



**SBI INFRA MANAGEMENT SOLUTIONS PVT.LTD.**  
**STATE BANK OF INDIA, 3<sup>RD</sup> FLOOR, LOCAL HEAD OFFICE, BHADRA,**  
**LALDARWAJA,AHMEDABAD-380001**

**SBIIMS INVITE TENDERS ON BEHALF OF SBI FOR PROPOSED CIVIL WORK**  
**FOR VANTHLI BRANCH, DIST. JUNAGADH**

**Tender ID- AHM201910013**

**STATE BANK OF INDIA, RBO - 4, REGIONAL BUSINESS OFFICE,**  
**MERRY GOLD COMPLEX-3, 3<sup>RD</sup> FLOOR, OPP. BAHAUDDIN COLLEGE,**  
**JUAGADH – 362 001**

**FROM**

**THE SBIIMS APPROVED EMPANELLED FURNITURE CONTRACTORS UNDER**  
**CATEGORY C2 & ABOVE**

**PART – A: TECHNICAL BID**

**TENDER SUBMITTED BY:**

**NAME** : \_\_\_\_\_

**ADDRESS** : \_\_\_\_\_

\_\_\_\_\_

**DATE** : \_\_\_\_\_

**ARCHITECT:** VIJAY SAHIJWANI & ASSOCIATES  
CONSULTING ARCHITECT, ENGINEERS &  
INTERIOR DESIGNER

55, SAHYADRI APPARTMENT  
NEAR STADIUM CIRCLE,  
NAVRANGPURA  
AHMEDABAD – 380 009, PHONE : 7948010845.



**NOTICE INVITING TENDERS**  
**AHM201910013**

SBIIMS on behalf of SBI through its Architect Vijay Sahijwani & Associates invites tenders in two bid system from the SBI Empanelled Civil contractors under appropriate category for the captioned work. You are therefore advised to contact e-procurement technologies Limited, Ahmedabad and complete all the formalities at the earliest and participate in tendering process.

The details of tender are as under:

S. No.	Description	
1.	Name of work	<b>Proposed Civil Work of SBI Vanthali Branch, Dist. Junagadh</b>
2.	Nature of Work	<b>Civil Work</b>
3.	Time allowed for completion	<b>(45 days) 1 Month &amp; 15 days from date of acceptance of work order.</b>
4.	Application fees	<b>Rs. 3,000/- (Three Thousand Rupees only)</b> should be paid through <b>SB COLLECT</b> only by using SBI Internet Banking web-site <a href="http://www.onlinesbi.com">www.onlinesbi.com</a> (Detailed flow chart about how to pay tender fees online mentioned on page no.5.) Please submit Application fee deposited challan copy in online tender document & in hard copy along with EMD submission mentioned in Sr.No.5
5.	Earnest Money Deposit	<b>Rs.12,300/- (Rupees Twelve Thousand Three Hundred Only)</b> by means of Demand Draft / Pay Order (Valid for a period of 180 Days from the last date of submission of the tender) from any scheduled Nationalized Bank drawn in favour of <b>SBI Infra Management Solutions Pvt Ltd</b> and payable at <b>Bhavnagar</b> & please submit Original EMD to Deputy Manager – <b>Civil Engineer, State Bank of India Infra Management solutions Pvt. Ltd, RBO-4, Merry Gold Complex, Opp. Bahauddin College, Junagadh – 362 on or before 14/11/2019 up to 12.00 Noon.</b>
6.	Initial Security Deposit	2% of contract amount including EMD
7.	Total Security deposit	5% of the final bill amount including ISD.



8.	Online submission of technical bid on the web site <a href="https://etender.sbi">https://etender.sbi</a>	<b>24/10/2019 from 12.00 Noon to 14/11/2019 up to 12.00 Noon</b>
9.	Date and time of Opening of online technical bid	<b>14/11/2019 at 04.00 P.M.</b>
10.	Address at which Technical bid (hard copy) has to be submitted	<b>Tenders invited by Online mode</b>
11.	Date & time for Submission of online indicative price bid.	Date and time for submission of indicative price bid will be informed to the qualified contractor separately after scrutiny of their Technical bid.
12.	Date & time for opening of online indicative price bid.	Date and time will be informed to the qualified contractor separately.
13.	Date & time for e-reverse auction	Date and time for e-reverse auction will be informed to the qualified contractor separately.
14.	Liquidated Damages	0.50% of contract amount per weeks subject to max. 5% of contract value or final bill value.
15.	Defects liability period	12 Months from the date of Virtual Completion
16.	Validity of offer	90 days from the date of opening of Price-bid
17.	Value of Interim Certificate	<b>NO INTERIM PAYMENT (Full &amp; Final payment will be made)</b>
18.	Digital signature	You are advised to obtain digital signature at the earliest (If you do not already have). It is mandatory
19.	Agency for arranging online bidding (Technical bid indicative price bid and e re-verse auction).	<b>M/s. e-Procurement Technology,</b> B-705, Wall Street - II, Opp. Orient Club, Ellis Bridge, Ahmedabad – 380006, State Gujarat, India Contact No.-40270506-90, 79-6813 6853 /843 /6835 / 6840 / 6857 /63 / 20 / 52
20.	Contract no of Bank's Engineer for any technical clarification.	0278 / 2519533 / 7600056174



20. Tenders can be downloaded from the bank's website [www.sbi.co.in](http://www.sbi.co.in) (link) <Procurement News>. It shall be responsibility of the contractor to arrange and ensure that all pages of technical and financial bid are properly bound separately. Tenders in loose pages may be disqualified.
21. The contractor shall sign and stamp each page of the tender document thereby ensuring the number and sequence of all pages.
22. No conditions other than mentioned in the tender will be considered, and if given they will have to be withdrawn before opening of the price-bid.
23. The SBIIMS reserve their rights to accept or reject any or all the tenders, either in whole or in part without assigning any reason(s) for doing so and no claim / correspondence shall be entertained in this regard.
24. Tenders received without EMD and Application Fees shall be summarily rejected and such tenders shall not be allowed to participate in the online price bidding process.
25. In case the date of opening of tenders is declared as a holiday, the tenders will be opened on the next working day at the same time.
26. SBIIMS has the right to accept / reject any / all tenders without assigning any reasons and no correspondence shall be entertained in this regard.

Yours Faithfully,

**For:**

**AR.VIJAY SAHIJWANI**  
**AHMEDABAD**



## HOW TO MAKE ONLINE TENDER FEES

**Go to SBI Internet Banking web site-<https://www.onlinesbi.com/>**



**Select SBI Collect from Top Menu**



**Click Check box to Proceed**



**Select "All India " in state Corporate/Institution and "Commercial Services" in type of Corporate / Institution after that click go**



**Select " SBI INFRA MANAGEMENT SOLUTIONS PVT. LTD." IN Commercial Services Name and Submit**



**Select "Tender Fee" in Payment category and Enter "Tender ID " and Submit**



**The Bidders will have to fill up the fields properly and submit upon making the payment a receipt will be generated with a reference no. on submit. The Contractor/offerers/bidders have to enclose the online tender payment receipt along with Tender Document in digital form.**



## FORM TENDER

To,  
The Circle Head & VP (Civil),  
Circle Office,  
SBI Infra Management Solutions Pvt. Ltd.,  
Ahmedabad- 380001.

Dear Sir,

Having examined the drawings, specification, design and schedule of quantities relating to the works specified in the memorandum hereinafter set out and having visited and examined the site of the works specified in the said memorandum and having acquired the requisite information relating thereto as affecting the tender, I/We hereby offer to execute the works specified in the said memorandum at the rates mentioned in the attached Schedule of Quantities and in accordance in all respects with the specifications, design, drawings and instructions in writing referred to in conditions of tender, the Articles of Agreement, Special Conditions, Schedule of Quantities and Conditions of Contract and with such materials as are provided for by, and in all other respects in accordance with such conditions so far as they may be applicable.

### MEMORANDUM

Description of work	<b>PROPOSED CIVIL WORK OF SBI VANTHALI BRANCH, DIST. JUNAGADH</b>
Earnest Money	<b>Rs.12,300/- (Rupees Twelve Thousand Three Hundred Only)</b> by means of Demand Draft / Pay Order (Valid for a period of 180 Days from the last date of submission of the tender) from any scheduled Nationalized Bank drawn in favour of <b>SBI Infra Management Solutions Pvt Ltd and payable at Bhavnagar</b>
Percentage, if any, to be deducted from Bills and total amount to be retained	10 % from Running Bills, subject to maximum Total 5% of contract amount or actual Final Bill value including EMD & Initial Security Deposit.
Time allowed for completion of the Works from fourteenth day after the date of written order or date of handing over of the site (whichever is later) to commence the work	<b>45 days (1 Month &amp; 15 Days)</b>

I/We have deposited a sum **Rs.12,300/- (Rupees Twelve Thousand Three Hundred Only)** of the total tender amount as Earnest Money with the State Bank of India which is not to bear any interest. Should I / We fail to execute the Contract when called upon



to do so I/ We do hereby agree that this sum shall be forfeited by me/us to SBI Infra Management Solutions.

1) Our Bankers are: i)

ii)

The names of partners of our firm are: i)

ii)

Name of the partner of the firm Authorized to sign

Or

(Name of person having Power of Attorney to sign the Contract.)

(Certified true copy of the Power of Attorney should be attached)

Yours faithfully,

Signature of Contractors.

Signature and addresses of Witnesses

i)

i



## **SAMPLE BUSINESS RULE DOCUMENT**

### **ONLINE E-TENDERING FOR PROPOSED CIVIL WORK OF SBI VANTHALI BRANCH, DIST. JUNAGADH**

#### **(A) Business rules for E-tendering:**

1. Only empanelled Civil contractors with SBI under appropriate category who are invited by the project Architect/SBIIMS shall only be eligible to participate.
2. SBIIMS will engage the services of an E-tendering service provider who will provide necessary training and assistance before commencement of online bidding on Internet.
3. In case of e-tendering, SBIIMS will inform the vendor in writing, the details of service provider to enable them to contact and get trained.
4. Business rules like event date, closing and opening time etc. also will be communicated through service provider for compliance.
5. Contractors have to send by email, the compliance form in the prescribed format (provided by service provider), before start of E-tendering. Without this the vendor will not be eligible to participate in the event.
6. The Contractors will be required to submit the various documents in sealed Envelope to the office of SBI Infra Solutions Pvt. Ltd. at the address mentioned hereinbefore by the stipulated date i.e. (1) Hard Copy of Technical Bid duly signed and stamped on each page (2) Demand Draft of specified amount of EMD (3) Demand Draft / Cheque of Application Fees (4) Certified copy of Work Licenses). Contractors not submitting any one or more documents shall not be eligible to participate in the on-line price bidding.
7. E-tendering will be conducted on schedule date & time.
8. **The e-tendering will be treated as closed only when the bidding process gets closed in all respects for the item listed in the tender.**

#### **(B) Terms & conditions of E-tendering:**

SBIIMS shall finalize the Tender through e-tendering mode for which **M/s. e-Procurement Technology, Ahmedabad** has been engaged by SBIIMS as an authorized service provider. Please go through the guidelines given below and submit your acceptance to the same along with your Commercial Bid.

1. E-tendering shall be conducted by SBIIMS through **M/s. e-Procurement Technology, Ahmedabad**, on pre-specified date. While the Contractors shall be quoting from their own offices/ place of their choice, Internet connectivity and other paraphernalia requirements shall have to be ensured by Contractors themselves. In the event of failure of their Internet connectivity, (due to any reason whatsoever it may be) it is the bidders' responsibility.

In order to ward-off such contingent situation bidders are requested to make all the necessary arrangements / alternatives such as back-up power supply whatever required so that they are able to circumvent such situation and still be able to participate





in the E-tendering successfully. Failure of power at the premises of Contractors during the E-tendering cannot be the cause for not participating in the E-tendering. On account of this the time for the E-tendering cannot be extended and SBIIMS is not responsible for such eventualities.

**1. M/s. e-Procurement Technology, Ahmedabad, shall arrange to train your**

nominated person(s), without any cost to you. They shall also explain you all the Rules related to the E- tendering. You are required to give your compliance on it before start of bid process.

2. **Bidding currency and unit of measurement:** Bidding will be conducted in Indian currency & Unit of Measurement will be displayed in Online E-tendering.
3. **Bid Price:** The Bidder has to quote the rate as per the Tender Document provided by SBIIMS their appointed Architects.
4. **Validity of Bids:** The Bid price shall be firm for a period specified in the tender document and shall not be subjected to any change whatsoever.
5. **Procedure of E-tendering:**

**i. Online E-tendering:**

- (a) The hard copy of the Technical as well as Price Bid is available on the Bank's website during the period specified in the NIT.
  - (b) Online e-tendering is open to the empanelled bidders who receive NIT from the Architect and qualified for participating in the price bidding as provisions mentioned hereinabove through SBIIMS approved Service Provider.
  - (c) The Technical bid and Price-Bid shall be made available online by the Service Provider wherein the contractors will be required to fill-in their Item-wise rates for each item.
  - (d) The Contractors are advised not to wait till the last minute to submit their online item-wise quote in the price bid to avoid complications related with internet connectivity, network problems, system crash down, power failure, etc.
  - (e) It is mandatory to all the bidders participating in the price bid to quote their rates for each and every item.
  - (f) In case, contractor fails to quote their rates for any one or more tender items, their tender shall be treated as **"Incomplete Tender"** and shall be liable for rejection.
6. **Log in Name and Password:** Each Bidder is assigned a Unique User Name & Password by M/s. **e-Procurement Technology, Ahmedabad**. The Bidders are requested to change the Password after the receipt of initial Password from M/s. **e-**



**Procurement Technology, Ahmedabad.** All bids made from the Login ID given to the bidder will be deemed to have been made by the bidder.

7. **Bids placed by bidder:** Bids will be taken as an offer to execute the work as specified. Bids once made, cannot be cancelled / withdrawn and the Bidder shall be bound to execute the work at the quoted bid price. In case the L-1 Bidder backs out or fail to complete the work as per the rates quoted, SBIIMS shall at liberty to take action as deemed necessary including de-paneling such contractors and forfeiting their EMD
8. At the end of the E-tendering, SBIIMS will decide upon the winner. SBIIMS decision on award of Contract shall be final and binding on all the Bidders.
9. SBIIMS shall be at liberty to cancel the E-tendering process/tender at any time, before ordering, without assigning any reason.
10. SBIIMS shall not have any liability to bidders for any interruption or delay in access to the site irrespective of the cause.
11. Other terms and conditions shall be as per your techno-commercial offers and other correspondences till date.

12. OTHER TERMS & CONDITIONS:

- The Bidder shall not involve himself or any of his representatives in Price manipulation of any kind directly or indirectly by communicating with other suppliers / bidders.
- The Bidder shall not divulge either his Bids or any other exclusive details of SBIIMS to any other party.
- SBIIMS decision on award of Contract shall be final and binding on all the Bidders.
- SBIIMS reserve their rights to extend, reschedule or cancel any E-tendering within its sole discretion.
- SBIIMS or its authorized service provider M/s. **e-Procurement Technology, Ahmedabad** shall not have any liability to Bidders for any interruption or delay in access to the site irrespective of the cause.
- SBIIMS or its authorized service provider M/s. **e-Procurement Technology, Ahmedabad** is not responsible for any damages, including damages that result from, but are not limited to negligence.
- SBIIMS or its authorized service M/s. **e-Procurement Technology, Ahmedabad** will not be held responsible for consequential damages, including but not limited to systems problems, inability to use the system, loss of electronic information etc.

N.B.

- All the Bidders are required to submit the Process Compliance Statement (Annexure-II) duly signed to M/s. **e-Procurement Technology, Ahmedabad.**
- **All the bidders are requested to ensure that they have a valid digital signature certificate well in advance to participate in the online event.**



## **PROCESS COMPLIANCE STATEMENT (ANNEXURE II)**

(The bidders are required to print this on their company's letter head and sign, stamp before emailing)

To,  
M/s. **e-Procurement Technology**,  
B-705, Wall Street - II, Opp. Orient Club, Ellis Bridge,  
Ahmedabad – 380006,  
State Gujarat, India

**E:** [yashrajsinh@auctiontiger.netsujith@eptl.in](mailto:yashrajsinh@auctiontiger.netsujith@eptl.in) web:- <https://etender.sbi>

**D:** +91 079-40270579/580/567/596, 079-40016815, 93745197554, 9879996111

Email:

**AGREEMENT TO THE PROCESS RELATED TERMS AND CONDITIONS FOR THE ONLINE E-TENDERING FOR PROPOSED CIVIL WORK OF SBI VANTHALI BRANCH, DIST. JUNAGADH**

Dear Sir,

This has reference to the Terms & Conditions for the E-tendering mentioned in the tender document

This letter is to confirm that:

- 1) The undersigned is authorized representative of the company.
- 2) We have studied the Commercial Terms and the Business rules governing the E-tendering as mentioned in RFP of SBIIMS as well as this document and confirm our agreement to them.
- 3) We also confirm that we have taken the training on the E-tendering tool and have understood the functionality of the same thoroughly.
- 4) We confirm that SBIIMS and M/s. **e-Procurement Technology, Ahmedabad** shall not be liable & responsible in any manner whatsoever for my/our failure to access & bid on the e-E-tendering platform due to loss of internet connectivity, electricity failure, virus attack, problems with the PC, any other unforeseen circumstances etc. before or during the E- tendering event.
- 5) We confirm that we have a valid digital signature certificate issued by a valid Certifying Authority



6) We, hereby confirm that we will honor the Bids placed by us during the E-tendering process.

With regards, Date:

Signature with company seal Name:

Company / Organization:

Designation within Company / Organization: Address of Company / Organization:

Scan it and send to this Document on -----



## **ARTICLES OF AGREEMENT**

(On non-judicial Stamp Paper of Rs. 500/- or as per latest Govt. Rules)

Articles of Agreement made this \_\_\_\_\_ day of \_\_\_\_\_ between **State Bank Of India, a body, corporate constituted under the State Bank Of India Act and having its Asst. General Manager, State Bank Of India, Regional Business Office, RBO-II (BAO), 4<sup>th</sup> Floor, Administrative Office, Nilambaug Chowk, Bhavnagar-364001.** hereinafter called the Bank which expressions shall include its successors and assigns of the one part and \_\_\_\_\_ (name & address of contractor) hereinafter called the "Contractor" which expression shall include the successors and assigns of the other part.

ANDWHEREAS for the said, **CIVIL WORK for STATE BANK OF INDIA, VANTHALI BRANCH, DIST. JUNAGADH** Terms & Conditions, Specifications and the Schedule of items quantities etc, have been signed by and on behalf of the parties hereto.

AND WHEREAS the Contractor has agreed to execute upon, subject to the conditions set forth herein and Schedule of Items and quantities, General & Special Conditions of Contract, specifications etc contained in the tendered documents including all correspondences exchanged by or between the parties from the submission of tender till the award of work, both letters inclusive, (all of which are collectively hereinafter referred to as "the said conditions" , details of which are described in the schedule attached hereto, the works shown upon the said drawings and/or described in the said specification and included in the schedule of items and quantities at the respective rates therein set forth amounting to the sum as therein arrived at or such other sum shall become payable there under arrived at or such other sum as shall become payable there under (hereinafter referred to as "the said contract amount")

NOW IT IS HEREBY AGREED AS FOLLOWS

1. In consideration of the said contract amount to be paid at the time and in the manner set forth in the said conditions, the contractor shall upon and subject to the said conditions execute and complete the work shown in the said drawings and described in the said specifications and the schedule of items and quantities, as per the terms and conditions contained in the said conditions
2. The Bank shall pay the Contractor the said contract amount, or such other sum as shall become payable, at the time and in the manner specified in the said conditions.



3. The Architects in the said condition shall mean the said **M/s. VIJAY SAHIJWANI & ASSOCIATES** architects, In the event of their ceasing to be the Architects for the purpose of this contract for whatever reason, such other person or persons as shall be nominated for that purpose by the Bank, provided always that no person subsequently appointed as Architects under this contract shall be entitled to disregard or over rule any previous decisions or approvals or directions given or expressed in writing by the Architects for the time being.
4. The said general condition, Special condition, technical drawings, Notice Inviting Tender, specifications, Guarantee, Instruction to Tenderers Price Bid (Schedule of Quantities), Correspondences, Letter of Acceptance, Agreements and Appendices there to, contained in the tendered documents/said conditions shall be read and considered as forming part of this Agreement, and the parties hereto shall respectively abide by, submit themselves to the said conditions and perform the agreements on their part respectively in the said conditions contained therein.

The plans, agreements and documents mentioned herein shall form the basis of this contract. This contract is neither a fixed Lump Sum contract but is a contract to carry out the work in respect of **CIVIL WORK for STATE BANK OF INDIA AT VANTHALI BRANCH, DIST. JUNAGADH**

5. As per the scope described and to be paid for according to actual measured quantities at the rates contained in the Schedule of Rates and / or negotiated rates and Probable quantities or as provided in the said condition.
6. The Bank reserves to itself the rights of altering the specifications and nature of the work by adding to or omitting any items of work or having portions of the same carried out without prejudice to this contract.
7. (a) The Contractors represent that they have experience and competent staff which will enable them to ensure proper quality check on the materials, whether brought by the contractors or supplied by the Bank to the contractors, and which will ensure that the contractor will carry out proper tests as required by the specifications and will supervise the day to day working and execution of the contract work.
  - b. If the contractors have any doubt about the quality of the materials or any difficulty in supervision of the day to day work it shall be duty of the contractors to report the matter in writing forthwith to the Bank and for the time being suspend that portion of the work about which difficulty is experienced, and the contractors will abide by the directions given by the Bank.
  - b. The contractors are aware that the Bank will not give day-to-day supervision but will periodically supervise and the contractor has to perform their obligations



under the instructions given to him periodically and under sub clauses (a) and (b) above.

- b. The contractors covenant and warrant that completed items of work as well as the entire work on completion will be in conformity with the specifications and the terms and conditions contained in the said conditions and will be of contract quality and description.
8. Time shall be considered as the essence of this contract and the contractor hereby agrees to commence the work on the day on which he is instructed to take possession of the site or from the fourteenth day after the day of issue of formal Work Order as provided for in the said conditions whichever is later and to complete the entire work within 45 days subject nevertheless to the provisions for the extension of time.
1. All payments by the Bank under this contract will be made only at **Regional Business Office, RBO-4, Junagadh**
  2. Any dispute arising under this Agreement shall be referred to arbitration in accordance with the stipulation laid down in the general conditions of contract.
  3. The contents of this agreement have been read by the contractor and fully understood by the contractor.

IN WITNESS WHEREOF the Bank and the Contractor have set their respective hands to these Presents and two duplicates hereof the day and year first herein above written (If the Contractor is a Partnership Firm or an Individual).

IN WITNESS WHEREOF the Bank has set its hands to these presents through its duly authorized official and the contractor has caused its common seal to be affixed hereunto and the said duplicates have /has caused these presents and the said two duplicates hereof to be executed on its behalf, the day and year first herein above written (If contractor is a Company).

Signature clause:

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SIGNED AND DELIVERED

By the hand of Shri -----Asst. General Manager , of State Bank Of India (Name and Designation)



In presence of \_\_\_\_\_

1. \_\_\_\_\_

Address \_\_\_\_\_

2. \_\_\_\_\_

Address \_\_\_\_\_

(Witness)

SIGNED AND DELIVERED by \_\_\_\_\_ (If the Contractor is a Partnership Firm or an individual , should be signed by all partners or by duly authorized person on behalf of all partners)

(1) \_\_\_\_\_

Address \_\_\_\_\_

(2) \_\_\_\_\_

Address \_\_\_\_\_

(Witness)

**THE COMMON SEAL OF \_\_\_\_\_ was hereinto affixed pursuant to the resolution By Board of Directors at the Meeting held on \_\_\_\_\_ ( If the Contractor signs under its common seal, the Signature Clause should tally with the sealing clause in the Articles of Association)**

SIGNED AND DELIVERED by

(1) \_\_\_\_\_

(2) \_\_\_\_\_





1) \_\_\_\_\_

Address \_\_\_\_\_

(2) \_\_\_\_\_

Address \_\_\_\_\_

(Witness)

SIGNED AND DELIVERED by \_\_\_\_\_(If the Contractor has signed by the hand of Power of Attorney , whether a Company or Individual)

(1) \_\_\_\_\_

Address \_\_\_\_\_

(2) \_\_\_\_\_

Address \_\_\_\_\_

(Witness)



## **INSTRUCTIONS TO THE TENDERERS**

### **1.0 Scope of work**

Online Tenders are invited by **VIJAY SAHIJWANI & ASSOCIATES Architects, AHMEDABAD**, for and behalf of SBI / SBIIMSPPL for the work of Proposed **CIVIL WORKS at VANTHALI BRANCH, DIST. JUNAGADH**

### **1.1 Site and its location**

The proposed work is to be carried out at **VANTHALI BRANCH, DIST. JUNAGADH**

### **2.0 Tender documents**

**2.1** The work has to be carried out strictly according to the conditions stipulated in the tender consisting of the following documents and the most workmen like manner.

**Instructions to tenderers**  
**General conditions of Contract**  
**Special conditions of Contract**  
**Additional Specifications**  
**Drawings**  
**Priced bid A**

**2.2** The above documents shall be taken as complementary and mutually explanatory of one another but in case of ambiguities or discrepancies, shall take precedence in the order given below;

- a) Price Bid
- b) Additional Specifications
- c) Technical specifications
- d) Drawings
- e) Special conditions of contract
- f) General conditions of contract
- g) Instructions to Tenderers

**2.3** Complete set of tender documents including relative drawings can be downloaded from the website [www.sbi.co.in](http://www.sbi.co.in)

**2.4** The tender documents are not transferable.

**3.0 Site Visit:**



3.1 The tenderer must obtain himself on his own responsibility and his own expenses all information and data that may be required for the purpose of filling this tender document and enter into a contract for the satisfactory performance of the work. The tenderer is requested satisfy himself regarding the availability of water, power, transport and communication facilities, the character quality and quantity of the materials, labour, the law and order situation, climatic conditions local authorities requirement, traffic regulations etc; The tenderer will be fully responsible for considering the financial effect of any or all the factors while submitting his tender.

