm.dia shall be of medium quality and specials shall be of 'R' brand or equivalent brand of best approved quality.

The pipe shall have length as required for the thickness of wall in which it is fixed. and at the outside end tee and bend cut at half the length shall be provided and at other end coupling shall be provided to have better fixing. The water spout shall be provided as per detailed drawings or as directed.

M-74. Asbestos Cement Pipe (A.C. Pipe):

The asbestos cement pipe of diameter as specified in the description of the item shall conform to I.S. 1626-1980. Specials like bends, shoes cowls, etc. shall conform to relevant Indian Standards. The interior of pipe shall have a smooth finish, regular surface and regular, internal diameter. The tolerance in all dimensions shall be as per I.S. 1626-Part-I 1980.

M-75. Crydon Ball valve:

Ball valve of screwed type including polyethylene float and necessary lever etc. shall be of the size as mentioned in the description of item and shall conform to I.S.1703-1977.

M-76. Bitumen Felt for Water Proofing and Damp Proofing:

76.1 Bitumen felt shall be on the fiber bases and shall be type 2, self finished grade-2 and shall conform to I.S. 1322-1970.

M-77SelectedEarth:

The selected earth shall be hat obtained from excavated material or shall have to brought from outside as indicated in the item. If item does not indicate anything, the selected earth shall have to be brought from outside.

The selected earth shall be good yellow soil and shall be got approved from the Engineer-in-charge. In no case black cotton soil or similar expansive and suitable soil shall be used. It shall be clean and free from all rubbish and perishable materials, stones or brick bats. The clods shall be broken to a size of

50. mm or less, Contractor shall make his own arrangement at his own cost for land for borrowing selected earth. The stacking of material shall be done as directed by the Engineer-in-charge in such a way as not to interfere with any constructional activities and in proper stacks.

When excavated material is to be used, only selected stuff got approved form the Engineer-In-Charge shall be used. It shall be stacked separately and shall comply with all the requirements of selected earth mentioned above:

M-78. Barbed Wire:

The barbed wire shall be of galvanized steel and it shall generally conform to I.S. 278-1978. The barbed wire shall be if Type-I whose nominal diameter for line wire shall be 2.5 mm. and point wire 2.24 mm. The nominal distance between two bars shall be 75 mm. Unless otherwise specified in the item. The barbed wire shall be formed by twisting together two line wires, one containing the barbs. The size of the line and point wires and barb spacing shall be as specified above. The permissible deviation from the nominal diameter of the line wore and point wire shall not exceed + 0.08 mm.

The barbs shall carry four points shall be formed by twisting two point wires each two turns, lightly round one-line wire, making altogether four complete turns. The barbs shall be so finished that the four points are set and locked at right angles to each other. The barbs shall have a length of not less than 13 mm. and not more than 13 mm. and not more18 MM. The points shall be sharp and cut at an angle not greater than 35 degree of the axis of the wire forming the barbs.

The lind and point wire shall be circular section free from scale and other defects and shall be uniformly galvanized. The line wire shall be in continuous length and shall not contain any weld other than those in the rod before it is drawn. The distance between two successive splices shall not be less than 15 meters.

The length spar 100Kg.of barbed wireI.S. type shall be asunder
Nominal 1000-meter Minimum 834 Meter Maximum 1066 Meter.

ITEM WISE SPECIFICATION-CIVIL WORKS

(As per separate sheet attached)

GENERAL MATERIAL SPECIFICATIONS FOR BRAND NAMES TO BE USED FOR THE EXECUTION WORKS (MAKE LIST)

