



PREMISES, ESTATE & EXPENDITURE DEPTS

**TENDER DOCUMENT FOR
PROPOSED STRUCTURAL REPAIRS, RENOVATION,
ELEVATION, PAINTING & RAMP CONSTRUCTION
WORKS**

**AT
INDIAN BANK**

HEAD OFFICE BUILDING

66, RAJAJI SALAI, CHENNAI 600001

PART - 1

TECHNICAL BID

ARCHITECT:

CREATIVE ARCHITECTS AND INTERIORS

1090, POONAMALLEE HIGH ROAD,

1ST FLOOR, A.R. COMPLEX

EGMORE. CHENNAI – 600084

Tel : 044 - 28134306, 4401,4498.



INDEX

Sl. No.	Description	Page
1.	Form of Tender	3
2.	Notice inviting tender	4 to 6
3.	Prequalification Criteria	7 to 9
4.	Section I - Instructions to Tenderers	10 to 13
5.	Proforma – I – General Information	14 to 15
6.	Proforma II - List of Major Plant and Machinery	16
7.	Proforma IIa - List of Key Technical Person	17
8.	Proforma III-Finance Information	18
9.	Proforma III (A) — Similar works	19
10.	Proforma III (B) - List of Work on hand	20
11.	Proforma IV - Solvency Certificate	21
12.	Proforma V - Performance Report	22
13.	Special Instructions to Tenderers	23 to 26
14.	General Conditions of Contract	27 to 49
17.	Safety Code and Model Rules	50 to 51
18.	Agreement Format	52 to 55
19.	Technical Specification	56 to 75
20.	Approved Make of Materials	76 to 77
20.	Check list	78
21.	Tender Drawings.	



FORM OF TENDER

To,
Assistant General Manager (P&E),
Indian Bank Corporate Office,
Premises, Estate & Expenditure Dept,
No. 254-260, Avvai Shanmugam Salai,
Royapettah, Chennai – 600 014.

Dear Sir/s,

Sub: "STRUCTURAL REPAIRS, RENOVATION, ELEVATION PAINTING & RAMP CONSTRUCTION WORKS AT INDIAN BANK HEAD OFFICE, 66, RAJAJI SALAI, CHENNAI – 600 001-

Having duly examined the tender documents including the drawings, specifications, designs bill of quantities relating to the works specified in the under written memorandum and having visited / inspected the site of the said works and having acquired all the requisite information relating there to as affecting this tender, I/We hereby offer to execute the works specified therein at the rates specified in the Bill of quantities **(while submitting Price Bid)** and in accordance, in all respects, with the specifications, designs, drawings and instructions in writing referred to in the conditions of tender, the Articles of Agreement, Special Conditions, if any, the Bill of quantities and Conditions of Contract and with such materials are as specified, by and in all other respects in accordance with such conditions in the Bill of quantities and conditions of contract so far as applicable.

Thanking You,

Tenderers Name & Signature

Date and Company Seal:



NOTICE INVITING TENDER

Indian Bank, Corporate Office, Estate Department, Chennai invites sealed tenders under 2 bid system from reputed and resourceful bidders for executing “Structural Repairs, Renovation, Elevation, Painting & Ramp Construction Works at Indian Bank, Head Office Building, 66, Rajaji Salai, Chennai – 600001.

1.	Name of Work	Structural Repairs, Renovation, Elevation, Painting & Ramp Construction Works at Indian Bank Head Office Building, 66, Rajaji Salai, Chennai – 600001
2.	Estimated cost of work	Rs. 564 lakh
3.	Period of completion	6 months reckoned from the 15 th day of issue of the work order or handing over of site whichever is later.
4.	Validity of Tender	90 days from the date of opening
5.	Earnest Money Deposit (EMD)	Rs.11,20,000/- (Rupees Eleven Lakh Twenty Thousand only)
6.	Initial Security Deposit (ISD)	2% of the Bid Amount (Including EMD amount)
7.	Retention Money (RM)	5% against each RA bill
8.	Total Security Deposit EMD+ISD+RM	7% of the cost. (50% will be released after 15days of payment of the final bill and the balance 50% will be released after the Defect liability Period of One year).
9.	Value of work for Interim Payment	Rs.56,00,000/- (Rupees Fifty Six Lakh Only)
10.	Tender Documents	The Tender Documents can be downloaded from the Bank's website (www.indianbank.in under Tenders column)
11.	Cost of Tender documents	free of cost.
12.	Liquidated Damages	1% for delay per week of the contract value subject to maximum of 10% of contract value.



13.	Pre-bid Meeting	On 17.11.2020, at 3.30 PM at Indian Bank, Corporate office, Premises, Estate & Expenditure dept, 1 st floor, No. 254-260, Avvai Shanmugam Salai, Royapettah, Chennai- 600014. All interested bidders can send their queries through email before the prebid date and get their queries clarified during the pre-bid meeting.
14.	Last date of submission of Tenders	26.11.2020 - 15.00hrs, at Indian Bank, Corporate office, Premises, Estate & Expenditure dept, 1 st floor, No. 254-260, Avvai Shanmugam Salai, Royapettah, Chennai- 600014
15.	Date of Opening of Technical bid	26.11.2020 - 15.30hrs, at Indian Bank, Corporate office, Premises, Estate & Expenditure dept, 1 st floor, No. 254-260, Avvai Shanmugam Salai, Royapettah, Chennai- 600014
16.	Date of Opening of Financial bid (Manually)	Will be intimated later to the qualified Tenderers only. After this the Reverse Auction will be held on-line.
17.	Defect Liability Period	12 Months from the date of Virtual Completion of work.