#### 4.0 Earnest Money:

4.1 The tenderers are requested to submit the Earnest Money of **Rs.12,300/- (Rupees Twelve Thousand Three Hundred Only)** by means of Demand Draft/Pay Order(Valid for a period of 180 Days from the last date of submission of the tender) from any scheduled Nationalized Bank drawn **in favor of SBI Infra Management Solutions Pvt Ltd and payable at Bhavnagar**

4.2 EMD in any other form other than as specified above will not be accepted. Tender not accompanied by the EMD in accordance with clause 4.1 above shall be rejected.

4.3 No interest will be paid on the EMD.

4.4 EMD of unsuccessful tenderer will be refunded within 30 days of award of Contract.

4.5 EMD of successful tenderer will be retained as a part of security deposit.

#### 5.0 Initial Security Deposit:

The successful tenderer will have to submit a sum equivalent to 2% of accepted tender value less EMD by means of DD drawn in favour of SBI Payable at **JUNAGADH** within a period of 7 days of acceptance of tender.

#### 5.1 Security Deposit:

Total security deposit shall be 5% of contract value. Out of this 2% of contract value is in the form of Initial Security Deposit (ISD) which includes the EMD. Balance 3% shall be deducted from the running account bill of the work at the rate of 10% of the respective running account bill i.e., deduction from each running bill account will be @ 10% till Total Security Deposit (TSD) including ISD reaches to 5% of contract value. The 50% of the Total Security Deposit shall be paid to the contract on the basis of architect's certifying the virtual completion. The balance 50% would be paid to the contractors after the defects liability period as specified in the contract.



### **5.3 Signing of contract Documents:**

The successful tenderer shall be bound to implement the contract by signing an agreement and conditions of contract attached herewith within 15 days from the receipt of intimation of acceptance of the tender by the Bank. However, the written acceptance of the tenders by the Bank will constitute a binding agreement between the Bank and successful tenderer whether such formal agreement is subsequently entered in to or not.

### **6.0 Completion Period:**

Time is essence of the contract. The work should be completed in all respect accordance with the terms of contract within a period of **45 days** from the date of award of work.

### **7.0 Validity of tender:**

Tenders shall remain valid and open for acceptance for a period of 90 days from the date of e-reverse auction. If the tenderer withdraws his/her offer during the value period or makes modifications in his/her original offer which are not acceptable to Bank without prejudice to any other right or remedy the Bank shall be at liberty forfeit the EMD.

### **8.0 Liquidated Damages:**

The liquidated damages shall be 0.50% per week subject to a maximum of 5% of contract value.

### **9.0 Rate and prices:**

#### **9.0.1 In case of item rate tender:**

The tenderers shall quote their rates for individual items both in words and figure. In case of discrepancy between the rate quoted in words and figures, the unit rate quantity in words will prevail. If no rate is quoted for a particular item the contractor shall not be paid for that item when it is executed. The amount of each item shall be calculated and the requisite total is given. In case of discrepancy between the unit rate and the total amount calculated from multiplication of unit rate and the quantity the unit rate quoted will govern and the amount will be corrected.

The tenderers need not quote their rates for which no quantities have been given. In case the tenderers quote their rates for such items those rates will be ignored and will not be considered during execution.

The tenderers should not change the units as specified in the tender. If any unit is changed the tenders would be evaluated as per the original unit and the contractor would be paid accordingly.

The tenderer should not change or modify or delete the description of the item. If any discrepancy is observed he should immediately bring to the knowledge of the Architect/SBIIMS

Each page of the BOQ shall be signed by the authorized person and cutting or over writing shall be duly attested by him.



Each page shall be totaled and the grand total shall be given.

**The rate quoted shall be firm and shall include all costs, allowances, materials, labours, taxes etc. except G.S.T, which shall be payable / reimbursed at actual.**

The SBIIMS reserve their rights to accept any tenders, either in whole or in part or may entrust the work in phases or may drop the part scope of work at any stage of the project within its sole discretion without assigning any reason(s) for doing so and no claim / correspondence shall be entertained in this regard.

**SIGNATURE OF THE CONTRACTOR WITH SEAL**



## **GENERAL CONDITIONS OF CONTRACT**

### **1.0 Definitions:-**

“Contract means the documents forming the tender and the acceptance thereof and the formal agreement executed between SBI (client) and the contractor, together with the documents referred there in including these conditions, the specifications, designs, drawings and instructions issued from time to time by the Architects / Bank and all these documents taken together shall be deemed to form one contract and shall be complementary to one another.

In the contract the following expressions shall, unless the context otherwise requires, have the meaning hereby respectively assigned to them.

1.0.1 ‘SBIIMS’ shall mean SBI Infra Management Solutions Pvt. Ltd.(Project Management Services Provider-PMS) having its Circle Office at Third Floor, SBI, LHO, Bhadra, Laldarwaja, Ahmedabad-380001 and includes the client’s representatives, successors and assigns.

1.0.2 ‘Architects/ Consultants’ shall mean **M/s. VIJAY SAHIJWANI & ASSOCIATES**, Architects & Interior Designers, **AHMEDABAD**

1.0.3 ‘Site Engineer’ shall mean an Engineer appointed by the SBIIMS at site as their representative for day-to-day supervision of work and to give instructions to the contractors.

1.0.4 ‘The Contractor’ shall mean the individual or firm or company whether incorporate not, undertaking the works and shall include legal personal representative of individual or the composing the firm or company and the permitted assignees of individual or firms of company.

The expression ‘works’ or ‘work’ shall mean the permanent or temporary work description in the “Scope of work” and/or to be executed in accordance with the contract includes materials, apparatus, equipment, temporary supports, fittings and things of kinds to be provided, the obligations of the contractor hereunder and work to be done by the contractor under the contract.

1.0.5 ‘Engineer’ shall mean the representative of the Architect/consultant.

1.0.6 ‘Drawings’ shall mean the drawings prepared by the Architects and issued by the Engineer and refer red to in the specifications and any modifications of such drawings as may be issued by the Engineer from time to time Contract value shall mean value of the entire work as stipulated in the letter of acceptance of tender subject such additions there to or deductions there from as may be made under the provide herein after contained.



1.0.7 Specifications' shall mean the specifications referred to in the tender and modifications thereof as may time to time be furnished or approved by the Architect/Consultant.

1.0.8 "Month" means calendar month.

1.0.9 "Week" means seven consecutive days.

1.0.10 "Day" means a calendar day beginning and ending at 00 Hrs and 24 Hrs respectively.

1.1.11 "SBIIMS's Engineer" shall mean The Civil/ CIVIL Engineer in-charge of the Project, as nominated by the Circle Head and Vice President, SBIIMS, Ahmedabad

1.1.12 The following shall constitute the Joint Project Committee (herein under referred to as JPC) for assessing and reviewing the progress of the work on the project and to issue instructions or directions from time to time for being observed and followed by the Architects Site Engineer / PMC and other consultants / contractors engaged in the execution of the project.

- i) Vice President – Circle Head of SBIIMS
- ii) SBIIMS Engineer (LOOSE & FIXED FURNITURE and LOOSE & FIXED FURNITURE) in-charge of the Project
- iii) Concerned partner of the Architects and their Resident Architect Member.

## **CLAUSE**

### **1 a. Total Security Deposit**

Total Security deposit comprise of Earnest Money Deposit, Initial security deposit and Retention Money

### **1 b. Earnest Money Deposit-**

The tenderer shall furnish EMD of **Rs.12,300/- (Rupees Twelve Thousand Three Hundred Only)** in the form of Demand draft or bankers cheque drawn in favour of SBI Infra Management Solutions Pvt Ltd payable at **Bhavnagar** on any Scheduled Bank. No tender shall be considered unless the EMD is so deposited in the required form. No interest shall be paid on this EMD. The EMD of the unsuccessful tenderer shall be refunded soon after the decision to award the contract is taken without interest. The EMD shall stand absolutely forfeited if the tenderer revokes his tender at any time the period when he is required to keep his tender open acceptance by the SBIIMS or after it is accepted by the SBIIMS, the contractor fails to enter into a formal agreement or fails to pay the initial security deposit as stipulated or fails to commence the work within the stipulated time.



### **1 c. Initial Security Deposit (ISD)**

The amount of ISD shall be 2% of accepted value of tender including the EMD in the form of DD/Fixed Deposit Receipt (FDR) drawn on any scheduled Bank and shall be deposited within 15 days from the date of acceptance of tender.

### **1 d. Retention Money:**

Besides the SD as deposited by the contractor in the above said manner, the Retention money shall be deducted from the running account bill at the rate of 10% of the gross value of work done by the contractor and claimed in each bill provided the total security deposit i.e. ISD plus EMD plus Retention Money shall both together not exceed 5% of the contract value. The 50% of the total security deposit shall be refunded to the contractor without any interest on issue of Virtual Completion certificate by the Architect/consultant. The balance 50% of the total security deposit shall be refunded to the contractors without interest within fifteen days after the end of defects liability period provided the contractor has satisfactorily attended to all defects in accordance with the conditions of contract including site clearance.

### **2.0 Language:**

The language in which the contract documents shall be drawn shall be in English.

### **3.0 Errors, omissions and discrepancies:**

In case of errors, omissions and/ or disagreement between written and scaled dimensions on the drawings or between the drawings and specifications etc., the following order shall apply.

- i) Between scaled and written dimension (or description) on a drawing, the latter shall be adopted.
- ii) Between the written or shown description or dimensions in the drawings and the corresponding one in the specification the former shall be taken as correct.
- iii) Between written description of the item in the specifications and descriptions in bills of quantities of the same item, the former shall be adopted:
  - a) In case of difference between rates written in figures and words, the rate in words shall prevail.
  - b) Between the duplicate / subsequent copies of the tender, the original tender shall be taken as correct.

### **4.0 Scope of Work:**

The contractor shall carryout complete and maintain the said work in every respect strictly accordance with this contract and with the directions of and to the satisfaction Bank to be communicated through the architect/consultant. The architect/consultant at the directions of the SBIIMS from time to time issue further drawings and / or write





instructions, details directions and explanations which are here after collectively references to as Architect's / consultant's instructions in regard to the variation or modification of the design, quality or quantity of any work or the addition or omission or substitution work. Any discrepancy in the drawings or between BOQ and / or drawings and/or specifications. The removal from the site of any material brought thereon by the Contractor and any substitution of any other materials therefore the removal and/or re-execution of any work executed by him. The dismissal from the work of any person engaged the re upon.

**5.0 i) Letter of Acceptance:**

Within the validity period of the tender the SBIIMS shall issue a letter of acceptance directly or through the architect by registered post or otherwise depositing at the of the contractor as given in the tender to enter into a Contract for the execution of the work as per the terms of the tender. The letter of acceptance shall constitute a bind contract between the SBIIMS and the contractor.

**ii) Contract Agreement:**

On receipt of intimation of the acceptance of tender from the SBIIMS /Architect the successful tenderer shall be bound to implement the contract and within fifteen days there of shall sign an agreement in a non-judicial stamp paper of appropriate value.

**6.0 Ownership of drawings:**

All drawings, specifications and copies thereof furnished by the SBIIMS / SBI through its Architect / consultants are the properties of the SBIIMS They are not to be used on other work.

**7.0 Detailed drawings and instructions:**

The SBIIMS through its architects / consultants shall furnish with reasonable proper additional instructions by means of drawings or otherwise necessary for the execution of the work. All such drawings and instructions shall be consistent with contract documents, true developments thereof and reasonably inferable there.

The work shall be executed in conformity there with and the contractor prepare a detailed programme schedule indicating therein the date of start and completion of various activities on receipt of the work order and submit the same to the SBIIMS through the architect/consultant

**7(a) Copies of agreement:**

Two copies of agreement duly signed by both the parties with the drawings shall be handed over to the contractors.

**8.0 Liquidated damages:**

If the contractor fails to maintain the required progress in terms of clause 6.0 of GOC or to complete the work and clear the site including vacating their office on or before the contracted or extended date or completion, without justification in support of the cause



of delay, he may be called upon without prejudice to any other right of remedy available under the law to the SBIIMS on account of such breach to pay a liquidated damages at the rate of 0.50% of the contract value which subject to a maximum of 5% of the contract value.

**9.0 Materials, Appliances and Employees:**

Unless or otherwise specified the contractor shall provide and pay for all materials, labour, water, power, tools, equipment transportation and any other facilities that are required for the satisfactory execution and completion of the work. Unless or otherwise specified all materials shall be new and both workmanship and materials shall be best quality. The contractor shall at all times enforce strict discipline and good order among his employees and shall not employ on the work any unfit person or anyone not skilled in the work assigned to him. Workman whose work or behavior is found to be unsatisfactory by the SBIIMS /Architect/ consultant he shall be removed from the site immediately.

**10.0 Permits, Laws and Regulations:**

Permits and licenses required for the execution of the work shall be obtained by the contractor at his own expenses. The contractor shall give notices and comply with the regulations, laws, and ordinances rules, applicable to the contract. If the contractor observes any discrepancy between the drawings and specifications, he shall promptly notify the SBIIMS in writing under intimation of the Architect/ Consultant. If the contractor performs any act, which is against the law, rules and regulations he shall meet all the costs arising the reform and shall indemnify the SBIIMS any legal actions arising there from.

**11.0 Setting out Work:**

The contractor shall set out the work and shall be responsible for the true and perfect setting out of the same and for the correctness of the positions, levels, dimensions, and alignment of all parts thereof and get it approved by the architect / consultant before proceeding with the work. If at any time any error in this respect shall appear during the progress of the works, irrespective of the fact that the layout had been approved by, the architect / consultant the contractor shall be responsible for the same ad shall his own expenses rectify such error, if so, required to satisfaction of the SBIIMS

**12.0 Protection of works and property:**

The contractor shall continuously maintain adequate protection of all his work from damage and shall protect the SBI's properties from injury or loss arising in connection with contract. He shall make good any such damage, injury, loss, except due to causes beyond his control and due to his fault or negligence.

He shall take adequate care and steps for protection of the adjacent properties. The contractor shall take all precautions for safety and protections of his employees on the works and shall comply with all applicable provisions of Govt. and local bodies' safety laws and building codes to prevent accidents, or injuries to persons or property on about



or adjacent to his place of work. The contractor shall take insurance covers as per clause at his own cost. The policy may be taken in joint names of the contractor and the SBIIMS and the original policy may be lodged with the SBIIMS

**13.0 Inspection of work:**

The SBIIMS / Architect / Consultant or their representatives shall at all reasonable times have free access to the work site and / or to the workshop, factories, or other places where materials are lying or from where they are obtained and the contractor shall give every facility to the SBIIMS/Architect/consultant and their representatives necessary for inspection and examination and test of the materials and workmanship. No person unless authorized by the SBIIMS/ Architect /Consultant except the representative of Public authorities shall be allowed on the work at any time. The proposed work either during its construction stage or its completion can also be inspected by the Chief Technical Examiner's Organization a wing of Central Vigilance commission.

**14.0 Assignment and subletting:**

The whole of work included in the contract shall be executed the contractor and he shall not directly entrust and engage or indirectly transfer, assign or underlet the contract or any part or share there of or interest therein without the written consent of the SBIIMS through the Architect and no undertaking shall relieve the contractor from the responsibility of the contractor from active & superintendence of the work during its progress.

**15.0 Quality of materials, workmanship &Test:**

All materials and workmanship shall be best of the respective kinds described in the contract and in accordance with Architect/consultant instructions and shall be subject from time to time to such tests as the architect/consultant may direct at the place of manufacture or fabrication or on the site or an approved testing laboratory. The contractor shall provide such assistance, instruments, machinery, labor, and materials as are normally required for examining measuring sampling and testing any material or part of work before in corporation in the work for testing as may be selected and required by the architect/consultant.

**ii) Samples:**

All samples of adequate numbers, size, shades & pattern as per specifications shall be supplied by the contractor without any extra charges. If certain items proposed to be used are of such nature that samples cannot be presented or prepared at the site detailed literature / test certificate of the same shall be provided to the satisfaction of the Architect/consultant before submitting the sample/literature the contractor shall satisfy himself that the material / equipment for which he is submitting the sample / literature meet with the requirement of tender specification. Only when the samples are approved in writing by the architect/consultant the contractor shall proceed with the procurement and installation of the particular material / equipment. The approved samples shall be signed by the Architect / Consultant for identification and shall be kept on record at



site office until the completion of the work for inspection / comparison at any time. The Architect/Consultant shall take reasonable time to approve the sample. Any delay that might occur in approving the samples for reasons of its not meeting the specifications or other discrepancies inadequacy in furnishing samples of best qualities from various manufacturers and such other aspects causing delay on the approval of the materials / equipment etc. shall be to the account of the contractor.

**iii) Cost of tests:**

The cost of making any test shall be borne by the contractor if such test is intended by or provided for in the specification or BOQ.

**iv) Costs of tests not provided for:**

If any test is ordered by the Architect/ Consultant which is either

a) If so intended by or provided for or (in the cases above mentioned) is not so particularized, or though so intended or provided for but ordered by the Architect / Consultant to be carried out by an independent person at any place other than the site or the place of manufacture or fabrication of the materials tested or any Government / approved laboratory, then the cost of such test shall be borne by the contractor.

**16.0 Obtaining information related to execution of work:**

No claim by the contractor for additional payment shall be entertained which is consequent upon failure on his part to obtain correct information as to any matter affecting the execution of the work nor any misunderstanding or the obtaining incorrect information or the failure to obtain correct information relieve him from any risks or from the entire responsibility for the fulfillment of contract.

**17.0 Contractor's superintendence:**

The contractor shall give necessary personal superintendence during the execution the works and as long, thereafter, as the Architect/Consultant may consider necessary until the expiry of the defects liability period, stated hereto.

**18.0 Quantities:**

The bill of quantities (BOQ) unless or otherwise stated shall be deemed to have been prepared in accordance with the Indian Standard Method of Measurements and quantities. The rate quoted shall remain valid for variation of quantity against individual item to any extent. The entire amount paid under Clause 19, 20 hereof as well as amounts of prime cost and provision sums, if any, shall be excluded.

**19.0 Works to be measured:**

The Architect/Consultant may from time to time intimate to the contractor that he requires the work to be measured and the contractor shall forthwith attend or send a quantity representative to assist the Architect in taking such measurements and calculation and to furnish all particulars or to give all assistance required by any of them. Such measurements shall be taken in accordance with the Mode of measurements



detail in the specifications. The representative of the Architect / Consultant shall take measurements with the contractor's representative and the measurements shall be entered in the measurement book. The contractor or his authorized representative shall sign all the pages of the measurement book in which the measurements have been recorded in token of his acceptance. All the corrections shall be duly attested by both representatives. No over writings shall be made in the M book should the contractor not attend or neglect or omit to depute his representative to take measurements the measurements recorded by the representative of the Architect/consultant shall be final. All authorized extra work, omissions and all variations made shall be included such measurement.

### **20.0 Variations:**

No alteration, omission or variation ordered in writing by the Architect/consultant vitiates the contract. In case the SBIIMS/ Architect / Consultant thinks proper at any during the progress of works to make any alteration in, or additions to or omission from the works or any. Alteration in the kind or quality of the materials to be used therein, the Architect / Consultant shall give notice thereof in writing to the contractor shall confirm in writing within seven days of giving such oral instructions the contract shall alter to, add to, or omit from as the case may be in accordance with such but the contractor shall not do any work extra to or make any alterations or additions to or omissions from the works or any deviation from any of the provisions of the contract, stipulations, specifications or contract drawings without previous consent in writing of the Architect/ Consultant and the value of such extras, alterations, additions or omissions shall in all cases be determined by the Architect / Consultant and the same shall be added to or deducted from the contract value, as the case maybe.

### **21.0 Valuation of Variations:**

No claim for an extra shall be allowed unless it shall have been executed under the authority of the Architect / Consultant with the concurrence of the SBIIMS as herein mentioned. Any such extra is herein referred to as authorized extra and shall be made in accordance with the following provisions.

- (i) The net rates or prices in the contract shall determine the valuation of the extra work where such extra work is of similar character and executed under similar conditions as the work price herein.
- (ii) Rates for all items, wherever possible should be derived out of the rates given in the priced BOQ.

The net prices of the original tender shall determine the value of the items omitted, provided if omissions do not vary the conditions under which any remaining items of Works are carried out, otherwise the prices for the same shall be valued under sub-Clause 'c' hereunder.



Where the extra works are not of similar character and/or executed under similar conditions as aforesaid or where the omissions vary the conditions under which any remaining items or works are carried out, then the contractor shall within 7 days of the receipt of the letter of acceptance inform the Architect/ consultant of the rate which he intends to charge for such items of work, duly supported by analysis of the rate or rates claimed and the Architect/consultant shall fix such rate or prices as in the circumstances in his opinion are reasonable and proper, based on the market rate.

Where extra work cannot be properly measured or valued the contractor shall be allowed day work prices at the net rates stated in the tender, of the BOQ or, if not, so stated then in accordance with the local day work rates and wages for the district; provided that in either case, vouchers specifying the daily time (and if required by the Architect/Consultant) the workman's name and materials employed be delivered for verifications to the Architect /consultant at or before the end of the week following that in which the work has been executed.

It is further clarified that for all such authorized extra items where rates cannot be derived from the tender, the Contractor shall submit rates duly supported by rate analysis worked on the 'market rate basis for material, labour hire / running charges of equipment and wastages etc. plus 15% towards establishment charges, contractor's overheads and profit. Such items shall, not be eligible for escalation.

### **22.0 Final measurement:**

The measurement and valuation in respect of the contract shall be completed within two months of the virtual completion of the work.

### **23.0 Virtual Completion Certificate (VCC):**

On successful completion of entire works covered by the contract to the full satisfaction of the SBIIMS, the contractor shall ensure that the following works have been completed the satisfaction of the SBIIMS:

Clear the site of all scaffolding, wiring, pipes, surplus materials, contractor's labour equipment and machinery.

Demolish, dismantle and remove the contractor's site office, temporary works, structure including labour sheds/camps and constructions and other items and things whatsoever brought upon or erected at the site or any land allotted to the contractor by the SBIIMS not incorporated in the permanent works.

Remove all rubbish, debris etc. from the site and the land allotted to the contractor by the SBIIMS and shall clear, level and dress, compact the site as required by the SBIIMS

Shall put the SBIIMS in undisputed custody and possession of the site and all land allot by the SBIIMS



Shall hand over the work in a peaceful manner to the SBIIMS

All defects / imperfections have been attended and rectified as pointed out by the Architects to the full satisfaction of SBIIMS. Upon the satisfactory fulfillment by the contractor as stated above, the contractor is entitled to apply to the Architect / consultant is satisfied of the completion of work. Relative to which the completion certificate has been sought, the Architect/ consultant shall within fourteen (14) days of the receipt of the application for completion certificate, issue a VCC in respect of the work for which the VCC has applied.

This issuance of a VCC shall not be without prejudice to the SBIIMS's rights and contractor liabilities under the contract including the contractor's liability for defects liability nor shall the issuance of VCC in respect of the works or work at any site be construction as a waiver of any right or claim of the SBIIMS against the contractor in respect of or work at the site and in respect of which the VCC has been issued.

**24.0 Work by other agencies:**

The SBIIMS / Architect / consultant reserves the rights to use premises and any portion the site for execution of any work not included in the scope of this contract which it may desire to have carried out by other persons simultaneously and the contractor shall not only allow but also extend reasonable facilities for the execution of such work. The contractor however shall not be required to provide any plant or material for the execution of such work except by special arrangement with the SBI. Such work shall be carried out in such manner as not to impede the progress of the works included in the contract.

**25.0 Insurance of works:**

Without limiting his obligations and responsibilities under the contract the contractor shall insure in the joint names of the SBIIMS And the contractor against all loss of damages from whatever cause arising other than the excepted risks, for which he is responsible under the terms of contract and in such a manner that the SBIIMS and contractor are covered for the period stipulated I clause of GCC and are also covered during the period of maintenance for loss or damage arising from a cause, occurring prior to the commencement of the period of maintenance and for any loss or damage occasioned by the contractor in the course of any operations carried out by him for the purpose of complying with his obligations under clause.

The Works for the time being executed to the estimated current Contract value thereof, or such additional sum as may be specified together with the materials for incorporation in the works at their replacement value.

The constructional plant and other things brought on to the site by the contractor to the replacement value of such constructional plant and other things.

Such insurance shall be effected with an insurer and in terms approved by the SBIIMS which approval shall not be unreasonably withheld and the contractor shall whenever



required produce to the Architect / consultant the policy if insurance and the receipts for payment of the current premiums.

**26.0 Damage to persons and property:**

The contractor shall, except if and so far as the contract provides otherwise indemnify the SBI against all losses and claims in respect of injuries or damages to any person or material or physical damage to any property whatsoever which may arise out of or in consequence of the execution and maintenance of the works and against all claims proceedings, damages, costs, charges and expenses whatsoever in respect of or in relation thereto except any compensation of damages for or with respect to:

- a) The permanent use or occupation of land by or any part thereof.
- b) The right of SBIIMS to execute the works or any part thereof on, over, under, in or through any lands.
- c) Injuries or damages to persons or properties which are unavoidable result of the execution or maintenance of the works in accordance with the contract.
- d) Injuries or damage to persons or property resulting from any act or neglect of the SBIIMS their agents, employees or other contractors not being employed by the contractor or for or in respect of any claims, proceedings, damages, costs, charges and expenses in respect thereof or in relation thereto or where the injury or damage was contributed to by the contractor, his servants or agents such part of the compensation as may be just and equitable having regard to the extent of the responsibility of the SBIIMS, their employees, or agents or other employees, or agents or other contractors for the damage or injury.