Sr. No.	Materials	Brands
1	Ordinary Portland Cement	Ambuja, Ultratech, Sanghi,ACC,Kamal,Hathi, BirlaCement,Binani,JKLaxmi,Siddhi, Jaypee,hi bond,wonder
2	White Cement/Putty	J.K.White,BirlaWhite,Burger
3	Reinforcement Bar	Essar, NRE, Electrotherm, National, Tata, Jindal, Sail,hytuff,Gallalant,German,Nilkanth,KothiGold, Ultra Tuff, GOD, Shree om, Vibrant, Rudra, Utkarsh, Friends steel, Mono Brand steel
4	Structural Steel	SAIL,TISCO,ISCO,Vizag,Asianconfirmingto RelevantIScodes
5	ACC Block Bricks	-SuryaShree, Wonder,Magicrete,Buildcon, MAP Product Pvt Ltd. -Goodquality bricksconfirming relevant I.S.CODES(IS:1077)
6	Teak Wood	Bulsar/C.PTeak(SecondClass specified)
7	Sal Wood	Salwood[IndianorImported]Firstclass
8	Kota Stone / Marble/ Granite/ Jaisalmer Stone	Asperapprovedsample
9	Ceramic Tiles(Coloured)	BellCeramics,Somany,Kajaria,Nitco,Cera, Johnson,AGL,Euro, Varmora
10	Vitrified Tiles	BellCeramics,Somany,Kajaria,Nitco,Cera, Johnson,AGL,Euro, Varmora
11	ChequeredCementTiles /DecorativeTiles	BellCeramics,Somany,Kajaria,Nitco,Cera, Johnson,AGL,Euro, Varmora
12	GlazedTiles	BellCeramics,Somany,Kajaria,Nitco,Cera, Johnson,AGL,Euro, Varmora
13	Interlockingpaver blocks	AsPerSpecificationandAsPerapproved sample
14	Plywood Products Commercial Block Board Commercial Ply Teak Ply	Greenply, Novopan ,Kitply ,Century, Anchor, Duro, National wood craft, Alpro, Neolux Laminated, Formica, Decoboard, Sunmica Board/Bhutan,GreenPly,WesternIndiaplywood (WIP).M.P.,Mysoremarine
15	Laminates/Decorativelaminates/Sun-mica	Decolam,GreenlamMerinolamFormica, National laminate,Neoluxe,Decolite,RoyalTouch
16	Prelaminated board	Bhutan,Novapan,Ecoboard,BakeliteHylem Nepalboard, Greenboard
17	ImpregnatedFibreBoard	ShalitexbyShalimarTar Product
18	Flush Doors	Century,Green,Kitply,Sitapuri,Kepton, Woodco

Sr. No.	Materials	Brands
	FRP doors	
19	AluminiumSection	Indal,Hindal,Jindal,Banco,Gujarat Extrusion,Hindalco, Domal
20	All AluminiumHardware, Fittings	Everite,Garnish,Arches,Kausal,NuliteAlif, Shalimar(Bombay)Singla,Opel,Bolt, Arhish
21	Aluminium Doors, Windows, Partitions Fabricators	AsapprovedbyEIC/Consultant
22	Stainless Steel Hardware's Fittings	Kitch, Dorma
23	Glass/Float/Sheet	SaintGobain,Modi,HindustanPilkington,Tata, Asahi.
24	DoorCloser/ Floor Spring	Godrej/Everite,Opel,Doorking/ Hardwin, Nulite,Hyper,Ezec,
25	Locks	Euro,Godrej,Harrison, Plaza,Golden,Doorset
26	FrictionHinges	Imax,EBCOorequivqlent
27	Rolling Shutters	'Standard','Swastik','Diana','Hercules','Sona'
28	PolysulphideSealantFor ExpansionJointsAll Windows	ChokesyChemical,StructureProofingCo Pidilite,GESilicon,Tuffseal
29	SyntheticEnamel Paints/ Oilbounddistemper	ICI', Nerolac,Berger,Johnson&Nicholson, AsianPaint,Dulux
30	WaterProofAcrylic Paints /WeatherproofAcrylicPaints	ICI', Nerolac,Berger,Johnson&Nicholson, AsianPaint,Dulux
31	Plastic Emulsion paint	ICI', Nerolac,Berger,Johnson&Nicholson, AsianPaint,Dulux
32	DryDistemper/ OilBoundDistemper	ICI', Nerolac,Berger,Johnson&Nicholson, AsianPaint,Dulux
33	DucoSprayPaint	ICI
34	Polyurethane Paint	MRF
35	WaterProofing Compound	'CICO',Fosroc,GEsilliconPidilite,MC-Bauchmie,Sika,Farmate
36	WeatherSealent/Silicon sealant/ Polyisobutylene sealant	Fosroc,Pidilite,MC-Bauchmie,Wecker789,Dow corning789
37	Hardeners	'Ironite','Ferrok','Hardonate'.
38	WireMesh	SterlingEnterprises,Trimurti,WeldedMesh
39	Anti-TermiteTreatment	Thyodin by Hoechest, Lyntric by Bayer India, DurmetbyCynamid India, NocilPyramidwith5 year warranty
40	PolycarbonateSheetSets	Lexan, GE
41	M.S. Tubes	TATA,SAIL,Vizag,Jindal,Surya
42	AluminiumComposite Panel	Flexibond-UmiyaFlexifoamPvt. Ltd., Aludecor Lamination Pvt. Ltd., Indobond-ACP Marketing Pvt.Ltd.,Eurobond,Ultrabond, Durabuild,Ultra Panel
43	PrecoatedSheets	TataBluescope,Multicolorsteels,Interarch,