Note:

1. The Final Financial price bid will be decided through Online Reverse Auction.
2. The bank reserves the right to reject any or all tenders/bids without assigning any reason.
3. The rates quoted by the Tenderer shall be based only on the specifications and conditions of the tender documents.
4. Bank is not liable to make any payment to tenderers either for inspection of site or for preparation to submit the tender/bid, regardless of the conduct or outcome of the bidding process.
5. Bank reserves the right to cancel the tender of the bidder who fails to submit their tender in the prescribed format of bank.
6. The bidding will be done through Reverse Auction.
7. The Companies who are registered with Micro, Small & Medium Enterprises and also



those having valid NSIC certificate under Government Store Purchase Programme having certificate clearly indicating the amount of “Quantitative Capacity Per Annum” (amount of Quantitative Capacity Per Annum shall be more than the estimated cost of work) are exempted from the submission of Tender document fee/EMD on submission of requisite proof in the form of valid certification from MSME and NSIC.

ASSISTANT GENERAL MANAGER (P & E)

Indian Bank, Corporate Office
Premises, Estate & Expenditure Dept,
First Floor,
No. 254-260, Avvai Shanmugam Salai,
Royapettah, Chennai – 600014
Email: hoestate@indianbank.co.in



**PRE QUALIFICATION
DOCUMENT
FOR THE PROPOSED
STRUCTURAL REPAIRS,
RENOVATION, ELEVATION,
PAINTING & RAMP
CONSTRUCTION WORK AT
INDIAN BANK, HEAD OFFICE
BUILDING, 66, RAJAJI SALAI,
CHENNAI - 600001**



Sub: PROPOSED STRUCTURAL REPAIRS, RENOVATION, ELEVATION, PAINTING AND RAMP CONSTRUCTION WORK AT INDIAN BANK, HEAD OFFICE BUILDING, 66, RAJAJI SALAI, CHENNAI - 600001

The intending bidders shall fulfill the following minimum **eligibility Criteria for pre-qualification** bidding for the above jobs: -

A. 1.0 (a) EXPERIENCE

S.no	Eligible Work	Value – Rs. in Crores
1	Three similar completed works each costing not less than	2.25
2	Two similar completed works each costing not less than	2.82
3	One similar completed work each costing not less than	4.51

In the Last five years ending 31.03.2020

- (b) Similar work shall mean “Executing RCC Structural repair works, renovation, painting works and Façade works for Multistoried RCC Buildings of atleast GF + 5 floors / Institute Buildings / Large Office spaces / Hospitals / Industrial Buildings or equivalent and Residential Buildings” executed in India. Eligible bidders have to submit the TDS certificate issued for the PQ work executed by them along with the Technical bid.

- 2.0 **TURNOVER:** Average annual turnover from the works for the last three years ending 31st March 2020 should not be less than **Rs. 2.25 Crores** as per the audited balance sheet.

- 3.0 **Profit / Loss:** - Tenderer should be a Net Profit making firm and should not have made losses in the last three continuous financial years to be enclosed. Certificate(s) from Chartered Accountant / Statutory auditors specifying the net worth of the Applicants, as at the close of the preceding financial year,



- 4.0 **Solvency Certificate:** - The contractor should have a solvency of the amount of Rs. **2.25 crores** duly certified by any Scheduled Bank **obtained on or after 01.01.2020.**

B . Other conditions

- 1.0 Interested parties meeting the above eligibility criteria can download the tender document from banks website www.indianbank.co.in/tenders and submit experience profile, proof of meeting the above criteria, attested copies of completion / work in progress certificates from the clients, audited certified balanced sheet for the last 3 (three) years, EPF /GST, Registration as Contractor with various PSUs, State PWDs, CPWD, MES, Railways and Autonomous Bodies, details of Technical and Administrative employees, etc., along-with duplicate copy of tender documents including drawings. Application not accompanied by any of the above documents and EMD will be rejected at the discretion of Indian Bank. Bank also reserves the right to verify the CIBIL/CRILC reports of the bidders and take a decision on their financial capacity before finalising their pre-qualification.

- 2.0 No Joint Venture or consortium of firms shall be allowed.

- 3.0 Indian Bank reserves the right to verify the authenticity of the documents submitted by the contractors. Indian Bank also reserves the right to reject any or all applications, split the works or cancel the process without assigning any reason whatsoever may be.

- 4.0 The Tender Application along with its enclosures have to be submitted in duplicate.

- 5.0 The Panel of pre-qualified contractors shall be initially valid for three year. However Indian Bank reserves the right to curtail or extend at its sole discretion.

- 6.0 The duly filled in application shall be submitted in a sealed envelop till 26.11.2020, 3.00 PM **due date and time** at Indian Bank, Corporate office, Premises, Estate & Expenditure dept. 1st floor, No.254-260, Avvai Shanmugam Salai, Royapettah, Chennai – 600 014,

Superscribing "Tender document for STRUCTURAL REPAIRS, RENOVATION, ELEVATION, PAINTING & RAMP CONSTRUCTION WORKS AT INDIAN BANK, HEAD OFFICE BUILDING, 66, RAJAJI SALAI, CHENNAI 600001

Assistant General Manager (P&E) , Indian Bank Corporate Office, Chennai-600014, Tel: 044-28134306, 4401,4498



SECTION I

INSTRUCTIONS TO TENDERERS

General

1.0 SCOPE OF TENDER BID

- 1.1 The Employer, as defined in the Tender document, hereinafter called "the Owner," wishes to receive tender documents.
- 1.2 Throughout these bidding documents, the terms "bid" and "tender" and their derivatives ("bidder"/"tenderer"), "bided /tendered", "bidding"/"tendering", etc. are Synonymous. Day means calendar day. Singular also means plural.
- 1.3 The approximate Estimated Value of the works is as indicated in the tender document

2.0 ELIGIBLE TENDERERS

- 2.1 This Invitation to Tender bid is open to all experienced and reputed Structural repair and façade work Contractors whether Individual or Sole Proprietor, Partnership firm, Private limited, or Public limited Company who satisfy the qualifying criteria. Joint ventures are not accepted.
- 2.2 The tenderers are required to forward the documents as indicated in the tender documents.