**27.0 Contractor to indemnify SBIIMS:**

The contractor shall indemnify the SBIIMS against all claims, proceedings, damages, costs, charges and expenses in respect of the matters referred to in the provision sub-clause 26.0 of this clause.

**28.0 Contractor's superintendence:**

The contractor shall fully indemnify and keep indemnified the SBIIMS against any action, claim, or proceeding relating to infringement or use of any patent or design or any alleged patent or design rights and shall pay any royalties which may be payable in respect to any article or part thereof included in the contract. In the event of any claim made under or action brought against SBIIMS in respect of such matters as aforesaid the contractor shall be immediately notified thereof and the contractor shall be at liberty, at his own expenses to settle any dispute or to conduct any litigation that may arise there from, provided that the contractor shall not be liable to indemnify the SBIIMS if the infringement of the patent or design or any alleged patent or design right is the direct result of an order passed by the Architect / consultant in this behalf.





### **29.0 Third Party Insurance:**

Before commencing the execution of the work the contractor but without limiting his obligations and responsibilities under clause 25.0 of GCC shall insure against his liability for any material or physical damage, loss, or injury which may occur to any property including that of SBIIMS, or to any person, including any employee of the SBIIMS, by or arising out of the execution of the works or in the carrying out of the contract, otherwise than due to the matters referred to in the provision to clause 25.0 thereof.

### **30.0 Minimum amount of Third Party Insurance:**

Such insurance shall be affected with an insurer and in terms approved by the SBIIMS which approval shall not be reasonably withheld and for at least the amount stated below. The contractor shall, whenever required, produce to the Architect / consultant the policy or policies of insurance cover and receipts for payment of the current premiums.

The minimum insurance cover for physical property, injury, and death is **Rs.5 Lakh** per occurrence with the number of occurrences limited to four. After each occurrence contractor will pay additional premium necessary to make insurance valid for four occurrences always.

### **31.0 Accident or Injury to workman:**

The SBIIMS Shall not be liable for or in respect to any damages or compensation payable at law in respect or in consequence of any accident or injury to any workmen or other person in the employment of the contractor or any sub-contractor, save and except an accident or injury resulting from any act or default of the SBIIMS or their agents, or employees. The contractor shall indemnify and keep indemnified SBIIMS against all such damages and compensation, save and except as aforesaid, and against all claims, proceedings, costs, charges and expenses whatsoever in respect thereof or in relation thereto.

### **32.0 Insurance against accidents etc. to workmen:**

The contractor shall insure against such liability with an insurer approved by the SBIIMS During the whole of the time that any persons are employed by him on the works and shall, when required, produce to the architect / consultant such policy of insurance and receipt for payment of the current premium. Provided always that, in respect of any persons employed by any sub-contractor the contractor's obligation to insured as aforesaid under this sub-clause shall be satisfied if the sub-contractor shall have insured against the liability in respect of such persons in such manner that SBIIMS is indemnified under the policy but the contractor shall require such sub-contractor to produce to the Architect /consultant when such policy of insurance and the receipt for the payment of the current premium.



### **33.0 Remedy on contractor's failure to insure:**

If the contractor fails to effect and keep in force the insurance referred to above or any other insurance which he may be required to effect under the terms of contract, then and in any such case the SBIIMS may effect and keep in force any such insurance and pay such premium or premiums as may be necessary for that purpose and from time to time deduct the amount so paid by the SBIIMS as aforesaid from any amount due or which may become due to the contractor, or recover the same as debt from the contractor.

Without prejudice to the others rights of the SBIIMS against contractors. In respect of such default, the employer shall be entitled to deduct from any sums payable to the contractor the amount of any damages costs, charges, and other expenses paid by the SBIIMS And which are payable by the contractors under this clause. The contractor shall upon settlement by the Insurer of any claim made against the insurer pursuant to a policy taken under this clause, proceed with due diligence to rebuild or repair the works destroyed or damaged. In this event all the monies received from the Insurer in respect of such damage shall be paid to the contractor and the Contractor shall not be entitled to any further payment in respect of the expenditure incurred for rebuilding or repairing of the materials or goods destroyed or damaged.

### **34.0 Commencement of Works:**

The date of commencement of the work will be reckoned from the date of award of letter by the SBIIMS

### **35.0 Time for completion:**

Time is essence of the contract and shall be strictly observed by the contractor. The entire work shall be completed within a period of **45 days** from the date of commencement. If required in the contract or as directed by the Architect / consultant. The contractor shall complete certain portions of work before completion of the entire work. However, the completion date shall be reckoned as the date by which the whole work is completed as per the terms of the contract.

### **36.0 Extension of time:**

If, in the opinion of the Architect/consultant, the work be delayed for reasons beyond the control of the contractor, the Architect/consultant may submit a recommendation to the SBIIMS to grant a fair and reasonable extension of time for completion of work as per the terms of contract. If the contractor needs an extension of time for the completion of work or if the completion of work is likely to be delayed for any reasons beyond the due date of completion as stipulated in the contract, the contractor shall apply to the SBIIMS Through the Architect' Consultant in writing at least 30 Days before the expiry of the scheduled time and while applying for extension of time he shall furnish the reason in detail and his justification if an', for the delays. The architect/consultant shall submit their recommendations to the SBIIMS in the prescribed format for granting extension of time. While granting extension of time the contractor shall be informed the period extended time which will qualify for levy of liquidated damages. For the balance period



in excess of original stipulated period and duly sanctioned extension of time by the provision of liquidated damages as stated under clause 10.0 shall become applicable. Further the contract shall remain in force even for the period beyond the due date of completion irrespective whether the extension is granted or not.

**37.0 Rate of progress:**

Whole of the materials, plant and labour to be provided by the contractor and the mode, manner and speed of execution and maintenance of the works are to be of a kind and conducted in a manner to the satisfaction of the Architect/consultant should the rate of progress of the work or any part thereof be at any time be in the opinion the. Architect / consultant too Slow to ensure the completion of the whole of the work the prescribed time or extended time for completion the Architect/consultant shall the re upon take such steps as considered necessary by the Architect / consultant to expedite progress so as to complete the works by the prescribed time or extended time. Such communications from the Architect / consultant neither shall relieve. The contractor from fulfilling obligations under the contract nor he will be entitled to raise any claims arising out of such directions.

**38.0 Work during nights and holidays:**

Subject to any provision to the contrary contained in the contract no permanent work shall save as herein provided be carried on during the night or on holidays without the permission in writing of the Architect/consultant, save when the work is unavoidable or absolutely necessary for the saving of life or property or for the safety of the work in which case the contractor shall immediately advise the Architect / consultant. However the provisions of the clause shall not be applicable in the case of any work which becomes essential to carry by rotary or double shifts in order to achieve the progress and quality of the part of the works being technically required / continued with the prior approval of the Architect / consultant at no extra cost to the SBIIMS.

All work at night after obtaining approval from competent authorities shall be carried out without unreasonable noise and disturbance.

**39.0 No compensation or restrictions of work:**

If at any time after acceptance of the tender SBIIMS shall decide to abandon or reduce the scope of work for any reason whatsoever and hence not required the whole or any part of the work to be carried out. The Architect / consultant shall give notice in writing that effect to the contractor and the contractor shall act accordingly in the matter. The contractor shall have no claim to any payment of compensation or otherwise what so ever on account of any profit or advantage which he might have derived from the execution of the Work fully but which he did not derive in consequence of the fore closure of the whole or part of the work.

Provided that the contractor shall be paid the charges on the cartage only of materials actually and bonafide brought to the site of the work by the contractor and rendered



surplus as a result of the abandonment, curtailment of the work or any portion thereof and then taken back by the contractor, provided however that the Architect/Consultant shall have in such cases the option of taking over all or any such materials at their purchase price or a local current rate whichever is less.

In case of such stores having been issued from SBIIMS stores and returned by the contractor to stores, credit shall be given to him at the rates not exceeding those at which were originally issued to the contractor after taking into consideration and deduction for claims on account of any deterioration or damage while in the custody of the contractor and in this respect the decision of Architect / consultant shall be final.

#### **40.0 Suspension of work:**

The contractor shall, on receipt of the order in writing of the Architect / consultant (whose decision shall be final and binding on the contractor) suspend the progress of works or any part the offer such time and in such manner as Architect/consultant may consider necessary so as not to cause any damage or injury to the work already done or endanger the safety thereof for any of following reasons:

- a) On account any default on the part of the contractor, or
- b) For proper execution of the works or part thereof for reasons other than the default the contractor, or
- c) For safety of the works or part thereof.

The contractor shall, during such suspension, properly protect and secure the works the extent necessary and carry out the instructions given in that behalf by the Architect / consultant.

i) If the suspension is ordered for reasons (b) and (c) in sub-para (i) above:

The contractor shall be entitled to an extension of time equal to the period of every such suspension. No compensation whatsoever shall be paid on this account.

#### **41.0 Action when the whole security deposit is forfeited:**

In any case in which under any clause or clauses of this contract, the Contractor shall have rendered himself liable to pay compensation amounting to the whole of his security deposit the Architect / consultant shall have the power to adopt any of the following course as they may deem best suited to the interest of the SBIIMS:

To rescind the contract (of which rescission notice in writing to the contractor by - Architect / consultant shall be conclusive evidence) and in which case the security, deposit of the contractor shall be forfeited and be absolutely at the disposal of SBIIMS.

To employ labour paid by the SBIIMS and to supply materials to carry out the work, or part of the work, debiting the contractor with the cost of the labour and materials cost of such labour and materials as worked out by the Architect / consultant shall final and conclusive against the contractor) and crediting him with the value of the work done, in all respects in the same manner and at the same manner and at the same rates as if it had been carried out by the contractor under the terms of this contract certificate of



architect /consultant as to the value of work done shall be final conclusive against the contractor.

To measure up the work of the contractor, and to take such part thereof as shall 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 paid to the original contractor, if the whole work had been executed by him (The amount of which excess the certificates in writing of the Architects / consultant shall final and conclusive) shall be borne by original contractor and may be deducted any money due to him by SBIIMS under the contract or otherwise, or from his security deposit or the proceeds of sale thereof, or sufficient part thereof.

In the event of any of above courses being adopted by the SBIIMS the contractor shall have no claim to compensation for any loss sustained by him by reasons of his having purchased or procured any material or entered into any engagements or make any advances on account of, or with a view to the execution of the work or the performance of the contract and incase the contract shall be rescind under the provision aforesaid, the contractor shall not be entitled to recover or to be paid any sum or any work thereto for actually performed under this contract, unless, and until the Architect / consultant will have certified in writing the performance of such work and the value payable in respect thereof, and he shall only been titled to be paid the value so certified.

**42.0 Owner's right to terminate the contract:**

If the contractor being an individual or a firm commit any 'Act of insolvency' or shall be adjusted an insolvent or being an incorporated company shall have an order for compulsory winding up voluntarily or subject to the supervision of Govt. and of the Official Assignee of the liquidator in such acts of insolvency or winding up shall be unable within seven days after notice to him to do so, to show to the reasonable satisfaction of the Architect / Consultant that he is able to carry out and fulfill the contract, and to dye security therefore if so required by the Architect /Consultant.

Or if the contractor (whether an individual firm or incorporated Company) shall suffer execution to be issued or shall suffer any payment under this contract to be attached by or on behalf of any of the creditors of the contractor.

Or shall assign or sublet this contract without the consent in writing of the SBIIMS through the Architect/Consultant or shall charge or encumber this contract or any payment due to which may become due to the contractor there under:

Has abandoned the contract; or

has failed to commence the works, or has without any lawful excuse under these conditions suspended the progress of the works for 14 days after receiving from the SBIIMS through the Architect / consultant written notice to proceed, or



has failed to proceed with the works with such diligence and failed to make such due progress as would enable the works to be completed within the time agreed upon, or has failed to remove the materials from the site or to pull down and replace work within seven days after written notice from the SBIIMS through the Architect / Consultant that the said materials were condemned and rejected by the Architect/ consultant under these conditions; or has neglected or failed persistently to observe and perform all or any of the acts matters or things by this contract to be observed and performed by the contractor for seven days after written notice shall have been given to the contractor to observe or perform the same or has to the detriment of good workmanship or in defiance of the SBIIMS or Architect's / consultant's instructions to the contrary subject any part of the contract. Then and in any of said cases the SBIIMS and or the Architect / consultant, may not withstanding any previous waiver, after giving seven days' notice in writing to the contractor, determine the contract, but without thereby affecting the powers of the SBIIMS or the Architect/consultant or the obligation and liabilities of the contractor the whole of which shall continue in force as fully as if the contract had not been determined and as if the works subsequently had been executed by or on behalf of the contractor. And, further the SBIIMS through the Architect / consultant their agents or employees may enter upon and take possession of the work and all plants, took scaffoldings, materials, sheds, machineries lying upon the premises or on the adjoining lands or roads use the same by means of their own employees or workmen in carrying on and completing the work or by engaging any other contractors or persons to the work and the contractor shall not in any was interrupt or do any act, matter or thing to prevent or hinder such other contractor or other persons employed for complement and finishing or using the materials and plant for the works.

When the works shall be completed or as soon thereafter as convenient the SBIIMS Or architect/consultant shall give a notice in writing to the contractor to remove his surplus materials and plants and should the contractor fail to do so within 14 days after receive thereof by him the SBIIMS sell the same by publication, and after due publication, and shall, adjust the amount realized by such auction. The contractor shall have no right to question any of the acts of the SBIIMS incidental to the sale of the materials etc.

**43.0 Certificate of payment:**

The contractor shall be entitled under the certificates to be issued by the Architect / consultant to the contractor within 10 working days from the date of certificate to payment from SBIIMS From time to time SBIIMS shall recover the statutory recovering other dues including the retention amount from the certificate of payment. Provided always that the issue of any certificate by the Architect / consultant during progress of works or completion shall not have effect as certificate of satisfaction relieve the contractor from his liability under clause.

The Architect / consultant shall have power to withhold the certificate if the work or in part thereof is not carried out to their satisfaction. The Architect/consultant may by any



certificate make any corrections required previous certificate.

The SBIIMS shall modify the certificate of payment as issued by the architect/ consultant from time to time while making the payment

The contractor shall submit interim bills only after taking actual measurements and properly recorded in the Measurement books.

No interim payment should be made only **full & final payment will be paid.**

The final bill may be submitted by contractor within a period of one month from the date of virtual completion and Architect / consultant shall issue the certificate of payment within a period of two months. The SBIIMS Shall pay the amount within a period of three months from the date of issue of certificate provided there is no dispute in respect of rates and quantities.

The contractor shall submit the interim bills in the prescribed format with all details.

#### **44.0**

##### **A. Settlement of Disputes and Arbitration:**

Except where otherwise provided in the contract all questions and disputes to the meaning of the specifications, design, drawings and instructions herein before mentioned and as to the quality of workmanship or materials used on the work or as to any other question , claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings specifications, estimates, instructions orders or these conditions or otherwise concerning the work or the execution or failure to execute the same whether arising during the progress of the work or after the cancellation, termination, completion or abandonment thereof shall be dealt with as mentioned hereinafter:

If the contractor considers that he is entitled to any extra payment or compensation in respect of the works over and above the amounts admitted as payable by the Architect or in case the contractor wants to dispute the validity of any deductions or recoveries made or proposed to be made from the contractor raise any dispute, the contractor shall forthwith give notice in writing of his claim, or dispute to The Senior Vice President, SBIIMS, Head Office, Mumbai and endorse a copy of the same to the Architect, within 30 days from the date of disallowance thereof or the date of deduction or recovery. The said notice shall give full particulars of the claim, grounds on which it is based and detailed calculations of the amount claimed and the contractor shall not be entitled to raise any claim nor shall the SBIIMS Pvt. Ltd be in any way liable in respect of any claim by the contractor unless notice of such claim shall have been given by the contractor to the Senior Vice President, SBIIMS, Head Office, Mumbai in the manner and within the time as aforesaid. The Contractor shall be deemed to have waived and extinguished all his rights in respect of any claim not notified to the Senior Vice President, Head Office, Mumbai in writing in the manner and within the time aforesaid.



## **B. Settlement of Disputes and Arbitration:**

The Senior Vice President, Head Office, Mumbai shall give his decision in writing on the claims notified by the receipt of the contractor may within 30 days of the receipt of the decision of the Sr. V.P., Head Office / Submit his claims to the conciliating authority namely the M.D. & C.E.O., SBIIMSPL, Head Office, Mumbai for conciliation along with all details and copies of correspondence exchanged between him and the SBIIMS

If the conciliation proceedings are terminated without settlement of the disputes, the contractor shall, within a period of 30 days of termination thereof shall give a notice to the concerned M.D. & C.E.O. of the SBIIMS for appointment of an arbitrator to adjudicate the notified claims falling which the claims of the contractor shall be deemed to have been considered absolutely barred and waived.

Except where the decision has become final, binding and conclusive in terms of the contract, all disputes or differences arising out of the notified claims of the contractor as aforesaid and all claims of the SBIIMS Pvt. Ltd shall be referred for adjudication through arbitration by the Sole Arbitrator appointed by the M.D. & C.E.O. and who will be of Deputy General Manager rank. It will also be no objection to any such appointment that the Arbitrator so appointed is a SBIIMS, Officer and that he had to deal with the matters to which the Contract relates in the course of his duties as SBIIMS, Officer. If the arbitrator so appointed is unable or unwilling to act or resigns his appointment or vacates his office due to any reason whatsoever another sole arbitrator shall be appointed in the manner aforesaid by the said M.D. & C.E.O. of the SBIIMS Such person shall be entitled to proceed with the reference from the stage at which it was let by his predecessor.

It is a term of this contract that the party invoking arbitration shall give a list of disputes with amounts claimed in respect of each dispute along with the notice for appointment of arbitrator.

It is also a term of this contract that no person other than a person appointed by such Chief General Manager as aforesaid should act as arbitrator. The conciliation and arbitration shall be conducted in accordance with the provisions of the Arbitration & Conciliation Act 1996 or any or any accordance modification or reenactment thereof and the rules made there under.

It is also a term of the contract that if any fees are payable to the Arbitrator these shall be paid equally by both the parties. However, no fees will be payable to the arbitrator if he is a SBIIMS Officer.

It is also a term of the contract that the Arbitrator shall be deemed to have entered on the reference on the date he issues notice to both the parties calling them to submit their statement of claims and counter statement of claims. The venue of the arbitration shall be such place as may be fixed by the arbitrator in his sole discretion. The fees, if





any of the arbitrators shall, if required to be paid before the award is made and published, be paid half and half by each of the parties. The Cost of the reference and of the award (including the fees, if any of the arbitrator) shall be in the discretion of the arbitrator who may direct to any by whom and in what manner, such costs or any part thereof, shall be paid and fix or settle the amount of costs to be so paid.

**45.0 Water supply:**

The contractor shall make his own arrangements for water required for the work and nothing extra will be paid for the same. This will be subject to the following condition.

i) That the water used by the contractor shall be fit for construction purposes to the satisfaction of the Architect /consultant's.

ii) The contractor shall make alternative arrangements for the supply of water if the arrangement made by the contractor for procurement of water in the opinion of the Architect / consultant is unsatisfactory.

i) In case contractor is permitted to use SBIIMS's source of water i.e. Municipal connection, Bore well (existing or new) etc., the SBIIMS Pvt. Ltd will recover as per clause **51.0** of this document from the final bill of contractor.

ii)

The contractor shall construct temporary well / tube well in SBIIMS Pvt. Ltd land for taking water for construction purposes only after obtaining permission in writing from the SBIIMS The contractor has to make his own arrangements for drawing and distributing the water at his own cost. He has to make necessary arrangements. To avoid any accidents or damages caused due to construction and subsequent maintenance of the wells. He has to obtain necessary approvals from local authorities, if required, at his own cost. He shall restore the ground to its original condition after wells are dismantled on completion of work or hand over the well to the SBIIMS without any compensation as directed by the architect /consultant.

**46.0 Power supply:**

The contractor shall make his own arrangements for power and supply / distribution system for driving plant or machinery for the work and for lighting purpose at his own cost, the cost of running and maintenance of the plants are to be included in his tender prices, He shall pay all fees and charges required, by the power supply and include the same in his tendered rates and hold the owner free from all such costs. He has to obtain necessary approval from the appropriate authorities, if required.

iii) In case contractor is permitted to use Bank's source of power supply provided at one point, the SBIIMS will recover as per clause **51.0** of this document from the final bill of contractor.



#### **47.0 Treasure trove etc.**

Any treasure trove, coin or object antique which may be found on the site shall be the property of SBIIMS and shall be handed over to the bank immediately.

#### **48.0 Method of measurement:**

Unless otherwise mentioned in the schedule of quantities or in mode of measurement, the measurement will be on the net quantities or work produced in accordance with up to date rules laid down by the Bureau of Indian Standards. In the event any dispute/ disagreement the decision of the Architect / consultant shall be final and binding on the corrector.

#### **49.0 Maintenance of registers:**

The contractor shall maintain the following registers as per the enclosed perform at site of work and should produce the same for inspection of SBIIMS /Architect / consultant whenever desired by them. The contractor shall also maintain the records / registers as required by the local authorities / Govt. from time to time.

- i) Register for secured advance
- ii) Register for hindrance to work
- iii) Register for running account bill
- iv) Register for labour

#### **50.0 Force Majeure:**

Neither contractor nor SBIIMS shall be considered in default in performance of the obligations if such performance is prevented or delayed by events such as but not war, hostilities revolution, riots, civil commotion, strikes, lockout, conflagrations, epidemics, accidents, fire, storms, floods, droughts, earthquakes or ordinances or any act of or for any other cause beyond the reasonable control of the party affected or prevents or delayed. However, a notice is required to be given within 30 days from the happening of the event with complete details, to the other party to the contract ,if it is not possible to serve a notice, within the shortest possible period without delay.

As soon as the cause of force majeure has been removed the party whose ability perform its obligations has been affected, shall notify the other of such cessation and the actual delay incurred in such affected activity adducing necessary evidence in support thereof.

From the date of occurrence of a case off or force majeure obligations of the party affected.

#### **51.0 Water power and other facilities:**

The rate quoted by the contractor shall include all expenses that are required for providing all the water required for the work and the contractor shall make his own arrangements for the supply of good quality water suitable for the construction and good quality drinking water for their workers if necessary the contractor has to sink a tube well / open well and bring water by means of tankers at his own cost for the purpose The SBIIMS will not be liable to pay any charges in connection with the above



The rate quoted in the tender shall include the expenses for obtaining and maintaining power connections and shall pay for the consumption charges

The contractors for other trades directly appointed by the SBIIMS shall be entitled to take power and water connections from the temporary water and power supply obtained by the contractor. However, the concerned contractor shall make their own arrangements to draw the supply and pay directly the actual consumption charges at mutually agreed rates between them. All municipal charges for drainage and water connection for Construction purposes shall be borne by the contractor and charges payable for permanent connections, if any, shall be initially paid by the contractor and the SBIIMS will reimburse the amount on production of receipts.

The SBIIMS as well as the Architect / consultant shall give all possible assistance to the Contractor's to obtain the requisite Permission from the various authorities, but the responsibility for obtaining the same in time shall be of the contractor.

In case contractor is permitted to use Bank's source of water and power supply provided at one point, the SBIIMS will recover @ 0.50% of final bill amount for water and electricity (combined) from the bill of contractor.

**52. Facilities for contractor's employees:**

The contractor shall make his own arrangement for the housing and welfare of his staff and workmen including adequate drinking water facilities. The contractor shall also make the arrangements at his own cost for transport where necessary for his staff and workmen to and from site of work at his own cost.

**53.0 Lighting of works:**

The contractor shall at all times provide adequate and approved lighting as required for the proper execution and supervision and inspection of work.

**54.0 Firefighting arrangements:**

The contractor shall provide suitable arrangement for firefighting at his own cost. This purpose he shall provide requisite number of fire extinguishers and adequate number of buckets, some of which are to be always kept filled with sand and some with water these equipment shall be provided at suitable prominent and easily accessible place and shall be properly maintained.

Any deficiency in the fire safety or unsafe conditions shall be corrected by the contractor at his own cost and, to the approval of the relevant authorities. The contractor make the following arrangements at his own cost but not limited the following:

- a) Proper handling, storage and disposal of combustible materials and waste.
- b) Work operations which can create fire hazards.



- c) Access for fire-fighting equipment.
- d) Type, number and location of containers for the removal of surplus materials and rubbish.
- e) Type, size, number and location of fire extinguishers or other fire fighting equipment.
- f) General housekeeping.

**55.0 Site order book:**

A site order book shall be maintained at site for the purpose of quick communication between the Architect / Consultant. Any communication relating to the work may be conveyed through records in the site order book. Such a communication from one party to the other shall be deemed to have been adequately served in terms of contract. Each site order book shall have machine numbered pages in triplicate and shall be carefully maintained and preserved by the contractor and shall be made available to the architect / consultant as and when demanded- Any instruction which the architect/consultant may like to issue to the contractor or the contractor may like to bring to the architect / consultant two copies of such instructions shall be taken from the site order book and one copy will be handed over to the party against proper acknowledgment and the second copy will be retained for their record.

**56.0 Temporary fencing/barricading:**

The contractor shall provide and maintain a suitable temporary fencing/barricading and gates at his cost to adequately enclose all boundaries of the site for the protection of the public and for the proper execution and security of the work and in accordance with the requirement of the architect/consultant and regulations of local authorities. These shall be altered, relocated and adopted from time to time as necessary and removed on completion of the work.

**57.0 Site meetings:**

Site meetings will be held to review the progress and quality evaluation. The contractor shall depute a senior representative along with the site representative and other staff of approved sub-contractors and suppliers as required to the site meetings and ensure all follow up actions. Any additional review meetings shall be held if required by the architect/ consultant.-

**58.0 Disposal of refuse:**

The contractor shall cart away all debris, refuse etc. arising from the work from the site and deposit the same as directed by the architect / consultant at his own cost. It is the responsibility of the contractor to obtain from the local authorities concerned to the effect that all rubbish arising out of contractor's activities at the construction site or any other off-site activities borrow pits has been properly disposed off.