Sr. No.	Materials	Brands
		Kirby,Tigersteel.
44	Lift	OTIS,Mitsubishi,Hitachi,Schindler,Johnson, Kone,Trio
45	PolyesterFibre	Recron3S,Formate
46	WeldingRod	Advani,Philips,Sunarc,Eshab
47	ConstructionChemicals	Fosroc,MC-Bauchmie,Sika,Pidilite,Formate
48	Electricalcopperwires (Flexible)	FRLStypepolycab,RRKable, Finolax,L&T,Avocab,Havells
49	Electricalplugs, switches etc.	Anchor,Straco, Havells,L&T,Pointer,Vinay
50	Luminaries	Phillips,Bajaj,Surya,Havells,Wipro,HPL, Osram,CG
51	Cable	Universal,Finolex,Incab,Torrent,Havells, Avocab,KEI,gloster,Polycab,L&T,RRKable
52	Armouredcables	Tropodure,Incab,torrent,Finolex,Unistar, Avocab,Havells, Gloster
53	MCB/ELCB/RCCB/Distribution switch	Galco,Anchor,Siemens,L&T,ABB, Indokopp, Indoasian,Schneider,Havells,LeGrand
54	Motor starter	L&T,Siemens,Havells,Galco,Alico,BCH,C&S
55	PumpSets	CRI,Kirlosker,Crompton,Lubi
56	DGsets	Kirlosker, CG, Greenlight, Sudhir, Ashok Leyland
57	ACP Sheet	EUROBOND,FLEXI-BOND, ALUDECOR
58	Valves	Durga,kirloskar,IVC,leader
59	Watertanks	EURO(ZeroBacteria),Syntex,Supertank,RENO
60	P.T. Cable	Tata,Jsw,Usha Martin,Dp Wire ,PTSI & R&B/VMC /GOG/GOI Approved Vendor List
61	Furniture Work	Maximum items have already given the brand name in item description. Please refer.

Note:

1) If in case of non availability of Specified brand of Material, necessary approval is to be taken from concern authorities/Executive Engineer of VMC (Can be used from VMC approved vendor make list of materials).

2) All the Material to be approved and tested as per latest relevant IS, prior to execution the workMaterialnotmentionedinabovelistshouldconfirmtolatestrelevantISrevision

3) All water conterntrelated components shall be casted in M30 Grade concrete only.

Signature of Contractor **Deputy/Executive Engineer**
Date **VMC**