3.0 QUALIFYING CRITERIA

As given in Page No. 8 of this tender document.

Additional Requirement : Even though the tenderers meet the above qualifying criteria, they are liable to be disqualified if they have

- (a) Made misleading or false representation in the forms, statements and attachments in proof of the qualification requirements;
- (b) Records of poor performance such as abandoning the work, not properly completing the contract, inordinate delays in completion, litigation history or financial failures etc.
- (c) Their business banned by any Central Govt. Department/Public Sector Undertakings or Enterprises of Central Govt.
- (d) Not submitted all the supporting documents or not furnished the relevant details as per the prescribed format.



(e) Any one of the partners (in case of partnership firm) or any Directors in case of pvt ltd., or public ltd firm being convicted by a Court of law.

- 3.1 Tenderer shall submit the general information about them as per Proforma No-I
- 3.2 Tenderer shall submit the list of major plant & machinery available with the firm as per Proforma No.- II

4.0 SITE VISIT

- 4.1 The tenderer is advised to visit **(upon prior approval)**, and examine the Site of Works and its surroundings and obtain for itself on its own responsibility and cost all information that may be necessary for preparing the bid and entering into a contract for construction of the Works.
- 4.2 The tenderer and any of its personnel or agents will be granted permission by the Employer /Owner to enter upon its premises for the purpose of such visit **(upon prior approval)**, but only upon the express condition that the tenderer, its personnel, and agents, will release and indemnify the Employer/Owner and its personnel and agents from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.
- 4.3 Before submitting a Bid, the Tenderer shall be deemed to have satisfied himself by actual inspection of the site and locality of the works, Traffic conditions/restrictions, Availability of parking space, Transportation of materials that all conditions liable to be encountered during the execution of the works are taken into account and that the rates entered in the Price Bid document are adequate and all inclusive for the completion of work to the entire satisfaction of the Employer/Owner.

5.0 BID OPENING

- 5.1 Part-I of the Bid (Technical Bid) will be opened at the address and (the date and time intimated in the Notice Inviting tender (NIT)) mentioned in "Tender document" in presence of Tenderers or authorized representatives of Tenderers who wish to attend the opening of Bids.

Bank will decide the Final Financial price through Online Reverse Auction. Advance intimation will be given to all qualifying bidders of Technical Bid about the date, time. The qualified bidders have to obtain Digital Signature for participating in the online reverse auction.

6.0 PROCESS TO BE CONFIDENTIAL

- 6.1 Information relating to the examination, clarification, evaluation and comparison of



bids, and recommendations for Tender shall not be disclosed to tenderers or any of their persons not officially concerned with such process until the Tender process is finalized.

7.0 EXAMINATION OF BIDS AND DETERMINATION OF RESPONSIVENESS

7.1 The Employer shall examine the bids to determine whether they are complete, whether the documents have been properly signed and whether the bids are generally in order, and all documents as per tender document have been submitted.

7.2 Prior to the detailed evaluation, Employer shall determine whether each bid is of acceptable quality, is generally complete and is substantially responsive to the tender documents. For purposes of this determination, a substantially responsive bid is one that confirms to all the documents as specified in the Tender document without material deviations, objections, Conditionality or reservation.

A material deviation, objection, conditionality or reservation is one;

- a) That affects in any substantial way the scope, quality or performance of the contract.
- b) That limits in any substantial way, inconsistent with the bidding documents, the Employers' rights or the successful Tenderer's obligations under the tender document or
- c) Whose rectification would unfairly affect the competitive position of other Tenderers who are presenting substantially responsive bids.

7.3 If a bid is determined to be not substantially responsive, it shall be rejected by the Employer.

8.0 EVALUATION OF TENDER BIDS

8.1 The bids, which are determined as substantially responsive, shall be evaluated based upon the criteria as given in qualifying criteria.

8.2 No Tenderer is permitted to canvass to Employer on any matter relating to this Bid. Any Tenderer found doing so is liable to be disqualified and his bid is liable to be rejected.

8.3 The Employer may visit few of the works completed by the tenderers, whom they claim satisfying the eligibility criteria (As a part of tender process).

9.0 The application should be type-written. The applicant should sign and stamp each page of the application.

10.0 Overwriting should be avoided. Correction, if any should be made by neatly



crossing out, initialing, dating and rewriting. Pages of the Tender documents are numbered. Additional sheets, if any, added by the contractor, should also be numbered by him.

11.0 Any information furnished by the applicant found to be incorrect either immediately or at a later date, would render him liable to be debarred from Tender / tendering / taking up of work in Indian bank. If such applicant happens to be pre-qualified/ enlisted contractor, his name shall be removed from the pre-qualified list of contractors.

12.0 All information called for in the enclosed forms should be furnished against the relevant columns. If for any reason, information is furnished on a separate sheet, this fact should be mentioned against the relevant column. Even if no information is to be provided in a column, a 'NIL' or 'NO SUCH CASE' entry should be made in that column. If any particulars! Query is not applicable in case of the applicant, it should be stated as "not applicable". The applicants are cautioned that not giving complete information called for in the application forms or not giving it in clear terms or making any change in the prescribed forms or deliberately suppressing the information may result in the applicant being rejected. Applications/Tender document submitted through Email and Fax without processing fees will not be entertained. The Application/Tender document received after the due date and time of submission shall not be considered.



Proforma - I

General Information

All individual / firms applying for pre-qualification are requested to complete the information in this form.