**59.0 Contractor to verify site measurement:**

The contractor shall check and verify all site measurements whenever requested other specialists contractors or other sub-contractors to enable them to prepare the own shop drawing and pass on the information with sufficient promptness as will in any way delay



the works.

**60.0 Displaying the name of the work:**

The contractor shall put up a name board of suitable size as directed by the architect/consultant indicating there in the name of the project and other details as given by the architect/consultant at his own cost and remove the same on completion of work.

**61.0 As built drawings:**

For the drawings issued to the contractor by the Architect / Consultant. The architect Consultant will issue two sets of drawings to the Contractor for the items for some changes have been made. From the approved drawings as instructed by the SBIIMS / Architect / Consultant. The contractor will make the changes made on these copies and return these copies to the architect / Consultant for their approval. In cases revision is required or the corrections are not properly marked the architect/Consultant will point out the discrepancies to the contractor. The contractor will have to incorporated these corrections and / or attend to discrepancies either on copies as directed by the architect / consultant and resubmit to him for approval. The architect / consultant will return one copy duly approved by him.

For the drawings prepared by the contractor:

The contractor will modify the drawing prepared by him wherever the changes made by the SBIIMS / architect / consultant. And submit two copies of such modified drawings to the architect/ consultant for approval. The architect / consultant will return one copy of the approved drawing to the contractor.

**62.0 Approved make:**

The contractor shall provide all materials from the list of approved makes at his own cost and also appoint the specialized agency for the waterproofing, anti-termite treatment, aluminum doors and windows and any other item as specified in the tender. The architect/consultant may approve any make / agency within the approved list as given in the tender after inspection of the sample/mockup.

**63.0 Procurement of materials:**

The contractor shall make his own arrangements to procure all the required materials for the work. All wastages and losses in weight shall be to the contractors account

**64.0 Excise duty, taxes, levies etc.:**

The contractor shall pay and be responsible for payment of all taxes, duties, levies, royalties, fees, cess or charges in respect of the works including but not limited to sales tax, tax on works contract excise duty, and Octroi, payable in respect of materials, equipment plant and other things required for the contact. All of the aforesaid taxes, duties, levies, fees and charges shall be to the contractor's account and the SBIIMS Shall not be required to pay any additional or extra amount on this account. Variation of taxes, duties, fees, levies etc. if any, till completion of work shall be deemed to be



included in the quoted rates and no extra amount on this account. Variation of taxes, duties, fees, levies etc. if any, till completion of work shall be deemed to be included in the quoted rates and no extra claim on this account will in any case be entertained. If a new tax or duty or levy or cess or royalty or Octroi is imposed under as statutory law during the currency of contract the same shall be borne by the contractor. However, GST will be paid extra.

**65.0 Acceptance of tender:**

The SBIIMS shall have the right to reject any or all tenders without assigning any reason. They are not to bind to accept the lowest or any tender and the tenderer or tenderers shall have no right to question the acts of the SBIIMS. However adequate transparency would be maintained by the SBIIMS.

**66.0 Photographs:**

The Contractor shall at his own expense supply to the Architects with duplicate hard copies of large photographs not less than 25 cm. x 20 cm. (10" x 8") of the works, taken from two approved portions of each building, at intervals of not more than one months during the progress of the work or at every important stage of construction.

In addition to above, the contractor shall be bound to submit adequate no. of site photographs along with each Running Bill for the project clearing showing major progress of work measured and claimed therein failing which the Architect/ SBIIMS may consider returning the Bill to the contractor and no claim for delay on this account will be entertained.

**67.0 Safety Codes:**

1. First aid appliances including adequate supply of sterilized dressing and cotton wool shall be kept in a readily accessible place.
2. An injured person shall be taken to a public hospital without loss of time, in cases when the injury necessitates hospitalization.
3. Suitable and strong scaffolds should be provided for workmen for all works that cannot safely be done from the ground.
4. No portable single ladder shall be over 8 meters in length. The width between the side rails shall not be less than 30 cm. (clear) and the distance between two adjacent running's shall not be more than 30 cm. When a ladder is used an extra labour shall be engaged for holding ladder.
5. The excavated material shall not be placed within 1.5 meters of the edge of the trench half of the depth of trench whichever is more. All trenches and excavations shall be provided with necessary fencing and lighting.
6. Every opening in the floor of a building or in a working platform be provided with suitable



means to prevent the fall of persons or materials by providing suitable fencing or railing whose minimum height shall be one meter.

7. No floor, roof or other part of the structure shall be so overloaded with debris or material as to render it unsafe.
8. Workers employed on mixing and handling material such as asphalt, cement, mortar, concrete and lime shall be provided with protective footwear and rubber hand gloves.
- 9 Those engaged in welding works shall be provided with welders' protective eye shield and gloves.
10. (i) No paint containing lead or lead products shall be used except in the form of paste readymade paint.  
(ii) Suitable face masks should be supplied for use by the workers when the paint applied in the form of spray or surface having lead paint dry rubbed and scrapped.
11. Overalls shall be supplied by the contractor to the painters and adequate facilities shall be provided to enable the working painters to wash during cessation of work.
- 12 Hoisting machines and tackle used in the works including their attachments anchor and supports shall be in perfect condition.
13. The ropes used in hoisting or lowering material or as a means of suspension shall be durable quality and adequate strength and free from defect

#### **68 . Materials Having Basic Price**

Basic rate is the rate of material inclusive of all taxes, loading and unloading at site etc. but exclusive of GST. If the basic rate of any material actually used for the work is more or less than the basic rate given in schedule of quantities, in that case the difference will be calculated (either plus or minus) and shall be paid or recovered from the contractor. GST shall be excluded from the basic rate and basic rate will include all other taxes, transportation, loading, unloading etc complete in all respect. Rates should be however fair and competitive and verified by market enquiry by the Bank and the quantity purchased in every period should be reasonable and advantageous, if any due to bulk purchase may be also taken into account.

It shall be mandatory to obtain approval of quantity / rate for the PMC / Client before purchase of any material.



**APPENDIX HEREIN BEFORE REFERRED TO**

1) Name of the organization Offering Contract: The Circle Head & Vice President.  
SBIIMS, Circle Office, SBI, LHO, Bhadra, Laldarwaja, Ahmedabad-1

2) Consultants : **VIJAY SAHIJWANI & ASSOCIATES, AHMEDABAD**

3) Site Address : **VANTHALI BRANCH, DIST. JUNAGADH**

4) Scope of Work : Proposed Civil Works At VANTHALI BRANCH

5) Name of the Contractor : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6) Address of the Contractor : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

7) Period of Completion : **45 days from the date of**  
• Issue of work order.  
•

8) Earnest Money Deposit : **Rs.12,300/- (Rupees Twelve  
Thousand Three Hundred Only) by means of Demand Draft/Pay Order** (Valid for a  
period of 180 Days from the last date of submission of the tender) from any scheduled  
Nationalized Bank drawn **in favor of SBI Infra Management Solutions Pvt Ltd and  
payable at Bhavnagar**

9) Retention Money : As per clause no. 1d of  
general Conditions

10) Defects Liability Period : Twelve Months from the date of  
Virtual Completion.

11) Insurance to be undertaken by the : 125% of Contract Value  
Contractor at his cost (Contractor's all risk  
policy)

12) Liquidated damages : 0.5% of the Contract amount shown in  
the tender per week subject to max. 5%  
of the contract value or actual final bill  
value.

13) Value of Interim Bill (Min.) : Only Full & final payment will be paid





- 14) Date of Commencement issued to the Contractor/ or the day on which the Contractor is instructed to take possession of the site whichever is earlier. :From the date of work order
- 15) Period of Final Measurement :2 Months from the date of Virtual Completion.
- 16) Initial Security Deposit : 2% of the Accepted Value of the Tender.
- 17) Total Security Deposit : 5% of the final bill amount including ISD.
- 18) Refund of initial Security Deposit Comprising of EMD and ISD. :50% of the Security Deposit  
Shall be refunded to the Contractor on completion of the work and balance refunded only after the Defect Liability Period is over.
- 19) Period for Honoring Certificate : One Month for R.A. Bills
- 20) The final bill will be submitted by the Contractor within one month of the date fixed for completion work and the Bill shall be certified within 3 months from the date of receipt of final bill provided the bills are submitted with all pre-requisite documents/test reports etc. prescribed in the tender.

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

Date:



## **LETTER OF DECLARATION**

To,  
The C.H. &V.P., Circle Office,  
SBI Infra Management Solutions Pvt. Ltd., Third Floor, SBI, LHO,  
Bhadra, Laldarwaja,  
Ahmedabad-1

Dear Sir,

### **Project:Proposed Civil Works At VANTHALI BRANCH, DIST. JUNAGADH**

Having examined the terms & conditions, drawings, specifications, design relating to the works specified in the memorandum hereinafter set out and having visited and examined the site of the works specified in the said memorandum and having acquired the requisite information relating thereto and affecting the quotation, I/We hereby offer to execute the works specified in the said memorandum within the time specified in the said memorandum on the item rate basis mentioned in the attached schedule and in accordance in all respect with the specifications, design, drawings and instructions in writing referred to in conditions of Tender, the articles of agreement, conditions of contract and with such conditions so far as they may be applicable.

### **MEMORANDUM**

(a)	Description of work	<b>Proposed Civil Work at VANTHALI BRANCH</b>
(b)	Earnest Money	<b>Rs.12,300/- (Rupees Twelve Thousand Three Hundred Only)</b> by means of Demand Draft / Pay Order from any scheduled Nationalized Bank drawn in favour of SBI Infra Management Solutions Pvt Ltd and payable at <b>Bhavnagar</b>
(c)	Time allowed for completion of work from the date of issue of work order.	<b>45</b> days from the date of commencement as per tender.

Should this tender be accepted, I/we hereby agree to abide by and fulfill the terms and provisions of the said conditions of Contract annexed hereto so far as they may be applicable or in default thereof to forfeit and pay to SBIIMS, the amount mentioned in the said conditions.



I/we have deposited Demand Draft / Banker's Cheque / FDR for a sum of **Rs.12,300/- (Rupees Twelve Thousand Three Hundred Only)** as Earnest money deposit with the SBI Infra Management Solutions Pvt. Ltd. Should I/we do fail to execute the contract when called upon to do so, I/we hereby agree that this sum shall be forfeited by me/us to SBI Infra Management Solutions Pvt. Ltd.

We understand that as per terms of this tender, the SBIIMS may consider accepting our tender in part or whole or may entrust the work of various buildings proposed (i.e. Institute Building, Staff Qtrs. And Director's Bungalow/Interior work) in phases. We, therefore, undertake that we shall not raise any claim/compensation in the eventuality of Bank deciding to drop any of the building/buildings from the scope of work of this tender at any stage during the contract period. Further, we also undertake to execute the work entrusted to us in phases on our approved rates and within the stipulated time limit without any extra claim for price escalation as provided for in Clause 9.0.1 "Instructions to Tenderers" of this tender.

We, hereby, also undertake that, we will not raise any claim for any escalation in the prices of any of the material during the currency of contract/execution/completion period.

Yours faithfully,

Signature of contractor With Seal



**PROFORMA FOR RUNNING A/C BILL  
TABLE - XIII**

- i. Name of Contractor/ Agency :  
Name of Work: **Proposed Civil Works At VANTHALI BRANCH, Dist. Junagadh**
- ii. Sr. No. of this Bill:
- iii. No. & Date of previous Bill :
- iv. Reference to Agreement No. :
- v. Date of Written order to commence :
- vi. Date of Completion as per Agreement :

S. No	Item Description	Unit	Rate (Rs.)	As per Tender		Up to Previous R.A. Bill		Up to Date (Gross)		Present Bill		Remarks
				Qty	Amount (Rs.)	Qty	Amount (Rs.)	Qty	Amount (Rs.)	Qty	Amount (Rs.)	
1	2	3	4	5	6	7	8	9	10	11	12	13

**Note:**

1.	If part rate is allowed for any items, it should be indicated with reasons for allowing such a rate.	<hr/> <hr/> Net Value since previous bill
2.	If ad-hoc payment is made, it should be mentioned specifically.	



**CERTIFICATE**

The measurements on the basis of which the above entries for the Running Bill No.----- were made have been taken jointly on ----- and are recorded at pages ----- to ----- of measurement book No.-----.

-----	-----	-----
Signature and date of Contractor	Signature and date of Architects Representative (Seal)	Signature and date of Site Engineer

The work recorded in the above-mentioned measurements has been done at the site satisfactorily as per tender drawings, conditions and specifications.

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Architect	Signature and date of Site Engineer



TABLE - XV

**MEMORANDUM FOR PAYMENT**

R/A BILL NO.

1.	Total value of work done since previous bill (A)	Rs.....
2.	Total amount of secured advance due since Previous Bill (B)	Rs.....
3.	Total amount due since Previous Bill (C) (A+B)	Rs.....
4.	PVA on account of declaration in price of Steel, Cement and other materials and labour as detailed in separate statements enclosed.	Rs.....
5.	Total amount due to the Contractor	Rs.....
	<b><u>OBJECTIONS:</u></b>	
i)	Secured Advance paid in the previous R/A	Rs.....
ii)	Retention money on value of works as per accepted tenders up to date amount Rs.	Rs.....
	Less already recovered	Rs.....
	Balance to be recovered	Rs.....
iii)	Mobilization Advance, if any	Rs.....
(a)	Outstanding amount (principal + interest) as on date	Rs.....
(b)	To be recovered in this bill	Rs.....
iii.	Any other Departmental materials cost to be recovered as per contract, if any	Rs.....
iv.	Any other Departmental service charges to be recovered if any, as per contract (water, power etc.) enclose statement.	Rs.....

The bill amount to Rs. ----- (both figures and words) has been scrutinized by us after due checking of the measurements of work as required and is recommended for payment.

Date:-----

with Seal

-----  
Signature of Architect



The bill amount to Rs.-----certified by Consultants has been scrutinized by me after due test checking of measurements of works as required and is recommended for payment for an amount of Rs. ....

Date : -----

Signature of Banks/ SBIIMS Engineer

<b><u>STATUTORY DEDUCTION:</u></b>		
i)	Total Amount due (E)	Rs. -----
ii)	Less I.T. Payable	Rs. -----
iii)	Less S.T. Payable	Rs. -----
	Net Payable	Rs. -----

This figures given in the Memorandum for payable has been verified and bill passed for payment ----- (in words and figures)

Date:-----

-----  
Signature of the Circle Head & VP



## ADDITIONAL CONDITIONS

Notwithstanding anything contained herein above the following ADDITIONAL CONDITIONS shall be applicable for this contract / work.

### 1. GST & PRICE VARIATION ADJUSTMENT (PVA):

**GST will be paid Extra, as per actual applicable.**

The rates quoted by the bidder shall remain firm throughout the contract / construction period. PVA & PVA Clause mentioned elsewhere in these documents shall not be admissible & applicable.

### 2. WORKING SCHEDULE / BAR CHART:

Detailed working date schedule and bar chart for the work shall be prepared by the contractor and got approved from the Bank / Architect. A detailed flow chart of activities highlighting curing, setting time / period, pot life period / predecessor, successor & critical activities etc. shall also be prepared by the contractor for effective management of work and also to make a realistic bar chart / working date schedule.

### 3. RATES:

It may be noted that it is an item rate contract. Rates accepted by the bank shall be for all levels/height and lead unless otherwise specified in the schedule of quantities and shall be inclusive of all man, labor, supervision, materials, tools, equipment, water, electricity, taxes, insurances, arrangements, temporary works, over heads, collection & carting away & final disposal of rubbish & debris, regular cleaning of site etc. required to complete the works in all respect to the satisfaction of the architects / Bank and nothing additional or extra shall be paid on these accounts and / or on account of variation in rates / taxes and / or imposition of new tax / levy during currency of contract / work, except for the items, taxes, works etc. for which there is a specific mention for additional payment in these tender documents. The rates shall remain firm throughout the contract period. PVA shall not be admissible.

### 3. ADHOC PAYMENT:

**As per NIT**

### 5 SITE ENGINEERS / SUPERVISORS BY CONTRACTOR

The contractor shall post at least one full time site engineer / site supervisor at site

### 6. BASIC RATE:

Wherever for any item of work basic rate of materials are specified, the materials of that basic rates as selected by the Bank/Architect at any commercial establishment/ seller of Ahmedabad or nearby centre, if such materials are not available at Ahmedabad, shall be procured and used by the contractor.

Basic rate of any material (Without processing) is the rate offered by seller against Bill and credit period not exceeding 15 days, including any applicable taxes ex-godown. Payments for procurement of materials shall be made by the contractor themselves.

If the basic rate of any material actually used for the work is more or less than the basic rate given in schedule of quantities, in that case adjustments in the rate admissible to the contractor shall be modified by adding or subtracting, as the case is, from the accepted tender rates an amount equivalent to difference in the basic rates plus 15 % of difference of the basic rate.

### 7. BRANDED/ FINISHING ITEMS:

Branded items such as tiles, construction chemicals, hardware, sanitary wares and other finishing items shall be used as per the samples selected and approved by the architects / Bank from the brands/makes mentioned in the tender document. If the contractor intend to use an equivalent substitute than, they have to produce necessary documentary evidences establishing the equivalency to the satisfaction of the architect and shall use the same only after approval of the architect.

### 8. INSURANCE

The contractor shall be required to take insurance policy under workman compensation acts compulsorily. For rest of the policies relating to insurance, it will be the discretion of the contractor whether to take or not. However the contractor shall keep the Bank indemnify from all the claims arising out of damage to person & property and the SBI shall have right to recover the cost of such damages /claim from any amount due to the contractor. If the claim amount exceeds the amount due to be paid to the contractor, the contractor shall immediately pay such excess amount to the Bank. Decision of the Bank regarding determination of the amount of claim/damage shall be final & binding to the contractor.





## 9. SITE CONDITION & WORKING HOURS.

The work has to be carried out in vacant premises, the contractor shall execute the work day & night to complete the work within the time schedule.

## 10. GENERAL:

(i) Source of materials / samples / brands / makes etc. shall be got approved from the Architects /Bank before using. In case of deviations, decision of the Bank shall be final and binding and shall not be open for arbitration.

(ii) The Architects have their specific role/duties/rights as defined in these tender documents However in the event of any dispute arising out of differences between the opinions of the Architects and also their role/duties/rights, the Banks' decision shall be final & binding on the Architects and the Contractor and shall not be open to arbitration.

(vi) Any item mentioned in the BOQ with "TO THE SHAPE" will have measurement of onsite executed to the shape area only.

The contractor's qualified & authorized representative shall remain on site during the entire execution process for coordination with various agencies/ Architect/Bank & execution of work.

**Hidden measurements:** It is contractor's responsibility to get the measurement checked immediately on completion of such items. This shall be done before finishing the same & before ceiling boarding done. The Architect shall be provided with such details well in advance so that the other work is not held up due to last moment action.

MTC (Manufacturer Test certificate) Where ever applicable shall be arranged & submitted by the contractor.

Water & Electricity, if available, shall be provided by the Bank at one point without any charges. However, if the water & electricity could not be provided by the Bank, the same shall be arranged by the contractor at their own cost within the quoted/accepted rate. Nothing extra shall be paid by the Bank on account of not providing the water & Electricity.

(XI) Wherever the specifications are not specified in details the work shall be carried out as per CPWD specifications or Manufacturer's instructions or architects instructions depending upon the site conditions as directed by the Bank/ Architects

(XII) The contractor shall produce the bills / challans / documentary evidences and proof in respect of genuineness of materials used by him when so ever asked/demanded by the Architects/Bank

**(XIII) Any Hidden item MUST be photographed and need to be sent via social media or CD to Architect**

**(XIV) The contractor shall prepare all loose furniture items at his workshop only & deliver the same to the site at appropriate time as instructed by the Architect**

(XV) The entire job shall be executed in total coordination with the other agencies working on this project & also with landlord, bank etc.

(XVI) The site shall be cleaned on day to day basis & all debris shall be disposed away at the location beyond the limit as approved by the local authority



# TECHNICAL SPECIFICATION

## SPECIFICATIONS OF MATERIALS TO BE USED

### General:

This specifications are for the work to be executed items to be supplied and materials to be used in the works as shown and defined on the drawings and described here in all under the supervision and to the satisfaction of the architect / employer.

The workmanship is to be the best available and to a high standard. Use must be made of specialist tradesmen in all aspects of the works, and allowance must be made in the rates for doing so.

The materials and items to be provided by the contractor shall be the best of their respective kinds, approved by the architect in accordance with any samples, which may be submitted for approval, and generally in accordance with the specification. Where materials or products are specified in this specification and/ or bill of quantities by the name of the manufacture or the brand trade name or catalogue references the contractor will be required to obtain the approval of the architect/ employer before using a material or product other than the specified. The contractor shall produce all invoices, vouchers or receipted accounts for any materials of called upon to do so by the architect.

Sample of all material are to be submitted to the architect for his approval before the contractor orders or delivers in bulk to the site. Also, the contractor will be required to submit specimen finishes to colors, fabrics etc. For the approval of the architect before proceeding with the works. Should it be necessary to prepare shop drawings, then four copies of such drawings shall be submitted for the approval of the architect who will retain to copies, all at the contractors expenses.

### **Materials**

The materials shall be of the best-approved quality obtainable and shall comply with the respective Indian standard specification.

If directed, materials shall be tested in any approved testing laboratory and the test certificates in original shall be submitted to the architect and the entire charges for repeated testes, if ordered shall be borne by the constructor.

It shall be obligatory for the contractor to furnish certificate, it demanded by the architect, from manufacturer of the material supplier that the work has been carried out by using their material and as per their recommendations.

All materials supplied by the employer / any other specialist firm shall be properly stores and the contractor shall be responsible for its safe custody until they are required on the works and till the completion of work.

Unless otherwise shown on the drawings or mentioned in the "Schedule of Quantities" or special specifications, the quality of materials, workmanship, dimensions etc., shall be as specified herein under.

The contractor without any extra cost for carrying out field-tests on materials shall provide all equipment and facilities.

Unless mentioned specifically, all materials used in the construction shall conform to the relevant Indian standards published by bureau of Indian standards.

The contractor whenever in doubt should get the materials approved by the architect, before use. A sample of approved material should be deposited with the architect.

Test certificates from the laboratory approved by the architect will have to be furnished, if so directed by him. The contractor will pay all costs for the same.

For special items to be used, the manufacturer's instruction of handling and installation shall be strictly adhered to. The contractor shall obtain, the guarantee certificate from the manufacturer and pass on the same



to the owner.

Materials if supplied by the owner, shall be properly stored in the safe custody of the contractor. The same shall be carefully used and shall be properly preserved till the work is completed and handed over to the owner. Proper accounts of such materials will be maintained and will be presented for inspection and physical verification as and when requested by the owner.

**Timber:**

Timber generally is to be the best of its kind, well and properly seasoned, of mature growth, free from worm holes large loose or dead knots or other defects and sawn die square and will not suffer warping, splitting or other defects through improper handling.

The wood is to be Steam beach weighting not less than 45 lbs per cubic foot with moisture content not exceeding 12% to 14%. The moisture content of timber shall be determined according to method described in paragraph 4 of is: 287 for "maximum permissible moisture content of timber used for different purpose in different zones".

In measuring cross-sectional dimensions of the frame pieces tolerance up-to 1.5 mm shall be allowed for each planned surface.

**Good quality Steam beach wood:**

Steam beach wood be of good quality and well seasoned. It shall have uniform color, reasonably straight grains and shall be free from large, loose dead knots, cracks, shakes, warp, twists, bends, borer, holes or defects of any kind. No individual hard and sound knot shall be more than 1 cm. In diameter and aggregate area of all knots shall not exceed ½ % of the area of the piece. It shall be close gained and there shall not be less than 6 growth rings per 2.5 cm thick

Good quality Steam beach wood:

Steam beach wood shall be of good quality and well seasoned. It shall have uniform color reasonably straight grains and shall be free from large, loose, dead knots, cracks, shakes, warp, sound knot shall be more than 2.5 cm. In diameter and aggregated area of all knots shall not exceed 1% of the area of the piece. There shall not be less than 4 growth rings per 2.5 cm thick

Timber is to be cut to the required sizes and lengths as soon as practicable after the works are begun and stored under cover so that the air will circulate freely around it. Joinery is to be prepared, immediately after the placing of the contract, framed up (but not bonded) and stored until required for fixing in position, when it is to be bonded and wedged up. Any portions that warp or develop shakes or other defects are to be replaced before wedging up. The whole of the work is to be framed and finished in a proper and workman like manner, in accordance with the detailed drawings, and fitted with all necessary motifs straps, belts screws etc. Running bounded joints are to be cross-tongued with teak ungues and where over 1-1/2% thick double cross tongued. Joiner's work generally is to be finished with fine class papered surfaces unless otherwise specified.

Templates boxes and moulds shall be accurately set out and rigidly constructed so as to remain accurate during the time they are in use.

Grounds are to be clean shown, free from large knots, splayed as required, plugged and fixed to walls etc. At 1'-6" centers.

Wood plugs are to be put cut on the twist. Patent wall plugs or plastic filling may be used in lieu of wood plugs with the approval of the architect.

All unexposed surfaces of timber e.g. fails ceilings, backings fillets backs of doors frames backs of doors frames, cupboard framing, grounds etc. Are to be treated with two coats of approved timber preservative like soigné, kirticite, term seal or castral or vacuum pressure impregnated with and approved water soluble timber preservative before fixing or bedding.

Timber shall be well seasoned and of the best quality Indian teak of specified species. Timber shall be considered as well seasoned, if its moisture content does not exceed the following limits.

(1) timber for frames. . . . . 14%



(2) timber for planking, shutters etc. . . 12%

The moisture content of timber shall be determined according to method described in paragraph 4 of is 287 for "maximum permissible moisture content of timber used for different purposes in different climatic zones".

In measuring cross-sectional dimensions of the frame pieces tolerance up-to 1.5mm shall be allowed for each planed surface.