1	Name of Tenderer	
2	Head Office Address	
3	Address on which Correspondence should be done.	
	Tel. No.	
	Mobile no.	
	Fax No.	
	E-mail address	
4	Place of incorporation / registration	
5	Constitution of tenderer	
i)	Specify, if the tenderer is	
	a) An individual	
	b) A proprietary firm	
	c) A firm in partnership	
	d) A Limited Company or Corporation	
ii)	Attach a copy of Proprietorship or Partnership Deed or Article of Association or Incorporation of Company as the case may be .	
6	Bank solvency	
7	Turn Over for the years given below	
	2017 - 2018	
	2018 - 2019	
	2019 - 2020	
8	Give particulars of registration with Govt. / Semi Govt. / Public Sector Undertakings / Local Bodies.	
9.	Other details: a) EPF No. b) Labour license no c) PAN No. d) GST Registration No. (Copies to be enclosed)	



10.	Any other information considered necessary but not included above	
11.	Names and Titles of Directors and officers with designation to be concerned with this work with Designation of individuals authorized to act for the organization	
12.	Was the applicant ever required to suspend works for a period of more than six months continuously after commencement of works. If so, give the name of the project and give reasons thereof.	
13.	Has the applicant or any constituent partner in case of partnership firm, ever abandoned the awarded work before its completion? If so, give the name of the project and give reasons thereof.	
14.	Has the applicant or any constituent partner in case of partnership firm, ever been debarred / black listed for tendering in any organization at any time? If so, give details	
15.	Has the applicant or any constituent partner in case of partnership firm, ever been convicted by a court of law? If So, give details	
16.	Detailed description and value of works successfully completed during the last five years as mentioned in Page no. 8	
17.	Furnish names and address of previous organization for which you have executed similar work in the recent past (At least three)	

Note: Only self attested copies to be furnished.

Date & Place

Signature & seal of the applicant



PROFORMA - II

List of major Plant and Machinery in possession of the firm

S. No.	Name of Plant & Machinery / equipment	Nos. Available Owned	*Other than col. no. C
A	B	C	D
1			
2			
3			
4			
5			
6			

Signature & seal of the applicant

Date & Place

Note:

* In case of any arrangement for getting the equipment on lease, etc., authenticated proof of the same is to be submitted. Use separate sheets for providing more information.



PROFORMA II(a)

DETAILS OF KEY TECHNICAL AND ADMINISTRATIVE PERSONNEL EMPLOYED BY
THE FIRM / COMPANY

S.no	Designation	No of staffs	Names	Qualification	Professional Experience	Years of Experience in this firm

Date and Place

Seal and Signature of the applicant



FINANCIAL INFORMATION

I Financial Analysis – Details to be furnished duly supported by figures in Balance Sheet/Profit and Loss Account for the last three years ended 31.03.2020 duly certified by the Chartered Accountant, as submitted by the applicant to the Income-Tax Department (Copies to be attached). If the audited statement as of 31.03.2020 is not available, preceding 3 years statements may be furnished. Statement as on 31.03.2020 may be submitted immediately on finalization.

FINANCIAL YEARS	17-18	18-19	19-20
(i) Gross Annual turn-over in Works: mentioned in the NIT			
(ii) Profit or Loss			
(iii) Financial position:			
(a) Cash			
(b) Current Assets			
(c) Current Liabilities			
IV) (a) Net Working capital (b-c)			
(b) Current Ratio: Current Assets/Current Liabilities (b/c)			
(c) Acid Test Ratio: Quick Assets/Current Liabilities (a/c)			
V. Income Tax clearance Certificate			
VI. Solvency certificate from Bankers (Scheduled Bank) of Applicant.			
VII. Financial arrangements for carrying out the proposed work			

Date and Place

SIGNATURE OF APPLICANT(S)

Signature of Chartered Accountant with seal of the Applicant



PROFORMA IIIA

LIST OF SIMILAR WORKS SATISFYING QUALIFICATION CRITERIA
COMPLETED DURING THE LAST 5 YEARS

S.No	Clients Name & Address	Name of the work & Location	Scope of work carried out by the bidder	Agreement/ Letter of Award No. & Date	Contract Value	Date of start	Date of completion	Reasons for delay in Completion, if any	Ref. Or Document (with page no.) in support of meeting Qualification Criterion



PROFORMA IIIB

LIST OF WORKS ON HAND

S.No	Clients Name & Address	Name of the work & Location	Scope of work	Agreement/ Letter of Award No. & Date	Contract Value	Date of start



PROFORMA - IV

**Certificate of Credit Facility
(Solvency) (On Bank's letter Head)**

This is to certify that M/s _____, is a reputed firm / company with a good financial standing.

The firm / company is enjoying a fund based credit facility of Rs. _____ to meet its working capital requirements.

Signature

Name, Designation &

Address of Bank

BANK'S SEAL

NOTE: The above certificate shall be from Scheduled Bank.



PROFORMA V

PERFORMANCE REPORT FOR WORKS REFERRED TO IN PROFORMAIII (A)

1. Name of the work / Project & Location.
2. Scope of work.
3. Agreement No.
4. Estimated Cost
5. Tendered Cost
6. Value of work done
7. Date of Start
8. Date of completion
 - a. Stipulated date of completion.
 - b. Actual date of completion.
9. Amount of compensation levied for delayed Completion if any.
10. Performance report based on quality of work, Time Management, and Resources :
Very Good/Good/Fair/Poor

Date and Place

**SUPERINTENDING ENGINEER /
CHIEF PROJECT MANAGER
OR EQUIVALENT.**



SPECIAL INSTRUCTIONS TO TENDERERS

1. Time of Completion, Extension of Time & Progress Chart

Time of Completion:

The entire work is to be completed in all respects within the stipulated period of 6 months. The work shall deem to be commenced within fifteen days from the date of issue of Work order or date of handing over of site, whichever is later. Time is the essence of the contract and shall be strictly observed by the Tenderer.