#### **Carpentry and joinery:**

The carpenter and joiner shall include the finishing of all labor, materials, equipment, and appliances required to complete the work including the installation of hardware as per the drawing. The timber shall be of the quality as described on the drawings or in the bills of quantities, shall be seasoned and uniform in texture, free from fungal growths, knots, waness, open shake borer holes, rot, decay, discoloration, soft or spongy spots, holes, rot, decay, discoloration, soft or spongy spots, hollow pockets, patch or box heart and all other defects. Skilled workmen, using proper tools, shall carry out all the carpenter's work. All joints shall be securely nailed without splitting the wood. Wherever it is necessary the members shall be lapped of joining by g.i. stapes or extra wood blocks. All joints and nailing shall be done in neatness, and shall be approved by the architects. All assembly is exactly at right angles.

Finish woodwork and joinery including doors shall be surfaced with straight without any warp of bow and shall have smooth, well-planned faces at right angles to each other. The frame members shall be planned on the three sides exposed at right angles to each other.

All joinery work shall be securely mortised and tanned with synthetic resin conforming to I.S. 851-1957. Heads, posts, transoms, mullions of door and window frames shall be made out of single pieces of timber only. The heads and posts shall be thought - tanned into the mortises of not less than 1/2". Solid wood panels of not less than 5" and not more than 8" in width shall be used and jointed together with tongue and groove joint.

All interior wood finish doors, cabinetwork shall be smoothly traded and sanded after erection, until all defects are entirely removed. Assembled door frame without sills shall be fitted with temporary stretchers. All exposed wood and plywood shall be straight-grained method grain and color and shall be approved by the architects. Interior wood finished doors cabinets and other fixed wooden equipments shall be properly installed, level plumb and true. But joints shall be avoided wherever possible; if unavoidable the joint shall be leveled. All exterior angles shall be mitered. Adjoining interior woodwork shall match and harmonies. All woodwork in contact with masonry shall be painted with bitumen paint or red oxide paint.

#### **Joints:**

All joints will be standard, mortised and tenon, dovetail, dowel, cross-halved, metered, tongued and grooved and rebated.

Nailed or glued but joints, will not be permitted exceptional cases, ailed but joints will not be accepted. All joints shall be smeared with white lead.

Whenever solid wood is specified it shall be as per I.S.I. 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. It shall be free from large, loose, dead or cluster knots, flows, shakes, wraps, bends or any other defect. It shall be uniform in substance and of straight fibers as far as possible. It shall be free from rats, decay, harmful fungi and other dejects of nature which will affect the strength, durability of it usefulness for the purpose for which it is required. The color of wood shall be uniform as far as possible. The scantlings planks etc. Shall be seen in straight lines and planes in the direction of grain and have uniform thickness.

#### **Plywood:**

Plywood for general purpose shall confirm I.S. 303 MR grade & I.S. 710 B.W.P. / marine grade or as specified. It shall be formed with 0.8 mm. Thicknesses commercial face veneers and 1.5 mm. Thicknesses. Intermediate veneers in two opposite grain direction shall be 1:1. The moisture content shall not be more than 12.5% by mass. It shall either be kit ply make or other equivalent approved make. Where B.W.P. grade is specified it should be boiling waterproof confirming to I.S. standards.



The plywood for general purpose shall conform to is I.S. 303 MR grade & I.S. 710 B.W.P. / marine grade as specified Cementing together thin boards or sheets of wood into panels makes plywood. There is 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.

According to is I.S. 303 MR grade & I.S. 710 B.W.P. / marine grade as specified the plywood for general purpose shall be of three grades namely I.S. 303 MR grade & I.S. 710 B.W.P. / marine grade as specified 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 face, each face being of three kinds namely, a, b and c.

I.S. 303 MR grade & I.S. 710 B.W.P. / marine grade as specified formed with 0.8 mm. Thickness commercial face veneers and 1.5 mm. Thick intermediate veneers in to two opposite grain direction. The moisture content shall not be more than 12.5 % by mass. Where B.W.P. grade is specified it should be boiling waterproof conforming to Indian standards.

#### **Laminates:**

All the laminate to be used shall be of 1.0 mm (or 1.5 mm or 0.5 mm where specified) thickness in approved the color and shade as approved and specified by the architect. It shall be matt finish manufactured by recommended makes as per sample shown by the consultant unless otherwise specified. It shall satisfy all the I.S.I. standards for melamine coated laminated fiber board's before the use of such fiberboard laminated. The contractor shall have to take approval of the department of each sheet of the laminates.

#### **Fixtures and fastenings:**

The fixtures and fastening, that is, butt hinges, tend 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 S.S., S.S. brush finish, iron, brass, aluminum, chromium plated iron, and chromium plated brass, copper oxidized iron, copper oxidized brass or anodized aluminum as specified.

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

The samples of fixtures and fastening 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.

Screws, nails, bolts will be of brass or other no corrosive metal. In hardware, they will match the finish of the hardware item. Nails, in a finished surface shall be neatly punched and the hole filled with wood filler matching the finish. Screws in a finished surface will be round head, raised head or sunk beneath the surfaces and the hole plugged with a wood plug with matching color and grain of the wood surface as directed.

S.S. fittings should be proper polish finished.

Screws, nails, bolts, will be of brass or non-corrosive metal. In hardware, they will match with the hardware items.

Nails, in a finished surface shall be neatly punched and the holes filled with wood filler matching the finish. Screws, in a finished surface will be round head, raised head or sunk beneath the surfaces and the hole plugged with a wood plug with matching color and grain of the wood surface, unless especially detailed

#### **Hardware**

Hinges, locks, latches, door tracks etc. shall be as specified and as far as possible, by the manufacturer specified. In any variation of this quality of the substitute shall be equal to or better than the original specified, and the samples shall be submitted to the architect for prior approval.

#### **Hardware and metals**

The hardware throughout shall be of approved brand and supply well made and equal in every respect to the samples deposited with the architect. The contractor may be required to produce and provide samples many



different sources before the architect is able to make the decision and he should allow in his rates for doing so.

Fittings generally shall have a brass finish or powder coated finish unless otherwise specified and should be suitable for their intended purposes.

Screws are to match the finish of the article to be fixed and to be rounded or flat headed or counter sunk as required.

Cover up and protect at the brass or powder coated surfaces with a thick grease or other suitable material, renew as necessary and subsequently clean off and clear away on completion

All steel, brass, bronze, aluminum and stainless steel articles shall be submitted to a reasonable test for strength If so required by the architect at the contractors expenses.

### **Door closers**

The overhead door closer shall be of standard make as listed by the architect. The overhead door closer shall be of color as approved by the architect. Fixing of the overhead door closer shall be done by and experienced worker preferable from the principal supplier of the item.

After successful installation of the overhead door closer the same shall be checked for speed of door closing. The contractor shall make necessary adjusted operating mechanism as per manufacturer's guidelines to arrive at most suitable

operating speed. The selected operating speed should remain constant on all repeated operations. If an overhead door closer is found to lose its adjusted operating speed often during warranty period then the shall have to be replaced with a new piece without charging any extra.

In case of a steel frame door the overhead door closer shall have to be mounted on a special plate supplied by the manufacturer. No extra payment shall be due for such mounting plate.

The rate shall include all materials, labor, required civil work etc. Complete and shall be paid per no. Of overhead door closers installed.

### **Paints:**

Lime for lime wash, dry distemper, oil bound distemper, cement primer, oil paint, enamel paint, flat oil paint, plastic emulsion paint, anti-corrosive primer, red lead, water-proof cement paint shall be from an approved manufacturer and shall conform to the latest Indian standard for various paints. Ready mixed paints as received from the manufacturer without any admixture shall be used, except for addition of thinner, if recommended by the manufacturer. However, if ready mixed paint of specified shed or tint is not available then only 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 met with following general requirements:

Paint shall not show excessive setting in a freshly opened full can and shall easily be redispersed with a paddle to a smooth homogeneous state. The paint shall show no curdling, leivering, cracking or color separation and shall be free from lumps and skins.

Paint as received shall brush easily; possess good leveling properties and show no running or sagging tendencies.

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

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

General: wherever scaffolding is necessary, it shall be double scaffolding.

The surface shall be thoroughly brushed free from mortar droppings, and foreign matter. All steel work shall be cleaned of loose rust, mill scales, etc. So as to expose the original surface. All broken edges, cracks,



loose-plaster and wavy surface shall be brought up either by patch plasterwork or by plaster of Paris.

All materials viz. Dry distemper, oil bound distemper, oil paint, flat oil paint, synthetic enamel paint, plastic emulsion paint, cement primer, red lead and other primers and metallic paints shall conform to respective i.s. specifications and shall be obtained from approved manufacturers.

#### **Painting - Flat / Plastic emulsion etc.:**

Ready mixed flat oil paint, plastic emulsion paint, ready mixed synthetic enamel paint, aluminum paint, etc. Shall be brought in original containers and in sealed tins, if for any reason thinner is necessary, the brand and quality of thinner recommended by the manufacturer or as instructed by the architect shall be used.

The surface shall be prepared as specified above and a coat of approved primer shall be applied. After 24 hours drying, approved or specified quality paint shall be applied evenly and smoothly. Filler putty coating may be given to give a smooth finish. Each coat shall be allowed to dry out thoroughly and then lightly rubbed down with sand paper and cleaned

of dust before the next coat is applied. Number of coats shall be as specified in the item and if the finish of the surface is not uniform, additional coats as required shall be applied to get good and uniform finish at no extra cost. After completion no hair marks from the brush or clogging of paint puddles in the corners of panels, angles or moldings etc. Shall be cleaned of stains.

Pigmented priming coat (emulsion thinned with water) followed by three or more finishing coats of plastic emulsion paint. Pasted filler to be applied after every coat exempting the final finishing coat and sanded. When the final coat is applied, if directed the surface shall be rolled with a roller or if directed, it shall be stippled with a stippling brush.

#### **Enamel paints**

Oil paints shall be of first quality and of the specified color and shade, and as approved. The ready mixed paints shall be only used. However, if ready mixed paint of specified shade or tint is not available while 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 with the following general requirements:**

Paint shall not showed excessive setting in a freshly opened full can and shall easily be redispersed with a paddle to a smooth homogeneous stage. The paint shall show no curdling/livering, caking or color separation and shall be free from lumps and skins.

Paint as revived shall brush easily; possess good leveling properties and show no running or sagging tendencies.

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

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 manufacturers and generally according to their instructions and without any admixtures what so ever.

#### **French polish:**

The French polish of required tint and shape shall be prepared with the below mentioned ingredients and other necessary material:

- (i) Denatured spirit of approved quality
- (ii) Chandras
- (iii) Shellac
- (iv) Pigment

The French polish so prepared shall conform to is 348.



### **French polishing:**

French spirit polish shall be an approved make conforming to i.s.: 348. If it has to be prepared on site, dissolving 0.7 kg shall make the polish. Of best shellac in 4.5 liters of mentholated spirit without heating. To obtain required shade pigment may be added and mixed.

Surface shall be cleaned. All unevenness shall be rubbed down smooth with sand paper and well dusted. Knots, if visible, shall be covered with a preparation of red lead and glue. Resinous or loose knots and gaps shall be filled with seasoned timber pieces and made level with rest of the surface. Holes and indentations on surface shall be filled with putty made of

whiting and linseed oil. Surface shall be given a coat of filler made of 2.25 kg. Of whiting in 1.5 liter of mentholated spirit. When it dries, surface shall again be rubbed down perfectly smooth with sand paper and wiped clean.

Piece of clean fine cotton cloth and cotton wool made into shape of pad shall be used to apply polish. The pad shall be moistened with polish and rubbed hard on the surface applying the polish sparingly but uniformly and completely over the entire surface. It shall be allowed to dry and another coat applied in the same way. To give furnishing coat the pad shall be covered with a fresh piece or clean fine cotton cloth, slightly damped with mentholated spirit and rubbed lightly and quickly with a circular motion, till the finished surface attains uniform texture and high glass.

**Wax polishing:** The bee's wax and the boiled linseed oil shall be heated over a slow fire. When the wax is completely dissolved the mixture shall be cooled till it is just warm, and turpentine oil and varnish added to it in the required proportions and the entire mixture is well stirred.

Surface shall be prepared as described under "French polishing" except that the final rubbing shall be done with sand paper, which has been slightly moistened with linseed oil.

Mixture or polish shall be applied evenly, with a clean cloth pad in such a way that no blank patches are left, and rubbed continuously for half an hour. When the surface is quite dry a second coat shall be applied in the same manner and rubbed continuously for an hour or until the surface is dry. Final coat shall then be applied and rubbed for two hours or more if necessary, until the surface has assumed a uniform glass and is quite dry showing no sign of stickiness when touched. Glass rubbing must be continuous and with uniform pressure and frequent change in direction.

### **Glass:**

All glass shall be of best quality, free from flaws, specks, bubbles, veins, smokes, air holes blisters and other defects. The thickness and kind of glass to be used shall be as mentioned in the item or as shown in detailed drawing. The thickness of glass panel shall be uniform. All glass shall be of approved make by the architect and conforming to is 3548.

All glass shall be float glass of the best quality, free from specks, bubbles, smokes, veins, air holes, blisters and other defects. The kind of glass to be used shall be as mentioned in the item or specification or in the special provisions or as shown in detailed drawings thickness of glass panel shall be uniform. All glass to be approved manufacture complying with is: 3548-1966 or as per approved quality and sample.

The compound for glazing to metal is to be special non-hardening compound manufacture for the purpose and of 9 brands and quality approved the interior designer.

In cutting glass, proper allowance shall be made for expansion. Each square of glazing to be in one whole sheet and after cutting the edges to be properly filled.

On completion, clean all glass inside and out, replace all cracked scratched or broken panes and leave in good condition to the satisfaction of the architect.

The contractor shall furnish all labor, materials, and equipments required for the installation of glass and glazing items.

The glass shall be of the type, quality and substance specificity in the bills of quantities.

In case of the glass being supplied by the owners, the contractor shall take the delivery of the glass at site and shall be responsible for proper handling and stacking. We shall insure glass against theft, fire, etc.





The contractor shall replace at his own expense all broken, damaged or disfigured glass caused in the execution of the work of faulty installation, before the virtual completion of the work. Patterned or translucent glass shall be 4 mm. In thickness and shall be approved by the architects. Sheet glass shall be in

5 mm. In thickness. Wired glass shall be 6 mm. In thickness.

The putty used for glazing metal door, window or ventilator shall conform to I.S. 420:1953.

Before installation of the glass, the contractor shall ensure against the following:

All glazing rebates shall be square, putty, true in plane, clear, dry and free of dust. The frames shall be adjusted before glazing. The weight of the glass in side hung casement causes it to drop slightly on its hinges. Before glazing it shall be set in slightly high position in its frame. Glass edges shall be clean and cut to the exact size, chipped or damaged edges shall be rejected. Sashes shall be glazing in the closed position and shall not be open till the putty is set.

The glass shall be set in teak wood beading or metal glazing chips and so installed to achieve water tightness.

The platter glass shall be bedded on strips of leather or felt turned over the two sides of the glass to form packing between the glass and the metal coating. The ground glass shall be getting with smooth surface outside. Glazing large panes of glass, or when heavy wind pressure is experienced, glazing bead may be used instead of front putty. In this case putty shall be applied to the face of the bead, which is in contact with glass. Putty would also be necessary, at the back.

Beads shall be of timber, rustproof steel or aluminum and shall have mitered corners. The position and size of the bead may depend on the thickness of glass used. The beads shall be fixed with screws 0" apart.

On completion of the job, all glass shall be thoroughly cleaned. All paint or other marks to be removed.

### **SPECIFICATION FOR WORKMANSHIP**

#### **Painting and polishing:                    various readymade paints:**

The surface to be painted shall be cleaned and all cracks, holes and surface defects shall be repaired with plaster of Paris. All irregularities shall be sand papered and wiped clean. The surface so prepared must be dry and free from dust.

The priming coat shall be applied over in the manner recommended by the manufacture in case of special paint. When no priming coat is specified by the manufacturer, putty composed of powered whitening chalk mixed with double polished linseed oil of required workable consistency shall be applied to prepare a good, hard background in case of undecorated surfaces. The surface shall be then rubbed down again with a fine grade sand paper and made smooth

The paint shall be of 1st quality and of specified color and shade and as approved.

Ready mixed paint as received from the manufacturer without any admixture shall be used, except for addition of thinner, if recommended by the manufacturer. However, if ready mixed paint of specified shade or tint is not available while 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.

#### **Polishing to wood work:**

Woodwork to be polished shall be finished smooth with plane. It shall then be rubbed smooth with medium and fine sand papers. In no case sand paper shall be rubbed across the grains. All holes, cracks, open joints and small defects if all allowed to remain by the architect shall be stopped with putty made from pure whiting mixed to the proper consistency with linseed oil.

Polish shall be applied in very thin coats with special fine haired varnishing brushes. Before applying first coat after stopping, the wood surface shall be rubbed down lightly with a fine sand paper taking care to rub along the grains and to leave the color even. The number of coats shall be as specified in the item.

#### **Measurement:**

No separate measurement and payment shall be made for such finishing work. The cost of such finishing shall be included in the rate of related item of woodwork. But if the item is to be carried out independent item of measurement shall be as per is 1270.

**Melamine polishing to wood work:**

All unevenness shall be rubbed down to smooth with sand paper and surface shall be cleaned of dust.

The wood to be polished should be first painted with filler composed of a mixture of whiting and mentholated spirit to obtain a good glass surface. The surface shall be again rubbed down for making perfectly smooth with sand paper. The number of coats of melamine polish shall be as specified in the item. On the woodwork a pad of woolen cloth covered by fine cloth shall apply a thin coat of melamine polish. The pad shall be moistened with polish and rubbed on a surface in a series of overlaying circles, applying the polish uniformly over the entire area to give even surface. A trace of linseed oil on the face of pad facilitates this operation. The surface shall be allowed to dry and the remaining coats shall be applied in the same manner to finish off. The pad shall be covered with a fresh piece of clean fine cloth, slightly damped with mentholated spirit and rubbed lightly and quickly with circular motion.

The finished surface shall have uniform texture and high glass. The melamine polish shall be applied with spray gun and even coating shall be applied to get the very good quality of finishes.

**Measurement:**

No separate measurement and payment shall be made for such finishing work. The cost of such finishing shall be included in the rate of related item of woodwork. But if the item is to be carried out independent item of measurement shall be as per IS 1270.



### **SPECIFICATION OF MATERIALS**

All the material to be used shall be from the list of ISI approved Brand. Any deviation from this shall be got approved from owner, the contractor shall submit samples of materials used for verifications and produce Bill in original.

1	SAMPLES	After receipt of the bids but prior to award of the contract, bidder shall, upon notification from owner submit samples of materials he intends to use. The owners shall reserve the right to evaluate the sample with regard to the specification before award of work. Sample as directed by the owner for various items shall be prepared/brought for approval without any cost.
2	BLOCKBOARD/P LYWOOD	Should be Termite and powder proof.
3	GLASS	Glass shall be Float glass of Modi-guard Company
4	TIMBER	Wherever specified shall be Teak wood from Central Province (C.P)/Ghana best quality. It shall be well seasoned, uniform in color, free from sap wood, wares, free from large and loose node, cracks shakes and other defects
5	HARDWARE	Hinges, Handles, Stoppers, Stays, etc. wherever required shall be SS Brush finish of approved shape and size only. Sample shall be got approved before fixing.
6	UPHOLSTRY	Fabric or upholstery material wherever called for shall be of the color, texture and manufacture approved by the owner.
7	WORKMANSHIP	The work involved calls for high standard of workmanship and shall be carried out and completed in the best possible manner keeping modern trend of artistic finishes and designs in view so as to make the entire work/furnishing aesthetic looking, keeping in harmony with other furnishing in the area. Furnishing in the area.
8	DIMENSION AND JOINTS	The dimensions mentioned in the schedule of quantities and drawings are approximate. The contractor may suggest small deviations in the dimension so as to make the individual items as also the entire job functionally sturdy, comfortable as well as aesthetic in look. The final decisions regarding sizes of various members and working dimensions etc. will, however, be taken at the time of approval of sample, The contractor should take actual dimensions available at site before fabrication. The joints shall be perfect and sturdy and shall preferably be machine made and assembled with approved quality synthetic glue. The structural design of different members and also the items as a whole shall be sturdy and capable of withstanding the various loads likely to be subjected to in day to day use.
9	ADDITIONAL	The contractor shall provide additional members wherever necessary for providing, door, opening, cut-outs, etc. to facilitate fixing of light fixtures, plug points, air-conditioning supply and return grilles etc. The work includes cost of fittings and fixtures & fixing the various items in position in floors, walls, ceiling etc., in the Building in accordance with the drawings or as directed by the Owner's Architect. It will be also necessary to make holes, chases, etc. in floors, Wall, ceiling, R.C.C etc. as may be required for fixing the partitions. The contractor shall allow for such provisions in his quoted rate. It will be deemed that while quoting rates the contractor has taken into account all foreseeable contingencies
10	POLISHING	All visible Wood members shall have Lacquer polish, other surface may have French polish as directed complete.
11	DRAWER	All Drawers in counters, Tables, side Tables shall have Ebco (Earl Bihari make) Or Equivalent sliding channels for smooth movement.
12	Locks	All Locks in Tables, Cupboards and Drawers must be group locks of



## **SPECIFICATION**

Line out- contractor shall prepare line out on site as per plan prepared by the architects and get the same approved from architects. Contractor shall prepare benchmarks for line and level and preserve the same. Contractor shall also locate plot boundary stones and keep them intact.

### **1.00 CONCRETE WORK**

- \* Providing and erecting formwork for structures up to plinth level.

Centering work shall be strong enough to carry the weight of the concrete, for this necessary supports, bracing, wall plate jute ropes, binding wires shall be used. The gapes between two plates or planks shall be closed with wooden wedges or strips if the gaps are small same shall be filled with lapis. Contractor shall be responsible for all centering material in case of exposed concrete. Centering shall be checked by the architects and if it is not satisfactory then it shall be removed and made as per the instructions. Before laying reinforcement centering shall be totally cleaned and good quality oil shall be applied on the surface. No extra charge shall be paid for the same. Wooden planks shall be watered before concreting.

Measurements for centering shall be for the surface area only. Area of beams, pillars, perdis and walls shall be deducted from area of a slab. In case of beams only hanging part of the beam shall be measured. Area of beam, pardi, lintel shall be deducted from area of column.

Centering shall be removed as per the following table. If ordinary Portland cement is used in RCC.

a) Bottom of linted	10 days.
b) Bottom of beam upto 6.0 mt span above 6.0 mt span	21 days.
c) Slab span less than 4.5 mt.	7 days.
d) Slab span more than 4.5 mt.	14 days.
e) Cantilever structure	21 days.

If Pozzolana cement is used in RCC then the above timings shall be doubled or as per the instruction of the architects\engineer.

### **Mode of Measurement**

It shall be measured in sqm. The actually shuttered area shall be measured and paid for. The rate shall include providing and erecting formwork in position as per drawings, applying oil, removal of form after the specified period.

- \* Providing and erecting Formwork for structures in super Structure

The general specification is same as above.

### **1.01 Providing and laying plain cement concrete 1:4:8 (1 Cement :4 coarse sand, 8 graded stone aggregate of nominal size 37 mm and down.**

The coarse aggregate, cement and coarse sand shall be of quality as specified. The other producers are same as that specification in item above.

### **Mode of Measurement**

This shall be measured in cum and part thereof. The bed concrete provided for flooring shall be paid for under this item. The rate shall include cost the shuttering to be provided.



## 1.02 Providing and laying RCC of mix M20 for structure up to plinth level.

### Mix Design

All concrete in the works shall be of design mix as defined in IS 456, unless it is a nominal mix concrete such as 1:3:6, 1:4:8 or 1:5:10. Whether reinforced or otherwise, all design mix concrete works to be carried out under this specification shall be divided into the following specification.

MINIMUM COMPRESSIVE STRENGTH OF 15 CM CUBES AT 7 AND 28 DAYS AFTER MIXING, CONDUCTED IN ACCORDANCE WITH IS 516.

Class	Preliminary test N\SQ.MM		work test N\SQ.MM mm.		Max. size of aggregate	Minimum Cement Content per cum.
	at 7 days	at 18 days	at 7 days	at 28 days		
M 25	23.5	35.0	17.0	28.0	40 or 20	370 Kg.
M 20	19.04	29.0	13.5	22.0	40 or 20	320 Kg.
M 15	14.0	17.0	10	16.0	40 or 20	300 Kg.

Before the concrete is actually placed in position, the insides of the form work shall be inspected to see that they have been cleaned and oiled. Temporary openings shall be provided to facilitate inspection, especially at bottom of column and walls forms to permit removal of saw dust, wood having, binding wire, rubbish dirt. etc. Openings shall be placed or holes drilled so that these materials and water can be removed easily. Such opening\holes shall be later suitably plugged.

The various agencies shall be permitted ample time to install drainage and plumbing lines in floor and trench drains, conduits, hangers, anchors, inserts, sleeves, bolts, frames and other miscellaneous embedment to be cast in the concrete as indicated on the drawings or as is necessary for the proper execution of the work contractor shall cooperate fully with all such agencies and shall remit the use of scaffolding form work etc. by other agencies at no extra cost.

All embedded parts, inserts etc. supplied by owner or contractor shall be correctly portioned and securely held in the forms to prevent displacement during depositing and vibrating of concrete.

Slots, opening, holes, packets etc. shall be provided in the concrete work in the positions indicated in the drawings or as directed by Engineer.

Prior to concrete placement all work shall be inspected and approved by Engineer and if found unsatisfactory, concrete shall not be poured until after all defects have been corrected at contractor's cost. Cat ladders shall be provided on the reinforcement to facilitate labour movement.

Needle vibrator shall be used to avoid Air pockets. Concrete shall be poured in such a way to avoid wastage, it shall be on uniform consistency and shall not be poured from a height of more than 1.5 mt. After mixing, concrete shall be poured as early as possible, and after casting for fifteen days nothing shall be stored on top of it.