The work shall not be considered as complete until the Architects have certified in writing that this has been completed and the Defects Liability Period shall commence from the date of such certificate.

The contractor may plan and execute all the works around the clock provided there is no hindrance and after obtaining prior permission from Bank Authorities.

Extension of Time:

If in the opinion of the Indian Bank/Architects / Project Management Consultants the works be delayed (a) by reason of any exceptionally inclement weather, or (b) by reason of instructions from the Indian Bank in consequence of proceedings taken or threatened by or disputes, with adjoining or neighboring owners or (c) by the works, or delay, of other Tenderers or tradesmen engaged or nominated by the Indian Bank and not referred to in the specification or (d) by reason of authorized extra and additions or (e) by reason of any combination of strikes or lock-out affecting any of the building trades of (1) from other causes which the Indian Bank may consider being beyond the control of the Tenderer, the Indian Bank at the completion of the time allowed for the contract shall make fair and reasonable extension of time for completion in respect there for. In the event of the Indian Bank failing to give possession of the site upon the day specified above the time of completion shall be extended suitably.

In case of such strikes or lockouts, as are referred to above, the Tenderer shall, immediately give the Indian Bank, written notice thereof. Nevertheless the Tenderer shall use his best endeavors all that to prevent delay, and shall do all that may be reasonably required to the satisfaction of the Indian Bank to proceed with the works and on his doing so, it will be ground of consideration by the Indian Bank for a extension of time as above provided. the decision of the Indian Bank as to the period to be allowed for an extension of time for completion hereunder (which decision shall be final and binding on the Tenderer) shall be promulgated at the conclusion of such strike or lock-out and the Indian Bank shall then, in the event of an extension being granted, determine and declare the final completion date. The provision in clause 5 with respect to payment



of liquidated damages shall in such case, be read and construed as if the extended date fixed by the Indian Bank were substituted for and the damage shall be deducted accordingly.

Progress of Work:

During the period of construction, the Tenderer shall maintain proportionate progress on the basis of a Programme Chart submitted by the Tenderer immediately before commencement of work and agreed to by the Indian Bank / Architects. Tenderer should also include planning for procurement of scarce material well in advance and reflect the same in the Programme Chart so that there is no delay in completion of the project.

2. Defects Liability Period (DLP)

- a) It must be realized that this period is for exposure of "latent defects" such as settlements, shrinkages or expansion cracks, undue weathering and wear due to faulty material and workmanship.
- b) The DLP commences from the certified date of Virtual Completion issued by the Architects. DLP – 1 year from the Date of issue of Virtual Completion Certificate for the work by Architects.
- c) Whenever the Indian Bank is of the view that the defects in the workmanship and/or materials used are likely to be apparent only over a long period, the Defect Liability Period may be extended as deemed fit.

3. Date of Commencement

Normally, Date of commencement shall be either 15 Days from the Work order issued to the Tenderer or the day on which Tenderer is instructed to take possession of the site, Whichever is later.

4. Date of Completion

Date of completion shall be arrived at after adding the time allowed for the execution of the work to the date of commencement of work.

5. Period of Final Measurement

The period of final measurement after completion shall be made taken into account the complexity of the work and staff available for carrying out measurements.

All hidden works shall have already been measured as the work progressed in presence of Tenderers, Indian Bank, Architect and respective specialized consultants to check up the quality and method of installation. It should be noted that unless a longer period is stipulated, the condition of contract generally lays down three months (maximum) from



the date of completion of the contract as the period of final measurement. Even though the maximum period of three months is mentioned, it shall be endeavored to complete the measurements as expeditiously as possible.

6. Period of Honoring Interim Certificate

The period shall be ten days from the date of receipt of the certificate from the Architect along with M Book only signed by the Tenderer, consultants & Architect.

7. Period of Honoring Final Certificate

The period shall be one month from the date of receipt of the final bill certificate from the Architect along with M book duly signed by Tenderer, Consultant and Architects and statutory Certificates wherever necessary along with "as built drawings" of the works executed. No due certificate from self as well as from the sub agencies involved by the main contractor should be produced to the bank at the time of submitting final bill by the main contractor.

8. Retention Money

The retention percentage (I.e. deduction from interim bill) shall be 5% of the Gross value of each interim bill. The maximum amount of retention money shall be the balance amount of the Total Security Deposit. 50% of the retention amount will be refunded to the Tenderer on completion subject to the following:

- Issue of Virtual Completion Certificate by the Architect.
Tenderer's removal of his materials, equipment, labour force, temporary sheds/stores etc. from the site. (excepting for a small presence required if any for the Defect Liability Period and approved by the Indian Bank) The remaining 50% of the amount may be refunded 14 (Fourteen) days after the end of defects liability period provided he has satisfactorily carried out all the works and attended to all defects in accordance with the conditions of the Contract, including site clearance.



9. Receiving, Opening and Recording of Tenders

Part-A (Technical bid) has to be submitted in duplicate with one set of drawings. The tenderers are required to submit the tender documents marked "*Original*" and "*Duplicate*" in Part-A.

Part-A tender will be opened at **15.30** hours on the same day as the last day of the receipt. In case of postal delivery, the tenderer has to ensure that the tender is received before the due date and time. The Indian Bank will not be responsible for the damage in transit and delay in receipt of tender if any.

After technical evaluation, intimation will be given to all qualifying bidders about the date, time of opening of Manual Price bid with the opening of the lowest value among the quotes shall be treated as Reverse price for online reverse bidding.

Part-B (Price bid) has to be submitted by successful bidder after completion of reverse auction.



GENERAL CONDITIONS OF CONTRACT

Except where provided for in the description of the individual items in the schedule of quantities and in the specifications and conditions laid down hereinafter and in the Drawings, the work shall be carried out as per standard specifications and under the direction of Architects.

1. Interpretation

In construing these conditions, the specifications, the schedule of quantities, tender and Agreement, the following words shall have the meaning herein assigned to him except where the subject or context otherwise requires:

- i. Indian Bank: The term Indian Bank shall denote Indian Bank with their Corporate Office at No. 254-260, Avvai Shanmugam Salai, Royapettah, Chennai – 600 014 and any of its employees representative authorized on their behalf.
- ii. Tenderer: The term Tenderer shall mean (to the firm the contract is awarded) and his / their heirs, legal representatives, assigns and successors.
- iii. Site: The site shall mean the site where the works are to be executed as shown within boundary in red border on the site plan including any building and erections thereon allotted by the Indian Bank for the Tenderer's use.
- iv. Drawings: The work is to be carried out in accordance with drawings, specifications, the schedule of quantities and any further drawings which may be supplied or any other instruction, which may be given by the Indian Bank during the execution of the work.

All drawings relating to work given to the Tenderer together with a copy of schedule of quantities are to be kept at site and the Architects shall be given to such drawings or schedule of access whenever necessary.

In case any detailed Drawings are necessary Tenderer shall prepare such detailed drawings and or dimensional sketches there for and have it confirmed by the Indian Bank/ Architects/PMC as case may be prior to taking up such work.

The Tenderer shall ask in writing for any clarifications.



- v. "The Works" Shall mean the work or works to be executed or done under this contract.
- vi. "Act of Insolvency" shall mean any act as such as defined by the Presidency Towns Insolvency act or in Provincial Insolvency Act or any amending Statutes.
- vii. "The Schedule of Quantities" shall mean the schedule of quantities as specified and forming part of this contract.
- viii. "Priced Schedule of Quantities" shall mean the schedule of quantities duly priced with the accepted quoted rates of the Tenderer.

2. Tenders

a) Technical Bid

The entire set of tender paper issued to the tenderer should be submitted fully signed on the every page. Signature will indicate the acceptance of the tender papers by the tenderer.

b) Price Bid - The price should be quoted in the Price Bid format attached to this bid.

The schedule of quantities shall be filled in as follows:

- a) The "Rate" column to be legibly filled in ink both English figures and English words.
- b) Amount column to be filled in for each item and the amount for each sub head as detailed in the "Schedule of Quantities".
- c) All corrections are to be initialed.
- d) The "Rate Column" for alternative items shall be filled up.
- e) The "Amount" column for alternative items of which the quantities are not mentioned shall not be filled up.

No modifications, writings or corrections can be made in the tender papers by the tenderer, but may at his option offer his comments or modifications in a separate sheet of paper attached to the original tender papers.

The Indian Bank reserves the right to reject the lowest or any tender and also to discharge any or all of the tenders for each section or to split up and distribute any item of work to any specialist firm or firms, without assigning any reason.



The tenderers should note that the tender is strictly on the item rate basis and their attention is drawn to the fact that the rates for each and every item should be correct, workable and self-supporting. If called upon by the Indian Bank/ Architects detailed analysis of any or all the rates shall be submitted. The Indian Bank/ Architects shall not be bound to recognize the Tenderer's analysis.

The works will be paid for as "measured work" on the basis of actual work done and not as "lump sum" contract, unless otherwise specified.

All items of work described in the schedule of quantities are to be deemed and paid as complete works in all respects and details including preparatory and finishing works involved, directly, related to and reasonably detectable from the drawings, specifications and schedule of quantities and no further extra charges will be allowed in this connection. In the case of lump-sum charges in the tender in respect of any item of works, the payment of such items of work will be made for the actual work done on the basis of lump-sum charges as will be assessed to be payable by the Indian Bank.

The Indian Bank has power to add to, omit from any work as shown in drawings or described in specifications or included in schedule of quantities and intimate the same in writing but no addition, omission or variation shall be made by the Tenderer without authorization from the Indian Bank. No variation shall vitiate the contract. Please also refer to para 9 hereinafter.

The tenderer shall note that his tender shall remain open for consideration for a period as specified in General rules and Instructions under Item no 10. from the date of opening of the price - tender of the tender .

3. Agreement

The successful Tenderer is required to sign agreement as may be drawn up to suit local conditions and shall pay for all stamps and legal expenses, incidental thereto.

4. Permits and Licenses

Permits and licenses for release of materials which are under Government control will be arranged by the Tenderer. The Indian Bank will render necessary assistance, sign any forms or applications that may be necessary.

The Indian Bank/ Architect / PMC shall be indemnified against all Government or legal actions for theft or misuse of cement M.S. rods and any controlled materials in the custody of the Tenderer.

It may be clearly understood that no compensation or additional charges can be claimed by the tenderer for non-availability of such materials in due time on



this account or according to his own requirements.

5. Government and Local Rules

The Tenderer shall conform to the provisions of all local Bye-laws and Acts relating to the work and to the Regulations etc., of the Government and Local Authorities and of any company with whose system the structure is proposed to be connected. The Tenderer shall give all notices required by said Act, Rules, and Regulations and Bye-laws etc., and pay all fees / fines payable to such authority / authorities for execution of the work involved. The cost, if any, shall be deemed to have been included in his quoted rates, taking into account all liabilities for licenses, fees for footpath encroachment and restorations etc., and shall indemnify the Indian Bank against such liabilities and shall defend all actions arising from such claims or liabilities.