Concreting, once started, shall be continuous until the pour is completed. Concrete shall be placed in successive horizontal layers of uniform thickness ranging from 15 to 90 mm as directed by Engineer.



The top surface of each pour and bedding planes shall be approximately horizontal unless otherwise instructed.

### **Placing concrete through reinforcement steel.**

When placing concrete through reinforced steel, care shall be taken to prevent segregation of the coarse aggregate. When the congestion of steel makes placing difficult it may be necessary to temporarily move the top steel aside to get proper placement and restore reinforcing steel to design position.

Concreting work - In RCC work concrete mix shall be as per the instruction of the Architect/Engineer. After the casting of concrete it shall be cured for at least fifteen days by the contractor. Necessary packing shall be kept below the steel for proper cover. Concreting shall always be machine mixed however for small quantities. Engineer may allow hand mixed concrete as per the instruction. Hand mixed material shall be first dry mixed and then water shall be mixed.

### **Repair and replacement of unsatisfactory concrete.**

Immediately after the shuttering is removed, the surface of concrete shall be very carefully inspected and all defective areas called to the attention of Engineer who may permit patching of the defective areas or also reject the concrete unit either partially or entirely. Rejected concrete shall be removed and replaced by contractor at no additional expense to owner. Holes left by bolts etc. shall be filled up and made good with mortar composed of one part of cement to one and half parts of sand passing 2.36mm IS sieve after removing any loose stones adhering to the concrete shall be finished as described under the particular items of work.

Superficial honey combed surfaces and rough patches shall be similarly made good immediately after removal of shuttering in the presence of Engineer and superficial water and air holes shall be filled in.

The mortar shall be well worked into the surface with a wooden float. Excess water shall be avoided. Unless instructed otherwise by Engineer the surface of the exposed concrete placed against shuttering shall be rubbed down immediately on removal of shuttering to remove fine or other irregularities and necessary care being taken to avoid damage to the surface. Surface irregularities shall be removed by grinding.

If reinforcement is exposed or the honeycombing occurs at vulnerable positions e.g. ends of beams or columns it may be necessary to cut out the member completely or in part and reconstruct. The decision of Engineer shall be final in this regard.

### **Mode of Measurement**

The unit rate for concrete work under various categories shall be all inclusive and no claims for extra payment on account of such items as leveling holes, embedding inserts etc. shall be entertained unless separately provided for in the schedule of quantities. No extra claim shall also be entertained due to change in the number, position and/or dimensions of holes slots or openings sleeves, inserts or on account of any increased lift or scaffolding etc. All these factors should be taken into consideration while quoting the unit rates.

Payment of concrete will be made on the basis of unit quoted for the respective items in the Schedule of Quantities. No deduction in the concrete quantity will be made for reinforcements, inserts etc. and opening less than 0.05 cum. where concrete is measured in cum. Where no such deduction for concrete is made, payment for shuttering work provided for such holes, pockets etc. will not be made.

### **2.03 Providing and laying M 20 concrete in superstructure**

The general specification is same as per item no. 2.02



## **2.04 Providing, fabricating and placing in position Reinforcement steel.**

The quality of the steel shall be as mentioned. The bars shall be fabricated as per the drawings. Laps and splices for reinforcement shall be as shown on the drawings. Splices in adjacent bars shall be approved by Engineer. The bars shall not be lapped unless the length required exceeds the max. available lengths of bars at site.

Reinforcing bars supplied bent or in coils, shall be straightened before they are cut to size. Straightening of bars shall be done in cold and without damaging the bars. This is considered as a part of reinforcement bending fabricating work.

Unless indicated otherwise on the drawings, clear concrete cover for reinforcement (exclusive of plaster or other decorative finish) shall be as specified in detailed drawings.

Cutting, bending, arranging and fixing reinforcement bars as per details. Concreting shall be done after getting the steel checked by architect/engineer.

Contractor shall request the architect to check the steel only after he has checked the steel. If architect/engineer shows some modifications in the steel same shall be carried and rechecked by the architect before concreting. Architect shall be informed at least two days in advance for concreting. Necessary steel support shall be provided for keeping top bar and bent bars in positions as directed. Ends of all top steel bars shall be bent 90 degree. Rate for steel shall be for the weight of steel used as reinforcement.

### **Mode of Measurement**

Lengths of reinforcement steel shall be measured to the nearest centimeter. Spacers and chairs shall be measured and converted to weight using IS coefficients. The actual quantity of steel embedded in concrete as calculated and approved by Engineer, irrespective of the level or the height at which the work is done shall be taken. The unit rate for reinforcement shall include all wastages, binding wire, etc. for which no separate payment shall be made. Laps as approved by Engineer and minimum number of chairs and spacer bars required to keep the paid for.

## **2.00 BRICK MASONRY**

### **2.01 Providing and constructing brick masonry in CM in foundation and up to plinth level.**

All bricks shall be watered before using for construction. Except closer, brick pieces shall not be used. Each layer shall be in line, level and plumb. Thickness of horizontal or vertical joint shall not be more than 12mm. Cement mortar proportion shall be as per the instructions. Every fourth layer cement slurry shall be laid. In one day brick work shall not be carried out above 1.2 mt height. Brick work shall be carried out as per English bond unless informed otherwise. Offsets shall be left for cross walls. Rate for brickwork is including scaffolding. All opening above 0.1 Smt shall be deducted. No additional charge shall be given for making of openings. Necessary openings as per drawings and instructions shall be provided in walls. Except 100 mm thick partition wall all brick work shall be measured in cubic meters. No separate rate shall be paid for construction of parapet wall, compound wall, brick steps, load wall, gala bead etc.

For brick partition, every 4th layer, 6mm M.S bar shall be placed in brick work. Plaster thickness shall not be considered for wall thickness. If in the opinion of Architect Engineer the work is not satisfactory it shall be dismantled and reconstructed to the entire satisfaction of the Architects. In case of exposed brick work, special brick supplied by the owner shall be used. Broken cracked or uneven



corner bricks shall be used. Open edges\faces of the brick shall be rubbed if required. To make a groove of 12mmx12mm, 10mmx10mm square bar shall be used, While constructing brick wall. All the grooves shall be of same size. After the construction brick surface and groove shall be cleaned to the entire satisfaction of the architect. In case of flush pointing joints shall be raked up to 12mm depth and filled with cement mortar as per instruction. Surface of the brick shall be cleaned to the entire satisfaction of the architect.

#### **Mode of Measurement**

(i) Brick work of thickness one brick i.e. 230 mm and above shall be paid in units of cum.

In all cases, the quantities measured shall be executed after making necessary deductions for openings etc. as given below :-

No deductions shall be done for ends of dissimilar materials, drainage holes, window\door holdfasts, concrete lintel bearings, landing slab bearing, beam bearing, chimney flues, cutouts, iron fixtures, pipes up to 30mm dia.

(ii) It shall be clearly understood that the rates quoted by the contractor include leaving openings, cutting chases in brick work as per drawings\instructions of the Engineer.

(iii) The rate includes necessary single or double scaffolding, centering, soaking of bricks, raking not joints and curing the work all complete.

#### **2.02 Providing and constructing brick work in CM in superstructure above plinth level to G.F. Slab Level**

The general specification is same as per item no. 2.01

### **3.00 FINISHING**

#### **3.01 Providing & Applying cement plaster 12-15 mm thick**

Cement mortar for plaster shall be as per instructions or in 1:4 proportion of cement and sand. Cement and sand shall be properly mixed and water added and properly mixed. Prepared cement mortar shall be used within 1\2 hour of mixing before plastering joints of brick walls shall be raked and RCC surface roughened, both surface shall be line and level. It shall be made smooth with cement paste with trowel. Plaster shall be cured for 10 days by the contractor. No extra rates shall be paid for plaster on RCC column, pardi, beam, slab etc. Plaster of slab, weather shade, canopy, linter pardi, sun breaker, parapet wall shall not be considered for pattas (bands) and no extra payment shall be made for the same. Plaster bands shall be only considered when there is difference in thickness of plaster and instructions have been given by the Architect\Engineer. Rates shall be including rounding of corners, edges with single coat mala plaster. If architects is not satisfied with the quality of plaster, same be removed and redone at the cost of contractor.

Opening for doors, windows, ventilators etc. shall be deducted from one side only. Jamb & offset shall not be paid.

#### **Mode of Measurement**

The quantity of work to be paid for under this item shall be calculated by taking in the projected surface of the area plastered after making necessary deductions for openings, doors, windows etc. as given below :-

No deductions shall be made for opening or end steel joints, beams, post girders etc. upto 0.5 sqm area. No addition shall be made for joints, soffits and sills of such openings. This is applicable to both the sides or the wall.

Where opening exceeds 0.5 sqm. but does not exceed 3 sqm and also when only one side of the wall is treated and other side is not treated, deduction shall be made if the width of the reveal on the treated sides is less than that on the untreated side but if the width of the reveal is more no deduction nor addition shall be made for reveals for jambs, soffits, sills etc.





For openings more than 0.5 sqm but not exceeding 3 sqm and also when both the sides of the wall is plastered with the similar plaster, deduction shall be made for one face only. But when both the sides treated with different plaster, then deduction shall be made from the side on which the reveal is less and no deduction on the other side.

For openings whose respective areas exceed 3 sqm deduction shall be made for the full opening of the wall treatment on both faces while at the same time jambs, sills and soffits shall be measured in sqm for payment. In measuring the jambs deduction shall not be made for the area in contact with the frames of doors, windows etc.

If the average thickness of the plaster is more than the specified thickness due to any account nothing extra shall be paid for the same.

Nothing extra shall be paid for double scaffolding and the rate is applicable for work at all levels.

### **3.04 Providing & Applying Acrylic Emulsion paint**

Paint to be used for the various items of work should be of approved make viz. British, Asian, Jenson & Nicholson, ICI or Shalimar. The painting work shall be carried out as directed by the engineer, keeping however in view the recommendations of the manufacturer. Where painting with plastic emulsion is specified, all uneven surfaces shall be thoroughly cleaned of all dust, dirt and sand papered. One primer coat with cement putty and minimum 2 coats of emulsion paint shall be applied. It shall be applied with rollers. Workmanship shall conform to the requirements of IS:2395.

#### **Mode of Measurement**

The actual quantity of work carried out shall be measured in sqm. Deduction for opening etc. shall be made as in the case of cement plaster.

## **4.00 FLOORING**

### **4.01 Providing & Fixing Vitrified tile flooring**

The type, quality, size, thickness, colour etc. of the tiles for flooring shall be as per the item description given in the Schedule of Quantities and of best quality. The contractor shall provide the Engineer with necessary sample for approval.

Before the tiling work is commenced, the sub-surface shall be thoroughly cleaned and washed of all loose material, dirt, and surface. The tiles shall be laid on cement mortar of 1:4 bedding of thickness and proportion as specified in the item description. The mortar shall be evenly spread on the sub-floor. Over this mortar bed, 4.4 kg of cement per sqm of floor area shall be spread. The tiles shall be fixed on this bed one after another. Each tile being gently tapped with a wooden mallet till it is properly bedded and in level with the adjoining tiles. The joints shall be perfectly straight and uniform in thickness. The tiles shall be laid perfectly in level unless otherwise specified by the Engineer. After laying the tiles the joints shall be finished with white cement or ordinary cement as specified.

Floor tiles laid adjoining the wall shall project 12mm or as specified under the plaster, skirting or dado as directed by the Engineer. Half tiles and pieces shall be avoided. After laying the tiles, it shall be cured for at least 7 days. About a week after laying the tiles each and every tile shall lightly tapped with a small wooden mallet to find out if it gives a hollow sound, if it does, such tiles along with any other cracked or broken tiles shall be removed and replaced with a new tile to proper line and level. The same procedure shall be followed again after the tiles are finally polished. For the purpose of ensuring that such replaced tiles match with those earlier laid it is necessary that the Contractor order enough extra tiles from the factory to meet this contingency. The tiles shall finally be cleaned and polished by using dilute oxalic acid or any other method recommended by the manufacturer and approved by the Engineer.

#### **Mode of Measurement**



Unit of measurement for floor tiling shall be sqm or part thereof of the superficial area. Actual quantity of tiling work carried out shall be measured and paid for after making deductions for openings etc. The rate shall include the cost of tiles including wastage, laying as per specifications, curing, polishing etc. all complete.

#### **4.02 Providing & Fixing Vitrified tiles in skirting, dado and risers**

For dado and skirting work, the vertical surface shall be thoroughly cleaned and wetted. Thereafter it shall be evenly and uniformly covered with about 12mm thick 1:3 cement mortar. For this work the tiles as obtained from the factory

shall be of the size required and practically fully polished. The back of each tile to be fixed shall be covered with a thin layer of neat cement paste and the tile shall then be gently tapped against the wall with a wooden mallet. This shall be done from the bottom of the surface upwards. The joints shall be as close as possible and the work shall be truly vertical and flush. The tiles shall be fixed flush with the plaster or projected as specified by the Engineer.

The junction of the plaster and the skirting or dado shall be neatly finished. The joints shall be filled with ordinary cement unless otherwise specified. After the tile has set, hand polishing with carborundum stones shall be done so that the surface attains a glossy finish. Corners and junctions be finished true.

#### **Mode of Measurement**

Skirting, dado or risers shall be measured in sqm or part thereof. The rate shall include providing tiles including wastage, laying as per specifications, filling joints, curing, rubbing and polishing etc. all complete.

### **5.00 MISCELLANEOUS WORKS**

**5.01 Dismantling brick masonry walls and partitions**, plastered or unplastered as per instructions including finishing the broken surface to match with the surrounding, removing the debris as directed within site. cutting the reinforcements if any etc. complete as directed. The work shall be measured in cum.

**5.02 Dismantling the RCC beams, slabs, lintels, columns, pardi walls, platform etc.** including finishing the broken surface to match with the surrounding, removing the debris within site, including cutting the reinforcement if any etc. complete as directed. This shall be measured in cum.



## **GENERAL & IMPORTANT NOTES**

### **1 GENERAL NOTES:**

- (i) Unless otherwise specified in these tender documents mode of measurements specifications etc. shall be as per relevant IS codes.
- (ii) Source of materials / samples / brands / makes etc. shall be got approved from the Architects / Bank before using. In case of deviations, decision of the Bank shall be final and binding and shall not be open for arbitration.
- (iii) The Architects have their specific role / duties / rights as defined in these tender documents However in the event of any dispute arising out of differences between the opinions of the Architects and also their role/duties/rights, the Banks' decision shall be final & binding on the Architects and the Contractor and shall not be open to arbitration.
- (i) The Contractor will extend full co-operation, support and all required assistance to Architect / Bank for discharging their duties and responsibilities efficiently and effectively.
- (ii) The contractor has to supply and adhere to the specific makes and specifications of all the items, which are mentioned in the separate list of approved makes. Any work found not as per the tender specifications and list of approved the contractor has to replace the same without any delay. The contractor is instructed of get approval of all the materials to be used on this site before starting the work. He should provide different sample of material for approval, before execution of work.
- (iii) All quantities indicated in the tender are approximate & are likely to change. The contractor must take actual measurement at site and billing shall be done as per the actual measurement of the work done at site.
- (vii) Work has to be got executed at site in coordination with various agencies working at site.
- (viii) The contractor is instructed to get the approval of the materials to be used on this site before starting the work. He shall provide different sample of materials for approval before execution of the work
- (i) All material have to be used in full size/length only. Joints should be avoided as far as possible.
- (ii) Any item mentioned in the BOQ with "TO THE SHAPE" will have measurement of onsite executed to the shape area only.
- (iii) Making various levels & line out for total layout on site for the items in scope of the work shall be done by the contractor
- (xv) MTC (Manufacturer Test certificate) Where ever applicable shall be arranged & submitted by the contractor. Testing of wood for moisture, knot % etc. shall be carried out by the contractor at his own cost.

### **2 IMPORTANT NOTES:**

- (i) **The contractor's qualified & authorized representative shall remain on site during the entire execution process for coordination with various agencies / Architect / Bank & execution of work.**
- (ii) **The site shall be cleaned on day to day basis & all debris shall be disposed away at the location beyond the limit as approved by the local authority.**
- (iii) **Hidden measurement. It is contractor's responsibility to get the measurement checked immediately on completion of such items. This shall be done before finishing the same The Architect shall be provided with such details well in advance so that the other work is not held up due to last moment action.**
- (iv) **Before starting the contractor shall mark out the plan & levels of the false ceiling, partitions**



etc. in coordination with other agencies on site.

- (v) The rates quoted shall be inclusive of all taxes, Duties, Octroi, Transportation, Delivery, Installation, Testing, Commissioning etc. complete at the site. No extra will be paid for any kind of taxes. However the GST will be paid extra as the works contract.
- (vi) The entire job shall be executed in total coordination with the other agencies working on this project & also with landlord, bank etc.
- (vii) Architect of the project shall be kept informed about the progress of the work at various stages
- (viii) The contractor shall arrange on his own for lighting & plug point with socket & electrical wiring, DB's etc. required during entire execution process. However supply at point shall be provided by the bank / landlord
- (viv) The contractor shall prepare all loose furniture items at his workshop only & deliver the same to the site at appropriate time as instructed by the architect
- (vi) Any Hidden item MUST be photographed and need to be sent via social media or CD to Architect / Bank

(xvii) The work to be executed in working premises. It is in the scope of this work for make-shift arrangement during entire project.

- (xvi) Billing Process:  
Along with final bill the contractor MUST submit:

- Abstract in tender BOQ format only
- Schedules for detailed measurement sheet for all items (in detailed break up)
- ~~separate as built drawings (Min. A3 size) marking exact locations & putting exact measurements of all — works executed on site—~~
- Original insurance policies as per tender terms
- Completion certificate
- Inspection & completion certificates for all types of false ceiling
- Test report for Toughen glass
- copy of LOA etc.
- All documents shall carry contractor's signature & seal with address. - All documents shall be submitted in 1 plus 1 copies.
- The contractor shall also provide all measurement sheet in soft copy (in Excel format)
- The contractor shall submit the purchase bill copy of major items used in the project

IMPORTANT: NO ANY EXTRA WORK / DEVIATION ITEM HAS TO EXECUTE BY THE CONTRACTOR PRIOR TO APPROVAL FROM THE COMPETENT AUTHORITY.

ALL DOCUMENTS SHALL BE SUBMITTED AT ONCE (NOT IN PIECE MILL MANNER) ALONG WITH FINAL BILL & SHALL BE DULY SIGNED BY PUTTING COMPANY'S ADDRESS SEAL



## SPECIFICATIONS (MAKES/MODELS)

### LIST OF APPROVED BRAND AND /OR MANUFACTURE FOR INTERIOR CIVIL WORK

Sr.No.	Particulars and Specifications	Approved Make/ model
1(a)	Sanitary Fittings	Cera/Parryware/Hindware/Nirali
	EWC	Cera Make Catalogue No M. Cera 2008[Conventional]/ Hindware Cat- No. 20011 (SLICK) /Parryware Make Catalogue No C0278 Elite P/S Trap/
	Wash Basin 550 x 400mm	Cera Make Cat. No M Cera 1008 (Cornet) /Hindware Cat- No. 1007 (SOLA) /Parryware Make Cat. No C0406 [Oxford]
	Urinal Size 635x395x420mm	Cera Make Cat. No 5005/Hindware /Parryware Make
(b)	Plumbing Fixture	Jaquar/hindware/Parryware
	Bib Cock	Jaquar make Cat No Con-037KN/ Hindware make Cat No F10001 (CONTESSA) /Parryware make Cat No G3004A1 or Equivalent Make
	Pillar Cock	Jaquar make Cat No Con-021KN/ Hindware make Cat No F10002 (CONTESSA)/ Parryware make Cat No G1803A1 or Equivalent Make
	Wall Mounted Sink Cock	Jaquar make Cat No Con-0357KN/ Hindware make Cat No F100024 (CONTESSA) / Parryware make Cat No G3021A1 or Equivalent Make
	Stop Cock Concealed type	Jaquar make Cat No Con-083KN /Hindware make Cat No F10008 (CONTESSA) /Parry ware make Cat No G3011A1 or Equivalent Make
	Angle Cock	Jaquar make Cat No Con-053KN/ Hindware make Cat No F10005 (CONTESSA) / Parryware make Cat No G3007A1 or Equivalent Make
	25mm Dia Flush Cock (Control Valve)	Jaquar make Cat No Con-1081KN / Hindware make /Parryware make Cat No T3306A1 or Equivalent Make



	Bottle Trap	Jaquar make Cat No ALD 769 [Allied] / Hindware make Cat No F850003 (ADDONS) / Parryware make Cat No T3202A1 or Equivalent Make
	32mm dia CP Waste Cuupling	Jaquar make Cat No ALD 709/ ALD 705L130 [Allied] / Hindware make Cat No F850002 (ADDONS)/ Parryware make Cat No T9910A1 or Equivalent Make
[c]	GI Pipes	TATA [Medium]/ Asian/Jindal
[d]	GI Fiting	'R' Brand, DRP
[e]	Sluice Valve/C.I Valves	Zoloto/Indian Valve Co. Mumbai Leader/Kriloskar
[f]	P.V.C Pipes & Fitting	Finolex/Supreme/Prince
<b>2.</b>	<b>Synthetic enamel, Distemper, plastic emulsion</b>	<b>Asian paints / Berger / Nerolac</b>
3.	Wall Putty	Birla White / J. K. White
4.	Glazing	Aasahi, TATA, Modi Guard or Saint-Gobain
5.	Commercial Ply (IS-303) / Waterproof ply (IS-710) / Block board (IS-1659) / Flush door (IS-2202)	Century/ Green Lam/ ARCHID / Anchor / Mayur
6.	Laminate confirming to IS:2045-1995	<b>sun mica/ GREENLAM /century</b> /Formica
7.	Glass	Modi float / Saint Gobain
8.	Hardware	Efficient gadget / Earl Behari (EBCO) Hardwin / Etalica
9.	Flush door confirming to IS 2202 part I - 1991	Green ply/true wood/Kit ply
10.	GI support system for false ceiling	Rondo/Indian gypsum/Boral
11.	Plaster boards	Rondo/Indian gypsum/Boral
12.	Screws	GKW nettle fold or approved equivalent
13.	Adhesives	Fevicol / Bluecoat/Movicol/ Araldite
14.	Floor spring / Door closure	EBCO / Everite/ Hardwyn/Dorma/Everite
15.	Vitrified tiles flooring	Asian/Johnson/Nitco/ Bell/Somani
16.	Ceramic tiles	Asian/Johnson/Nitco/ Bell/Somani



17.	Venation blinds	Vista/ MAC
18.	False ceiling	Armstrong/ Daikin
19.	Hinges	Clip on hinge of nickel chrome plated finish of ebco make
20.	Handles	Brass/Gold finish of Dorset/Godrej
21.	Water proofing compound	Fosroc, CICO, ACCO proof, Impermo
22.	Hardware Fittings	E.G. Bulush, Earl Bihari
23.	Cement	Ambuja/ Ultratech/ ACC/ equiv
24.	Sand	Clean Sand
25.	Anti-Termite Treatment	Chlorpyriphos 20 EC of Pest Control (I) Ltd
26.	Aluminum section	Jindal / Hindalco/ Jindal /
27.	ACP panel	Timex / Alu decor / Euro/ Flexi Bond/ Euro Bond/ Alubond
28.	<b>Synthetic enamel , distemper, plastic Paint</b>	<b>Asian paints / Berger / Nerolac</b>

**Note:**

[a] Where other Material are proposed to be used these should be got Approved from the Architect before execution of particular item. In case of Non- Availability of any material of specified make, the Alternative equivalent make should be used only after it is Approved in writing by the Employer or the Architect. The Material shall be used in preferential Order only

[b] Before starting of work contractor must get all samples/make approved from Architect before using at site

[c] Consultants reserve the right to add or delete name of any manufacture as and when required.

[d] Consultants reserve rights to select any of the specified brands mentioned above

[e] Vendor should not execute any extra item/deviation quantity till permission from the Bank's Authority.