6. Taxes and Duties

The tenderers must include in their tender prices quoted for all duties royalties, cess and sale tax or any other taxes or local charges if applicable. GST will be payable extra as applicable.

No extra claim on this account will in any case be entertained.

The tenderer shall keep necessary books of A/C & other documents for the purpose of this condition as may be necessary and shall allow inspection of the same by duly authorized representative of the Indian Bank and or the Engineer-in-charge and further shall furnish such other information / document as the Indian Bank may require from time to time.

7. Quantity of Work to be executed

The quantities shown in the schedule of quantities are intended to cover the entire new structure indicated in the drawings but the Indian Bank reserves the right to execute only part or the whole or any excess thereof without assigning any reason therefore. Variation in the value is however not expected to be more than 25%.

8. Other Persons Engaged by the Indian Bank

The Indian Bank reserves the right to execute any part of the work included in this contract or any work which is not included in this contract by other Agency or persons and Tenderer shall allow all reasonable facilities and use of his scaffolding for the execution of such work. The main Tenderer shall extend all cooperation in this regard.

9. Earnest Money and Security Deposit

The tenderer will have to deposit an amount of Rs.11,20,000/- (Rupees Eleven Lakh Twenty Thousand Only) in the form of Bankers



Demand Draft or Bank Guarantee from scheduled commercial bank in India drawn in favour of " Indian Bank," payable at Chennai at the time of submission of tender as an Earnest Money. The Indian Bank is not liable to pay any interest on the Earnest Money. The Earnest Money of the unsuccessful tenderers will be refunded without any interest soon after the acceptance of the selected tenderder after award of work or after the expiry of the validity period of the tender

Apart from the EMD, retention money shall be deducted from progressive running bills @ 5% of the gross value of each running bill until the Total Security Deposit, i.e., EMD and the retention money equals 7% of the project cost. 50% of the total security deposit shall be released on successful completion of the works and after obtaining Virtual completion certificate from the Architect and No Claim certificate by the tenderder to the Indian Bank.

The balance retention amount 50% will be refunded after the end of defects liability period as mentioned in point no.2 of this special condition of contract provided he has satisfactorily carried out all the work and attended to all defects in accordance with the conditions of the contract. No interest is allowed on retention money. A part of the Security Deposit if and as decided by a constituent Indian bank can also be furnished in the form of a Indian bank guarantee on a Indian bank other than that of the constituent Indian bank

10. Tenderer to provide everything necessary

The Tenderer shall provide everything necessary for the proper execution of the work according to the intent and meaning of the drawings, schedule of quantities and specifications taken together whether the same may or may not be particularly shown or described therein provided that the same can reasonably be inferred there from and if the Tenderer finds any discrepancies therein he shall immediately and in writing, refer the same of the Indian Bank/ Architects / PMC whose decision shall be final and binding.

The Tenderer shall provide himself for ground and fresh water for carrying out of works at his own cost. The Indian Bank shall on no account be responsible for the expenses incurred by the Tenderer for hired ground or fresh water obtained from elsewhere.

The rates quoted against individual items will be inclusive of everything necessary to complete the said items of work within the contemplation of the contract, and beyond the unit price no extra payment will be allowed for incidental or contingent work, labour and/or materials inclusive of all taxes and duties whatsoever except for specific items, if any, stipulated in the tender documents.



The Tenderer shall supply, fix and maintain at his own cost, for the execution of any work, all tools, tackles, machineries and equipments and all the necessary centering, scaffolding, staging, planking, timbering, strutting, shoring, pumping, fencing, boarding, watching and lighting by night as well as by day required not only for the proper execution and protection of the said work but also for the protection for the public and safety of any adjacent roads, streets, walls, houses, buildings, all other erections, matters and things and the Tenderer shall take down any remove any or all such centering, scaffolding, planking, timbering, strutting, shoring, etc., as occasion shall be required or when ordered so to do, and shall fully reinstate and make good all matters and things disturbed during the execution of the works to the satisfaction of the Indian Bank/ Architects.

The Tenderer shall also provide such temporary road on the site as may be necessary for the proper performance of the contract, and for his own convenience but not otherwise. Upon completion, such roads shall be broken up and leveled where so required by the drawings unless the Indian Bank shall otherwise direct. The Tenderer shall at all times give access to workers employed by the Indian Bank or any men employed on the buildings and to provide such parties with proper sufficient and if required, special scaffolding, hoists and ladders and provide them with water and lighting and leave or make any holes, grooves etc., in any work, where directed by the Indian Bank as may be required to enable such workmen to lay or fix pipes, electrical wiring, special fittings etc. The quoted rates of the tenderers shall accordingly include all these above mentioned contingent works.

11. Tools, Storage of Materials, Protective Works and Site Office

Requirements

The Tenderer shall maintain a site office with site engineer to receive instruction notices or communications etc.

All drawings maintained on the site are to be carefully mounted on boards of appropriate size and covered with a coat of approved varnish. They are to be protected from ravages of termites, ants, and other insects.

The Tenderer shall provide at his own cost all artificial light required for the work and to enable other Tenderers and sub-Tenderers to complete the work within the specified time.

The Tenderer shall use the toilets identified by the Indian bank for use of their workmen and keep the same in a clean and sanitary condition to the satisfaction of the Indian bank / Public Health Authorities and shall cause such latrines and soil to be cleared away whenever necessary and shall make good all the works disturbed by these conveniences.

Every precaution shall be taken by the Tenderer to prevent the breeding of mosquitoes on the works during the construction, and all receptacles; cisterns,



water tanks etc., used for the storage of water must be suitably protected against breeding of mosquitoes.

The Tenderer shall indemnify the Indian Bank against any breach of rules in respect of anti-malarial measures.