**BILLS OF QUANTITIES ( Not to be Filled by the Bidder)**

Sr. No.	Description	Quantity	Unit
<b>[A]</b>	<b>FLOORING &amp; MISC WORK</b>		
1	<b>P/F VITRIFIED TILES FLOORING</b> Providing & fixing 600 x 600 Double Charge Lapis Vitrified tiles flooring and skirting of approved make and shade for flooring and skirting as per design. in CM 1:4 over a cement mortar bedding, .Levelling the existing underneath CM bedding & providing cement slurry including light compaction as directed. The rate includes filling the joints of tiles using adhesive & pigments. The rate includes curing acid cleaning, cutting etc. complete. <b>or Tiles shall be laid on existing flooring and necessary adhesive of like NITOLITE -GP of FOSROC make shall be used as directed</b> (Skirting shall be measured in Smt). Rate shall be same for all levels. <b>Basic price of Tiles shall be Rs. 400=00 per Sq. Mt (Excluding GST)</b> . etc. complete as directed. <b>The rates include removal of existing Flooring up to bedding mortar . Its disposal .No additional sand bedding charges shall be paid for Electric trenches filling</b>	57	SMT
2	<b>P/F GRANITE DOOR SILL AND TREAD &amp; RISERS</b> Providing and fixing selected black jet granite, mirror polish, 18mm to 19 mm thick with machine cut edges, in required length and width as per architects detail for Door sill and Tread & Risers etc.with Required cement mortar paste. providing mirror polish round moulded edges in tread ,filling joints with balck colour pigment mixed in white cement, for measurment shall be Sqmt and paid in square meter only.	2	SMT
3	<b>P/C BRICK WALLS</b> Providing and constructing brick masonry in CM 1:6 ( 1 cement & 6 coarse sand ) with approved first class bricks having minimum crushing strength of 35 kg/sq.cm including scaffolding, racking out the joints, curing etc. Complete as directed by Engineer - in charge. For foundation at all levels below plinth and above plinth level.	6	CMT
4	<b>P/C 115 MM THICK BRICK PARTITION WALLS</b> Providing and constructing 115 mm thick brick masonry in partition walls with approved good quality bricks for super structure in CM 1:4 ( 1 cement : 4 coarse sand ) including scaffolding, racking out joints, reinforcement of 2 nos. 8 mm dia MS bars at every fouth leayer , curing ,cleaning etc. complete as directed at all heights as follows. (Rate includes the cost of MS bars or Iron hoop)	9	SMT
5	<b>P/A 15 MM THICK CEMENT PLASTER ON OLD WALL AND CEILING</b> Providing and applying 15 mm thick finish cement plaster at all heights above and below plinth in 1:4 cement sand mortar to the walls, beams, ceiling, stair, column, pardis, bends, moulds, pattias, grooves including scaffolding, curing & finishing smooth, cleaning. The plaster surface shall be rubbed with 'Iron plate". till the surfae shows cement paste in line and level complete as directed.Rates also incldes Providing chicken mesh jali at junction of Bk wall and R.C.C column/ Beam. <b>Including Dismantalling existing plaster.cleaning the site and carting away debris at all levels. also Rates includes removing switch board plates and refixing same after plastering. Its disposal</b>	60	SMT



Sr. No.	Description	Quantity	Unit
5[a]	<b>P/A 12MM THICK FINISH CEMENT PLASTER ON NEW WALL AND CEILING</b> Providing and applying 12mm thick finish cement plaster at all heights above and below plinth in 1:4 cement mortar to the walls, beams, ceiling, stair, column, pattias, grooves including scaffolding, curing & finishing smooth, cleaning. The plaster surface shall be rubbed with 'Iron plate'. till the surfae shows cement paste in line and level complete as directed. <b>Plaster on New walls and ceiling</b>	40	SMT
6	<b>P/A 19MM THICK SAND FACED CEMENT PLASTER</b> Providing and applying 19 mm thick sand faced cement plaster in two coats at all heights with first coat of 12 mm with cement mortar 1:4 (1 part cement : 4 parts of sand) and second coat of 7 mm with cement mortar 1:3 , rough finish with using sponge/ " Tipani ", on all types of concrete/brick surfaces making grooves,plastre pattas,projecting pattas as per detail, including scaffolding, curing, cleaning etc. complete as directed. <b>Including Dismantalling existing plaster.cleaning the site and carting away debris at all levels. Its disposal</b>	225	SMT
7	<b>P/A POLYMER MORTAR PLASTER</b> Removing the loose plaster & concrete damages surfaces, cleaning the concrete surface with wire brush and reinforcement with rust remover, welding new reinforcement with Existing reinforcement if required applying epoxy resin to concrete & reinforcement surface of approved Brand and covering the surface with average 35 mm th. Polymer mortar <b>of aooroved make before applying polymers mortar Nitobond chemical should be apply on old surfaces for proper bonding.The Item</b> including scaffolding for repairing RCC slab, beam complete as directed <b>(Rate including cleaning the site and carting away debris at all levels).</b> New reinforcement if required shall be paid as per Item No 7[a]	36	SMT
7[a]	Providing and fixing MS reinforcement bars wherewere required in place of damaged reinforcement bars in RCC slab reinforement bars shall be welded with existing reinforcement bars as per instructions complete at all levels..	50	KG
8	<b>MS GRILL IN WINDOWS AND OTS COVERED</b> <b>Supplying Providing &amp; Fixing M.S grill as per following description ,using 37 x 62 mm Hollow section for vertical and horizontal section with providing 20 mm dia M.S bars at 4" spacing in between properly weld to steel section complate as directed including painting of synthetic enamel paint over a coat of primer etc. complete as directed.</b>	200	KG
<b>[B]</b>	<b>PAINTING WORK</b>		
1	<b>P/A ACRYLIC EMULSION PAINT (PLASTIC PAINT)</b> Providing and applying (with rollers only) Acrylic emulsion paint of required shed and approved make on new/old work in two or more coats to give an even shed including the preparation of surface for painting, applying primer and putty, at all heights including scaffolding, cleaning etc. complete as per manufacturer's specification and as directed.	400	SMT
2	<b>P/A DISTEMPER PAINT</b> Providing and applying distemper paint water base of approved make & shade on old work including scrapping/cleaning and preparation of surface for painting, applying cement based primer & putty of approved make. Applying distemper paint in two or more coats to give uniform covering, all heights including scaffolding etc. complete as directed by Engineer.	520	SMT

Sr. No.	Description	Quantity	Unit
3	<b>P/A SYNTHETIC ENAMEL PAINT</b> Providing and applying synthetic enamel paint, at all heights including scaffolding etc. complete of required shade and approved make on old work including the scrapping/cleaning and preparation of surfaces for painting, applying primer and putty, with two or more coats of approved first quality enamel.	150	SMT
4	<b>P/A TEXTURE PAINT</b> Providing and applying Texture paint of Heritage/Berger brand on internal walls. Rate includes surfaces preparation, applying necessary coats of paint to obtain Uniform and even finish. Rate also includes applying paint of approved shed etc. complete.	7	SMT
5	<b>P/A APEX PAINT</b> Providing and applying Apex Ultima (Asian Paint Advanced Anti Algal weather proof emulsion) on New/Old surface at all heights and levels. including scaffolding etc. complete. Work including preparation of surface cleaning and scraping by wire brush. Applying primer coat as per company specifications and apply 2 or more coats of paint to give uniform shed at all levels complete.	665	SMT
6	<b>P/A WHITE WASH in Basement wall and Ceiling</b> Providing and applying white washing with lime on old work, at all ht. with three or more coats to give an even shade to walls, ceiling, AC sheet etc., including adding of glue of pidilite Co., or equivalent, Indigo (blue) make (last two coats shall be).	200	SMT
<b>[C] MISCELLANEOUS WORK</b>			
1	Changing of broken glass in existing steel windows panel & louvers by 4mm thick glass matching with existing glass fixing same with TW beading etc. complete. Including Removing broken glasses	10	SMT
2	Labour charges for dismantling work verycarefully, including stacking debris and reusable material as directed including carting away debris at all levels.		
[a]	Dismantling Brick partition wall with or without plaster	2	SMT
[b]	Dismantling Brick wall / stone wall with or without plaster 9" thick/14" thick	5	CMT
[c]	Dismantling verycarefully the RCC slab/beam/ lintel etc with or without plaster	2	CMT
[d]	Removing of existing door/window/ventilators	10	NO
[e]	Removing Trees /Plants growing on the wall including removing roots etc. complete as directed	1	JOB
<b>[D] WATER PROOFING ON TERRACE</b>			
1	<b>CHINA MOSAIC ON TERRACE</b>	187	SMT
[a]	Removal of existing PKS/IPS / stone/Cement mortar up to top of Brick bats including disposal of debris etc		
[b]	Applying water proofing treatment as given below i) Applying 1:1 hydroproof(1 hydroproof:1 water) by brush application ii) After 6-10 hours apply another quot of hydroproof in ratio 1:2:4 ( 1 hydroproof, 2 Kg cement,4 liter water) iii) After 6-8 hours of above procedure apply another quot of hydroproof as per item no (ii)		

Sr. No.	Description	Quantity	Unit
[c]	Finishing top surface with China mozaic using broken pieces of glazed tiles & cement water proofing coumpound [Conplast 421 IC] slurry, joint shall be filled with white cement and clean properly etc. complete including finishing.		
[d]	Providing and applying rounded fillets at the corners of slab and walls, slab and columns and all junctions		
[e]	Rate also including Providing and laying plain cement concrete vatta (PCC) 1:2:4 (1 Cement:2 Coarse Sand: 4 Stone aggregate 20 mm nominal size) . including rounding of junctions up to 15 cms along the wall and curing etc. using cement concrete 1:2:4 admixed with water proof compound Conplast X421 IC of Fosroc or equilant company, curing etc. complete as directed.		
	Only finished surface area shall be measured including vatta for payment		
[f]	<b>Work shall be carried out through approved specialised agency and furnishing of gaurantee for 10 year. on suitable value stamp paper.</b>		
2	Removing existing cement plaster from parapet walls and laying new 18 mm thick cement plaster in 1:4 proportion admixed with water proof compound Conplast X421 IC of Fosroc or equilant incl. curing complete as directed. <b>Including Dismantalling existing plaster.cleaning the site and carting away debris at all levels.</b>	105	SMT
3	Providing & fixing PVC pipe for rain water disposal including fixing with MS clamps as per details and as directed. This also includes fixing of shoe bend all type of elbow etc complete. The item shall be measured in RM and nothing extra shall be paid for the fittings. Pipes shall be Finilex / Prince / Supreme make at all levels. All filling the joints with approved adhesive including cutting of wall floor and making good after the work is cover etc.		
[a]	For 100 mm dia 6 Kg/Cm2	25	RMT
[b]	For 75 mm dia 6kg/Cm2	7	RMT
<b>[E]</b>	<b>TOILET RENOVATION ON GROUND FLOOR AND FIRST FLOOR</b>		
1	Providing and laying cinder concrete 1:8 Proportion in toilet block, drop slabs including compacting etc. complete at all levels. For First Floor	3	CMT
1[a]	Filling of sunk slab portion of toiles with removed usable material in toilet block, drop slabs including compacting etc. complete at all levels. For Ground Floor	4	CMT
1[b]	P/L PCC 1:4:8 FOR GROUND FLOOR TOILET FLOOR ETC. Providing and laying 100 mm thick plain cement concrete Floor (PCC) 1:3:6 (1 Cement:3 Coarse Sand: 6 Stone aggregate 20 mm nominal size) curing etc. using cement concrete 1:2:4 admixed with water proof compound Conplast X421 IC of Fosroc or equilant company, curing etc. complete as directed.	12	SMT
2	Water proofing in Toilet Sunk slab by following method. Providing chemical waterproofing on slab & wall after exposing & cleaning throughly with wire brush, water etc. filling the cracks, applying 1:1:5:3 (cement sand grit) with waterproof compound & then after 24 hours Three coats of HYDROPROOF (FOSROC or equivalent) shall be applied as per manufacturer's specifications and tested with 72 hours pond testing.	15	SMT

Sr. No.	Description	Quantity	Unit
3	<b>P/L ANTISKID TILES FLOORING IN TOILET</b> Providing & fixing 300 x 300 mm coloured antiskid Tiles Flooring of <b>approved make</b> first quality antiskid tiles for flooring as per design, Laying Tiles in CM in 1:4 over cement mortar bedding laid to proper slope, line & level as specified. The rate includes curing acid cleaning, cutting etc. complete. Rate shall be same for all levels ( <b>Toilet</b> ). <b>Rate includes dismantling of existing tiles and disposal complete as directed. (Basic price of tiles shall be Rs.380=00 Per Sqmt Excluding GST)</b>	21	SMT
3[a]	<b>P/F CERAMIC TILES DEDO ON WALL</b> Providing & laying wall dado of 5 to 6 mm thick coloured Glazed tiles(Mat Finish) of 300 x 450 of approved make first quality fixed cover 13mm thick plaster in CM 1:3, including providing groove upto 3mm wide if directed to do so and using grey cement in pointing of joints and applying neat cement paste about 3 Kg/Sq.m. The rate shall be inclusive of centre point fittings i.e. extra labour, material etc. to be considered so as to get outlet of plumbing/sanitary fittings at the junction. Rate shall be same for all levels. Sample of the tiles must be got approved from Architect/Bank. <b>Rate all so includes backing coat of rough cement plaster. Rate includes dismantling of existing tiles and disposal complete as directed. (Basic price of tiles shall be Rs.350=00 Per Smt Excluding GST)</b>	61	SMT
4	<b>P/F GRANITE FOR PANTRY PLATFORM</b> Providing and fixing selected black jet granite, mirror polish, 18 mm to 20 mm thick with machine cut edges, in required length and width as per architects detail on 37 mm to 40 mm thick average cement mortar bedding (1:1) on platforms, (Kota stone shall be paid as per Item No. 4.04) etc. including cutting holes etc. for sink including providing & fixing borders, fascia 100 mm ht at platform with machine cut & mirror polish edges filling joints with black colour pigment mixed in white cement, using araldite for borders & Facias will be paid in square Meter only. at all levels.	2	SMT
4[a]	<b>P/F PK STONE FOR PANTRY PLATFORM</b> Providing and laying single piece one side polished green kotah stone with machine cut edges for kitchen platform verticals & horizontal support. Rate includes hand and wax polishing etc. complete as directed. Size of stone shall be approx. 600x1200mm, 600x750mm, 600x950mm, 500x600mm and thickness 20 to 30 mm.	3	SMT
4[b]	<b>P/F S.S SINK</b> Providing and fixing stainless steel sink of Nirali make or approved equivalent make Standard range of overall size 21" x 18" (Bowi size 18"x15" x 8" depth in to in) including all necessary fittings such as CI brackets, overflow, rubber plugs, Cp brass chain, PVC connection and PVC waste pipe applying two coats of aluminium paint to the brackets etc. complete as directed.	1	NO
<b>5</b>	<b>MISCELLANEOUS WORK</b>  labour charges for dismantling work including stacking debris and reusable material as directed including carting away debris at all levels.		
[a]	Dismantling of toilet accessories like Urinal, Wash basin, W.C pan, EWC, NT, Flush Cock, Bib Cock, Stop cock, GI/CI pipe, Pvc Pipe line of any dia. Etc. <b>[ at Ground &amp; First Floor Toilet]</b>	1	LOT
[b]	Dismantling of sankan portion of toilet floor which include BBCC, PCC, Filling, Water Proofing up to slab top complete as directed.	21	SMT

Sr. No.	Description	Quantity	Unit
6	Providing and fixing concealed SCH-80 UPVC water supply line ISI approved mark, including all necessary specials, making zaries, making holes, cutting floors and making good after work is complete etc. complete as directed for. <b>Pipe shall be Astral/Supreme make. at all levels</b>		
[I]	- Do - for 15 mm dia line.	65	RMT
[II]	- Do - for 25 mm dia line.	50	RMT
7	<b>Providing fixing connecting and commissioning following fixtures of Jaquar make with chromium plated disce etc. complete for concealed pipe lines.as directed by Architect</b>  <b>Jaquar CP continental ISI Marked or equivalent make</b>		
[a]	Providing and fixing Bib Cock of Catlog No - 037	5	NO.
[b]	Providing and Fixing Wall Mounted Sink Cock of Catlog No - 347	1	NO.
[c]	Providing and fixing concealed stop cock of Catlog No -083	3	NO.
[d]	Providing and fixing angle cock of Catlog No -053	3	NO
[e]	Providing and fixing concealed stop cock of Catlog No -1081A [Control Valve]	1	NO
[f]	Providing and fixing 25 mm dia handle valve of approved Zoloto quality, for pipe lines etc complete as directed.	1	NO
[g]	Providing and Fixing brass chromium plated soap dish of approved make & quality etc. complete as directed. Sample shall be got approved from Bank/Architect.	3	NO
8	Providing and fixing first quality <b>Cera</b> or equivalent <b>snow white</b> glazed vitreous china W.C Orissa pan size <b>510 x 400 mm M Cera 2073 [Cello]</b> with 100 sand cast CI 'P' or 'S' trap of approved ISI mark in cement concrete 1:2:4. (1 Part cement, 2 part coarse sand, 4 part or stone aggregate) and <b>providing and fixing the 25mm dia flush cock</b> of Jaquar make Catlog No - 1081/A ( Continental Range) including cutting and making good the walls and floors etc.all.	2	NO
8[a]	Providing and fixing EWC first quality Hindustan , Nycer, Cera or equivalent type <b>snow white</b> glazed vitrous china, EWC M Cera 2008 [Conventional]of with heavy type white seat cover, lead with CP brass hinges, rubber buffers with fittings, brakcets, <b>providing and fixing the 25mm dia flush cock of Jaquar Catlog No - 1081A[Continental Range]</b> , 25 mm dia CP brass flush bend including cutting and making providing and fixing jet spray in EWC of approved ISI quality etc complete as directed. (Rate is including everything complete )	2	NO
9	Providing and fixing first quality <b>snow white</b> glazed wash basin of 550 mm x 400 mm size, M Cera 1008 [Cornet] approved shape as per detail of approved make and quality such <b>Cera</b> or equivalent with necessary specials, pillar cock angle valve, connecting PVCpipes with nuts and all fittings, 32 mm dia CP waste coupling and rubber plug heavy brackets with two coats of aluminium paint over brackets, and <b>32 mm dia CP brass havey type approved quality bottle trap</b> with necessary connection pipe wall flange etc. complete as directed <b>Rate Includes Following Fixture of Jaquar make (Continental Range)</b> Piller Cock Cat. No 021 [Continental Range] Angle Cock Cat. No 053 [Continental Range] Bottle Trap Cat. No 773 [Allied] Waste Coupling Cat. No 709 [Allied]	3	NO

Sr. No.	Description	Quantity	Unit
9[a]	Providing and fixing 1'-6"x2'-0" Mirror above wash basin 6 mm thick Mirror of approved make shall be fixed with 2" long S.S. Studs, 4 Nos. complete as directed.	3	NO
10	Providing and fixing Large flat back Coloured glazed first quality lipped urinal of Cera make cat no.5001 including Approved make chromum plated angular cock of Jaquar Cat. No- 053[Continental]chromium plated , connecting PVCpipes with nuts and all fittings, 32 mm dia CP waste coupling of Jaquar make cat. No- 709 [ALLIED] , CP brass spreader and CP pipe, 32 mm dia CP brass bottle Trap of Jaquar make Cat. No 773 [ALLIED]with necessary connecting pipe wall flange ,38 mm dia chromum plated waste coupling Approved make with required length of 32 mm dia concealed GI pipe upto the drain and bend, fixing clamps complete as directed.	2	NO
11	Providing & laying & fixing UPVC SWR drainage line concealed/open in the structure as per details and requirement with necessary specials such as Y-2, T-2, offset, plugs, bends and filling the joints with approved adhesive including cutting of wall floor and making good after the work is cover etc. all as above. Pipe <b>shall be Astral/Supreme make.</b> at all levels <b>Rate Includes M.S clams appoved design from Architect.</b>		
[a]	For 75 mm dia 6 Kg/Cm2	25	RMT
[b]	For 110 mm dia pipe 6 Kg/Cm2	25	RMT
[c]	For 150 m dia pipe 6 Kg/Cm2 in side under ground Rate Including Removing existing flooring,Excavation up to requird depth and refilling etc complete	20	RMT
[d]	Providing laying & fixing concealed 38 mm dia P.V.C waste water pipe line complete as directed.	5	RMT
[e]	P/C GULLY TRAP Providing and constructing 100mm dia. Stonewere gulley trap and chamber with CI cover, including excavation, foundation cocrete BBCC 1:5:10 230 mm wide masonry, in CM 1:6, plaster and back filling etc. complete as directed.	4	NO
[f]	P/C INSPECTION CHAMBERS Construction of 0.6 M x 0.45 M (inside demention) and 0.45 M Mini.depth Inspection chambers. The rate includes excavation, 150 mm thick BBCC 1:4:8 in foundation 230 mm wide brick masonry walls in CM 1:6, 12 mm thick plastering in inside and outside of chamber in CM 1:4, channels, IPS flooring, making drain channel, CI/MS rungs with paint, steps, CI cover 450 mm dia, weighing 40 kgs. with cover and 150 mm thick RCC 1:2:4 slab with standard reinforcement or M.S. heavy duty removable grill with frame etc. complete.	2	NO
13	Providing and fixing UPVC Nahni Trap of Astral or Supreme. Rate includes cutting of floor/wall, necessary outlet pipe with necessary adhesive. Upto downtake pipe, Fixing PVC Jali of approved make complete as directed.	5	NO
14	Providing and fixing 19 mm thick granite Door frame [jams] of size 6" and 3" wide with two members all edges shall be mirror polished as per design and instruction complete as directed. making drilling hole for fixing hinges and aldrop . Granite patta will be paid in square meter only.	8	SMT
15	Providing and fixing in position powder coated aluminiam frame size 63.50x38.10 x 1.28 mm thick with adjustable 100 mm wide and 4 mm thick glass louvers with mechanisim ventilators Sample of one ventilator with adjustable mechanisim shall be got approved from Consultant/Bank.	1	SMT

Sr. No.	Description	Quantity	Unit
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**[F] ROOF COVER ON OPEN TO SKY AT FIRST FLOOR**

1	<p>P/F/F GALVALUME COLOURED COATED SHEET ROOFING FOR COVERING OPEN TO SKY AT FIRST FLOOR AND PARKINGH SHADE</p> <p>Providing &amp; fixing <b>GALVALUME colour coated cold rolled sheets</b> made out of 0.5mm base metal thickness and Total Coated Thickness as 0.55mm, yield and tensile strength minimum 550 Mpa cold rolled sheet with hot dip metallic coating of aluminium zinc alloy 150 Gms/SqM, density minimum 4.8 Kg/SqM with minimum 20 microns super durable polyester paint or silicon modified polyester on top and 5 microns back-up epoxy coating at the bottom having 1020/1080mm cover width with 32 mm high crest at 220/250mm C/C in length as approved by the architect and with necessary suitable imported galvanised carbon steel 40micron zinc coated/minimum 20micron Zinc-Tin alloy coated Hexagonal head, self drilling &amp; self tapping screws of ITW Buildiex(R) AS 3566 Class 3/ HILTI/BOSCH having drilling capacity minimum 6-8mm and in required diameter and length fixed using torque drill machine all complete with EPDM sealing washers with sealant.</p> <p>Rate should include cost of plastic caps of approved colour of UV resistance and button bolts etc. for the fasteners.</p> <p>Rate to include also fixing in roofing, cladding and all accessories and utilities like ridge, corner piece, aprons, barge boards, gutters, flashings, end pieces, etc., all accessories etc. complete</p> <p>The rates shall include all materials, tool / tackles, labour, scaffolding including handling and storage of the materials, providing guarantee against perforation for 20 years etc complete as directed for all heights.</p> <p>Measurement shall be paid for the plain area of the sheet laid. Overlaps, wastages, corrugation etc are inclusive with the rates and shall not be paid for.</p> <p><b>Basic rate of Galvalume sheets shall be Rs. 475/SqM.</b></p>	34	SMT
2	<p><b>P/F/E MS STRUCTURE WORK FOR ROOF</b></p> <p>Providing, fabricating, erecting placing in position M.S. and structural work in roof trusses, columns, portal frames, plates, ms holding down bolts with nut, washer etc. including cutting, wastage welding (shop and site) bolting wherever necessary painting with one coat of red oxide paint and two finish coats of approved synthetic enamel paint in approved shade etc., complete as specified and as directed. All necessary nuts and bolts, washers for connecting the structural members shall be paid under this item.</p>	275	KG

**SUMMARY**

**[A] FLOORING & MISC WORK**

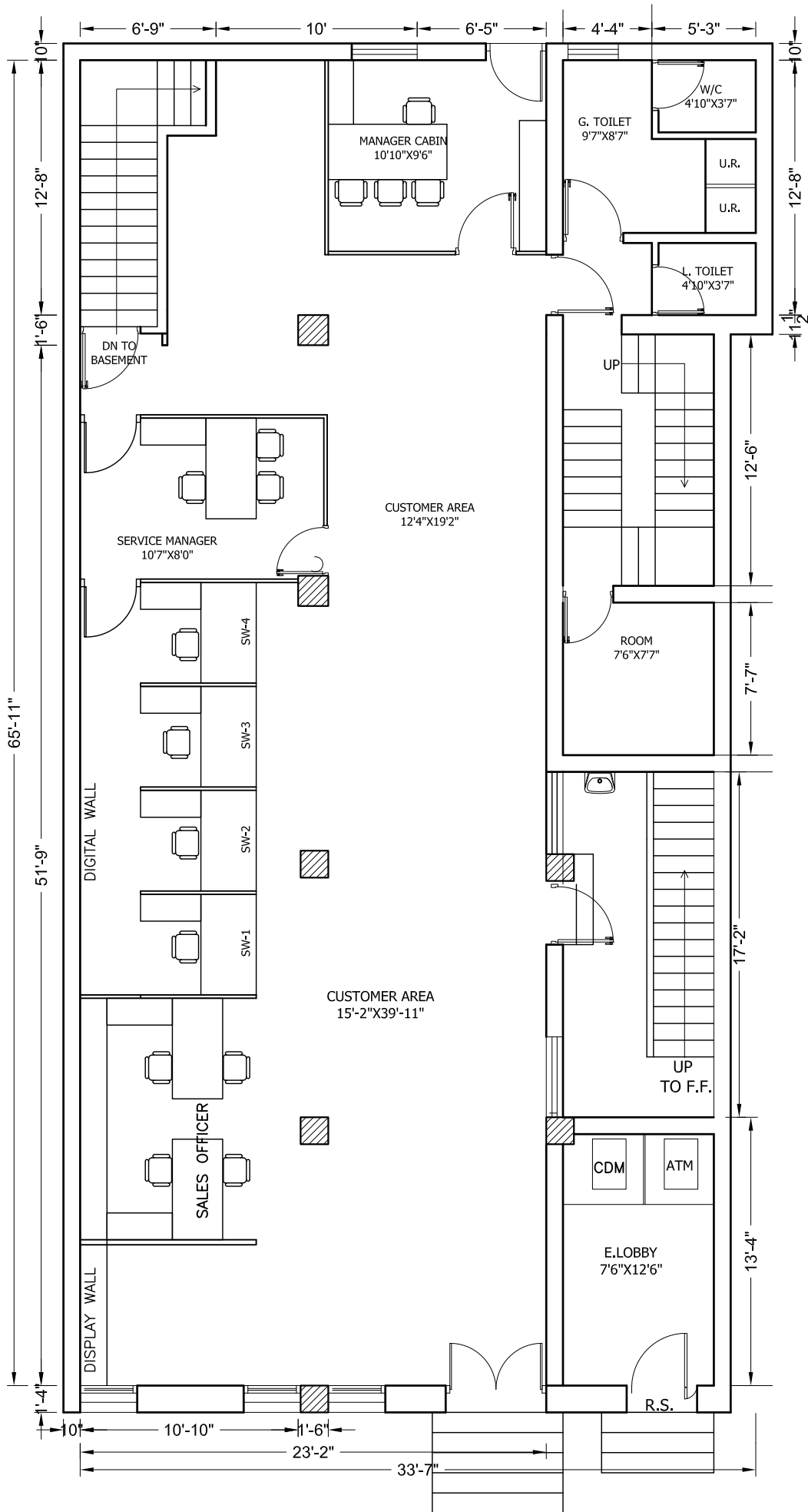
**[B] PAINTING WORK**

**[C] MISCELLANEOUS WORK**

**[D] WATER PROOFING ON TERRACE**

**[E] TOILET RENOVATION ON GROUND FLOOR AND FIRST FLOOR**

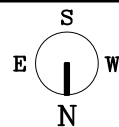
**[F] ROOF COVER ON OPEN TO SKY AT FIRST FLOOR**



ALT : 5 FINAL

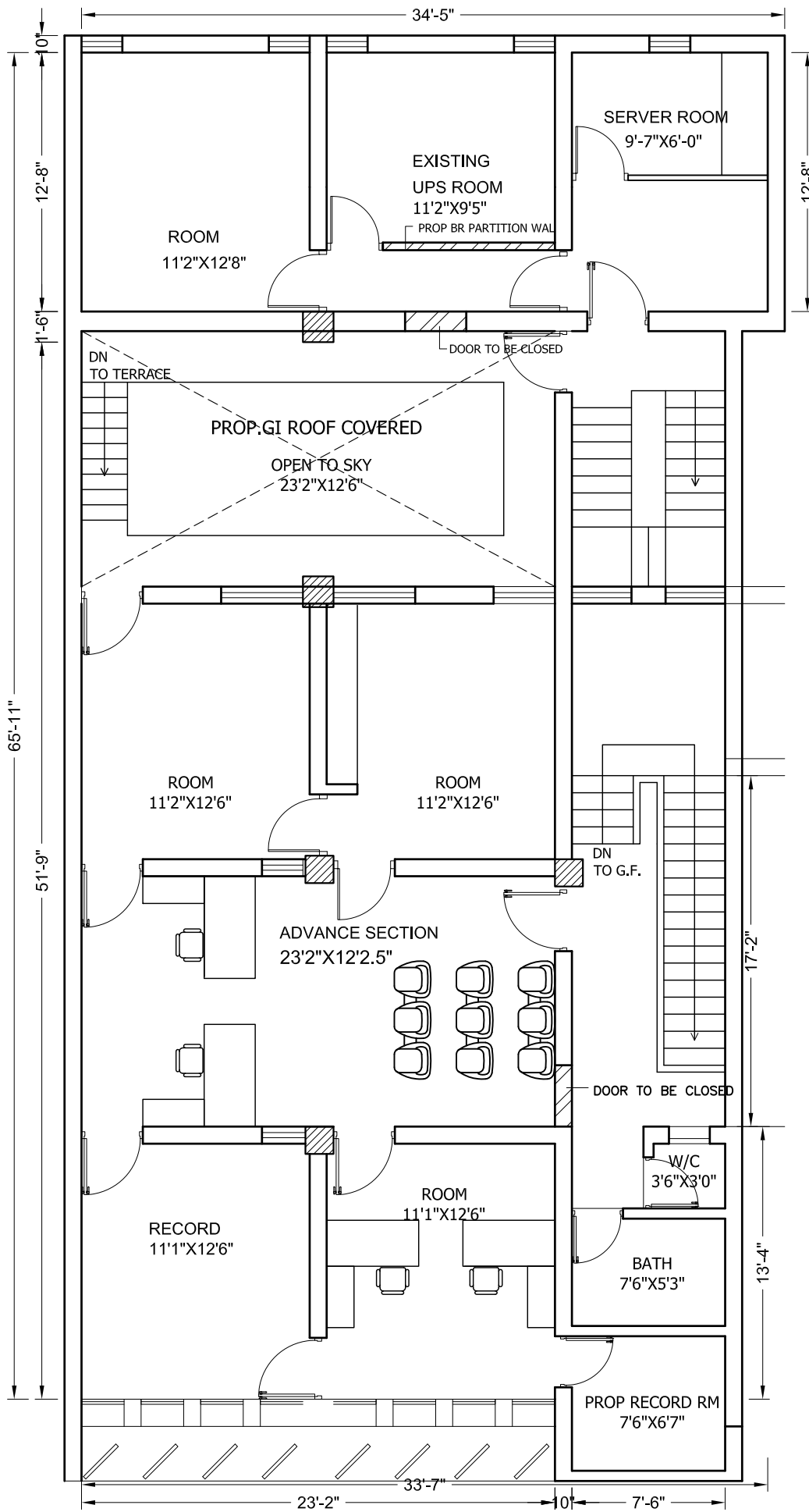
PROJECT  
**STATE BANK OF INDIA**  
 AT VANTHALI BRANCH

TITLE  
**GROUND FLOOR PLAN**  
 SCALE : 1":8'0"  
 DATE : 6-03-2019



ARCHITECTS :  
**VIJAY SAHIJWANI & ASSOCIATES**  
 55, SAHYADRI APPARTMENT,  
 NAVRANGPURA AHMEDABAD  
 PHONE : 26448937

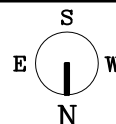




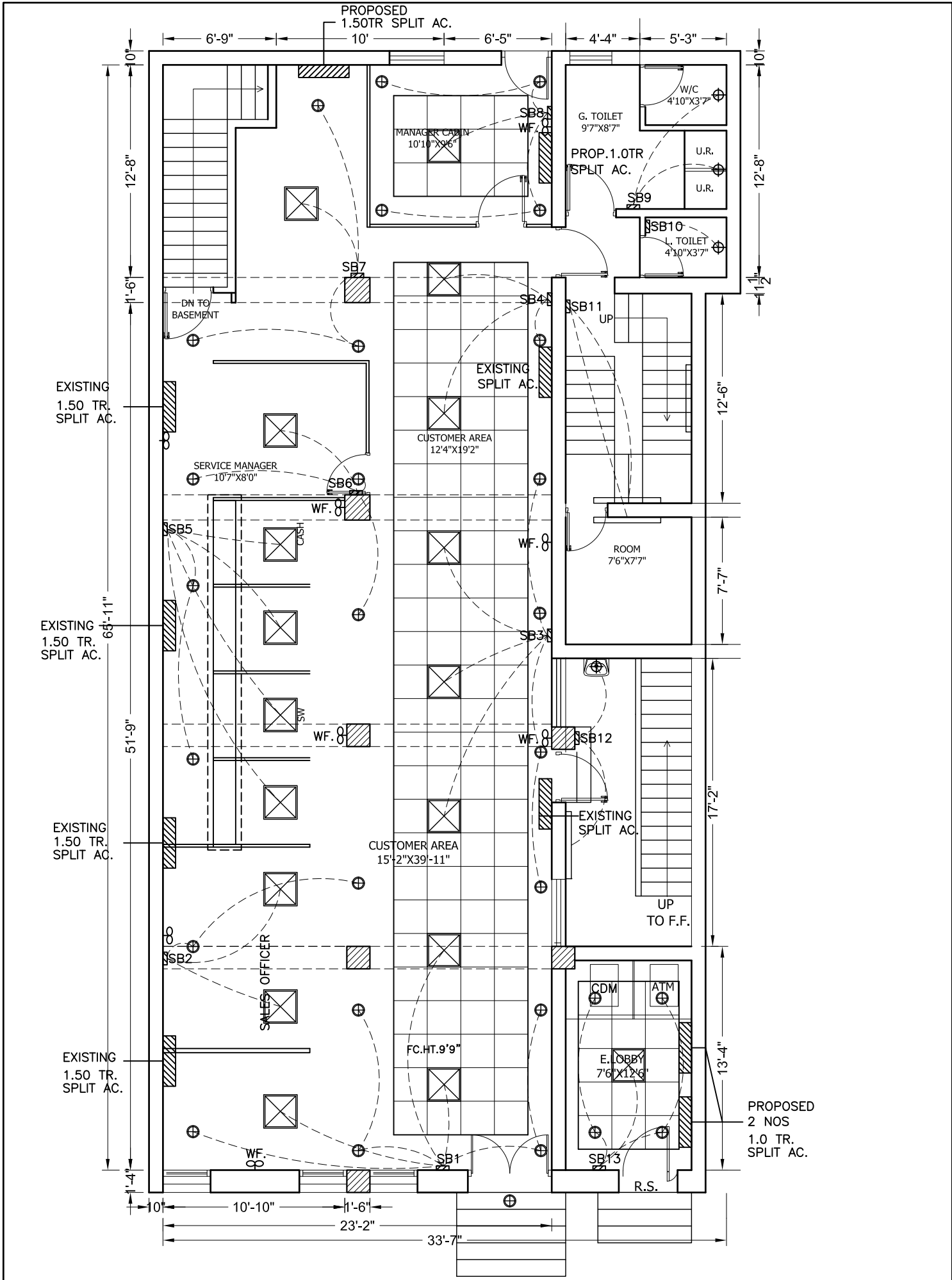
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PROJECT  
**STATE BANK OF INDIA**  
 AT VANTHALI BRANCH

TITLE  
**FIRST FLOOR PLAN**  
 SCALE : 1" : 8'0"  
 DATE : 28-01-2019



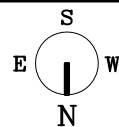
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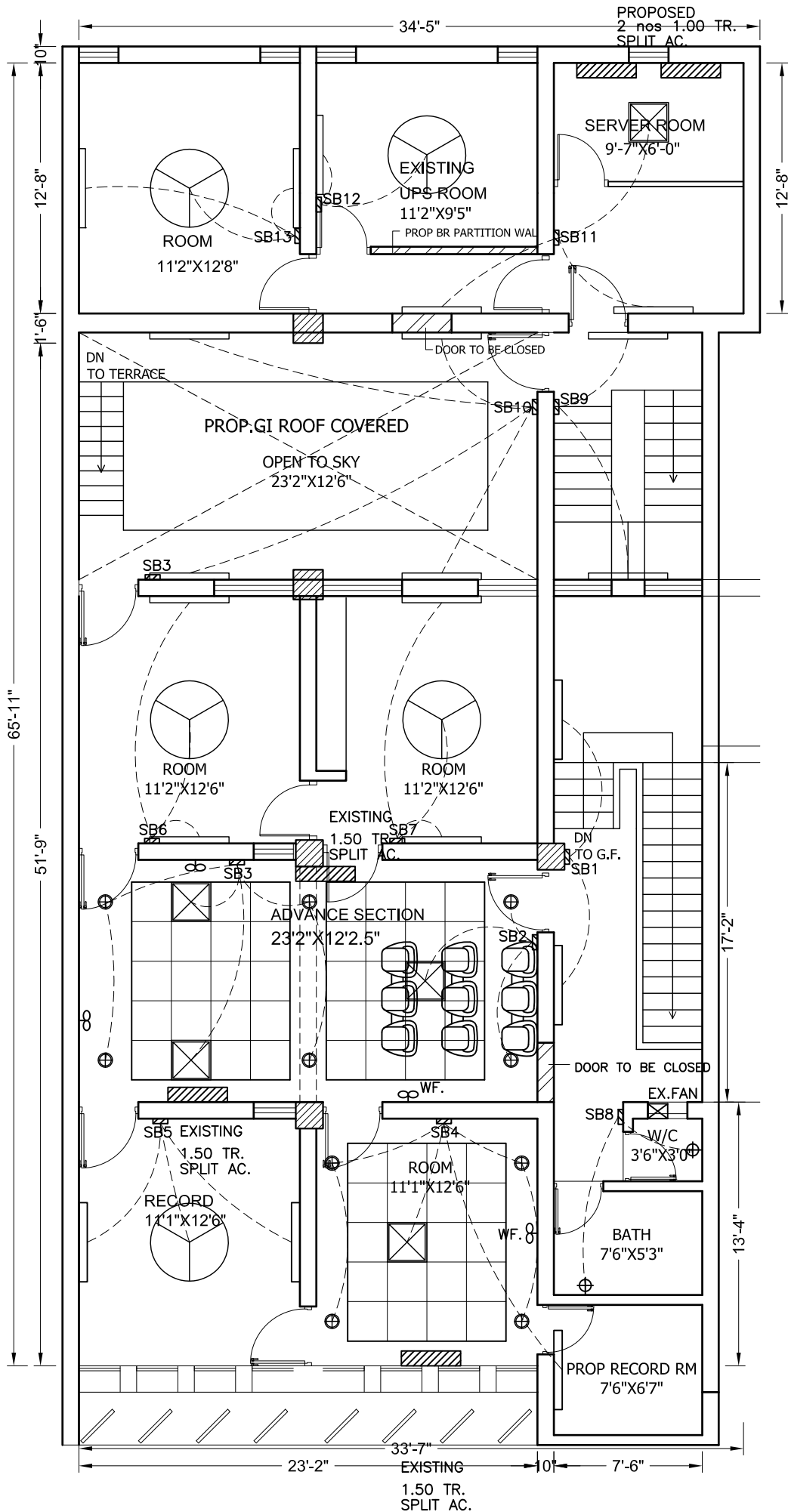
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PROJECT  
**STATE BANK OF INDIA**  
 AT VANTHALI BRANCH

TITLE  
**GROUND FLOOR PLAN**  
 SCALE : 1" : 8'0"  
 DATE : 6-03-2019



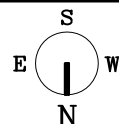
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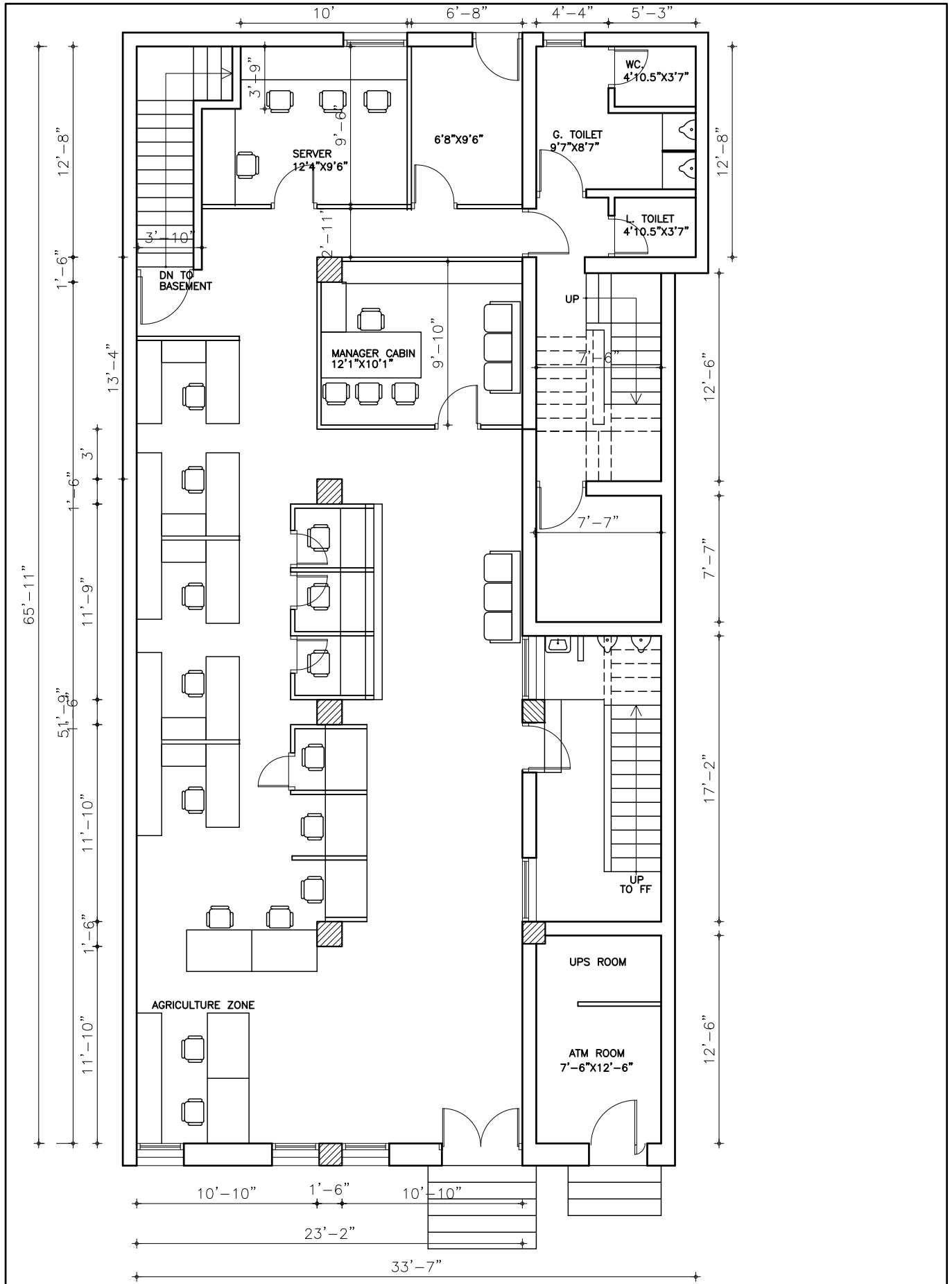
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PROJECT  
**STATE BANK OF INDIA**  
 AT VANTHALI BRANCH

TITLE  
**FIRST FLOOR PLAN**  
 SCALE : 1" : 8'0"  
 DATE : 28-01-2019



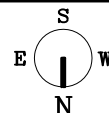
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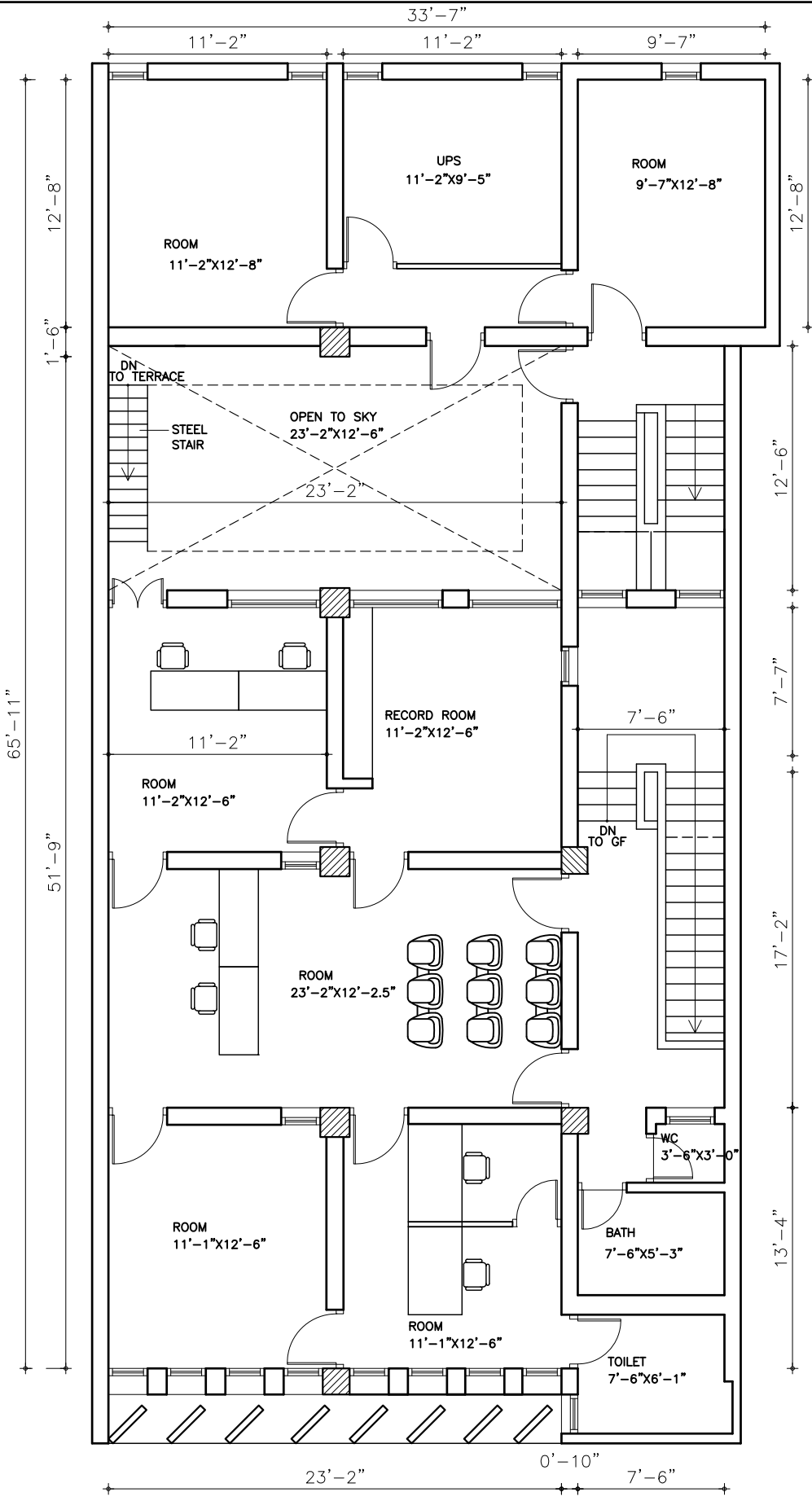
EXISTING

PROJECT  
STATE BANK OF INDIA  
AT VANTHALI BRANCH

TITLE  
GROUND FLOOR PLAN  
SCALE : 1":8'0"  
DATE 3-11-2011



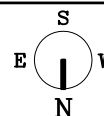
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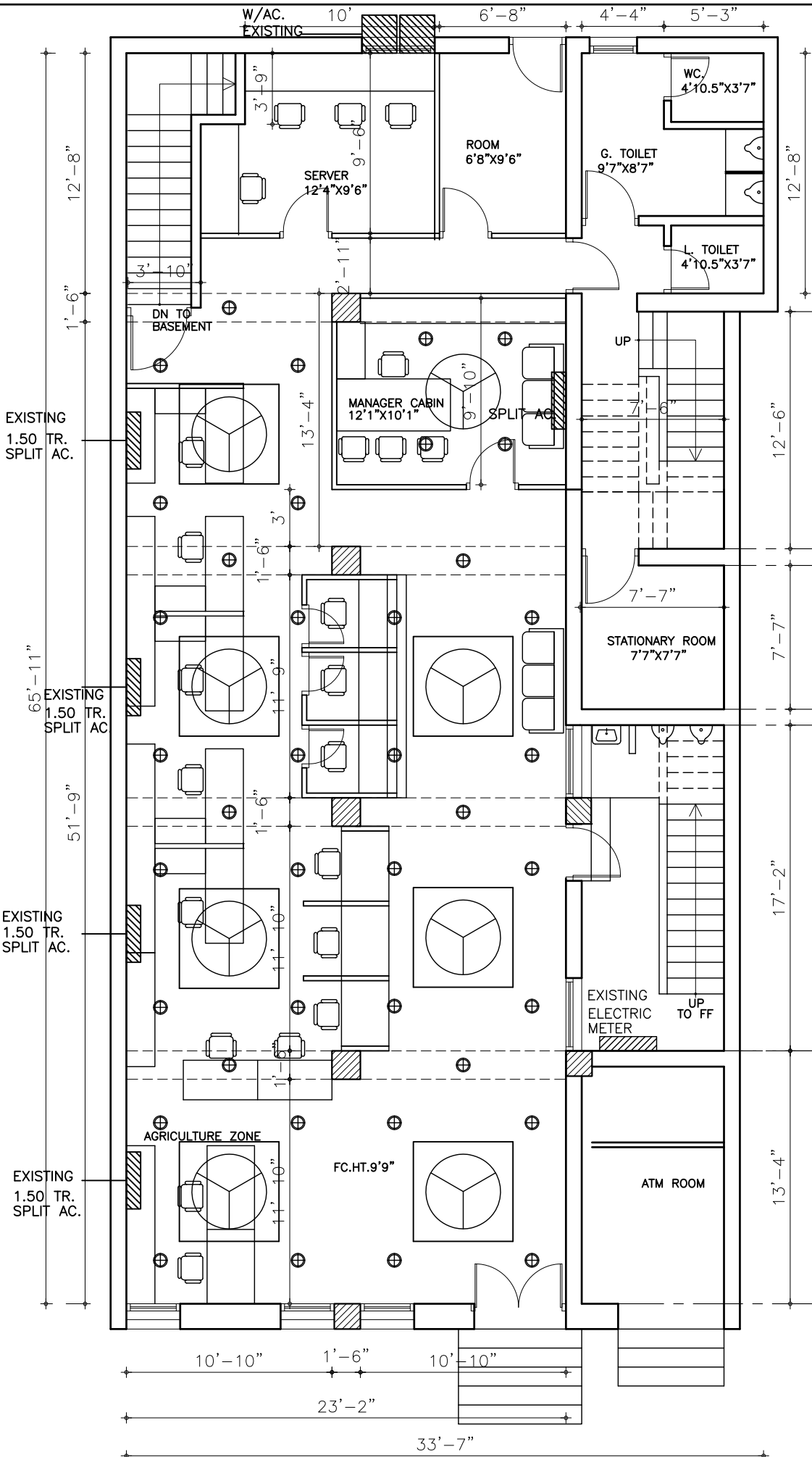
EXISTING

PROJECT  
 STATE BANK OF INDIA  
 AT VANTHALI BRANCH

TITLE  
 FIRST FLOOR PLAN  
 SCALE : 1":8'0"  
 DATE 08-11-2011



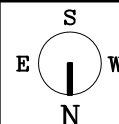
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EXISTING

PROJECT  
STATE BANK OF INDIA  
AT VANTHALI BRANCH

TITLE  
GROUND FLOOR PLAN  
SCALE : 1":8'0"  
DATE 3-11-2011



ARCHITECTS :  
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