The Tenderer shall not fix or place any placards or advertisement of any description or permit the same to be fixed or placed in or upon any boarding, gantry, building structure other than those approved by the Indian Bank.

Protective Measures: The Tenderer from the time of being placed in possession of the site must make suitable arrangements for watching, lighting and protecting the work, the site and surrounding property by day, by night, on Sundays and other holidays.

Tenderer shall indemnify the Indian Bank against any possible damage to the building, roads, or members of the public in course of execution of the work.

The Tenderer shall provide necessary temporary enclosures, gates, entrances, etc., for the protection of the work and materials and for altering and adopting the same as may be required and removing on completion of the works and making good all works disturbed.

Storage of materials: The Tenderer shall provide and maintain proper sheds for the proper storage and adequate protection of the materials etc. and other work that may be executed on the site including the tools and materials of sub-Tenderers and remove same on completion. Cement should be stored one feet above the ground level and have raised floor.

Tools: The theodolite levels, steel and metallic tapes and all other surveying instruments found necessary on the works shall be provided by the Tenderer for the due performance of this contract as instructed by the Site Engineer. All measuring tapes shall be of steel and suitable scaffolding and ladders that may be required for safely taking measurement shall be supplied by the Tenderer.

The masteries and the supervisors on the works shall carry with them always a one meter or two meter steel tape, a measuring tape of 3 meters, a spirit level, a plumb bob and a square and shall check the work to see that the work is being done according to the drawing and specifications. The Site Engineer will use any or all measuring instruments or tools belonging to the Tenderers as he chooses for checking the works executed or being executed on the contract. The Tenderer should cover in his rates for making provisions for all reasonable facilities for the use of his scaffolding, tools and plant etc. by sub-Tenderers for their work.



12. Notice and Patents of Appropriate Authority and Owners

The Tenderer shall confirm to the provisions of any Acts of the Legislature relating to the work, and to the Regulations and Bye- laws of any authorities, and/or any water, lighting and other companies, and/or authorities with whose systems the structures were proposed to have connection and shall before making any variations from the drawings or specification that may be associated to so conform, give the Indian Bank/ Architects written notices specifying the variations proposed to be made and the reasons for making them and apply for instruction thereon. The Indian Bank/ Architects on receipt of such intimation shall give a decision within a reasonable time.

13. Clearing Site and Setting out Works

The site shown on the plan shall be cleared of all obstructions, loose stone, and materials rubbish of all kinds. All holes or hollows whether originally existing or produced by removal or loose stone or materials shall be carefully filled up with earth well rammed and leveled off as directed at his own cost. The Tenderer shall set out the works and shall be responsible for the true and perfect setting out of the work and for the correctness of the positions, levels, dimensions and alignment of all parts thereof. If at any time, any error shall appear during the progress of any part of the work, the Tenderer shall at his own expenses rectify such error, if called upon to the satisfaction of the Indian Bank. The Tenderer shall further set out the works to the alternative positions at the site until one is finally approved and the rates quoted in his tender should include for this and no extra on this account will be entertained.

14. Tenderer Immediately to Remove All Offensive Matters

The Tenderer shall keep the foundations and works free from water and shall provide and maintain at his own expenses electrically or other power driven pumps and other plant to the satisfaction of the Indian Bank for the purpose, until the building is handed over to the Indian Bank. The Tenderer shall arrange for the disposal of the water so accumulated to the satisfaction of the Indian Bank and local authority and no claims will be entertained afterwards if he does not include in his rates for the purpose.

15. Access

Any authorized representative of the Indian Bank shall at all reasonable times have free access to the works and/or to the, workshops, factories or other places where materials are being prepared or constructed for the work and also to any place where the materials are lying or from where they are being obtained, and the Tenderer shall give every facility to the Indian bank or their representatives necessary for inspection and examination and test of the materials and workmanship. Except the representatives of the Indian Bank no person shall be allowed at any time without the written permission of the Indian



Bank.

16. Materials, Workmanship, Samples, Testing of Materials

All the works specified and provided for in the specifications or which may be required to be done in order to perform and complete any part thereof shall be executed in the best and most workmanlike manner with materials of the best and approved quality of the respective kinds in accordance with the particulars contained in and implied by the specifications and as represented by the drawings or according to such other additional particulars, and instructions as may from time to time be given by the Indian Bank/ Architects during the execution of the work, and to his entire satisfaction.

If required by the Indian Bank/ Architects the Tenderer shall have to carry out tests on materials and workmanship in approved materials testing laboratories or as prescribed by the Indian Bank/ Architects at his own cost to prove that the materials etc. Under test conform to the relevant I.S. Standards or as specified in the specifications. The necessary charges for preparation of mould (in case of concrete cube) transporting, testing etc., shall have to be borne by the Tenderer. No extra payment on this account should in any case be entertained.

All works to be carried out generally as per BIS Specifications.

Branded items, i.e., BIS compliant items specified in the tender shall not be tested separately. However the other items if approved by Indian bank are subjected to testing as per tender specifications.

All the materials (except where otherwise described) stores and equipment required for the full performance of the work under the contract must be provided through normal channels and must include charge for import duties, sales tax, octroi and other charges and must be the best of their kind available and the Tenderers must be entirely responsible for the proper and efficient carrying out of the work. The work must be done in the best workmanlike manner. Samples of all materials to be used must be submitted displayed to the Indian Bank/ Architects when so directed by the Engineer/ Architects and written approval from Indian Bank/ Architects must be obtained prior to placement of order.

During the inclement weather the Tenderer shall suspend concreting and plastering for such time as the Indian Bank/ Architects may direct and shall protect from injury all work when in course of execution. Any damage (during constructions) to any part of the work for any reasons due to rain, storm, or neglect of Tenderer shall be rectified. by the Tenderer in an approved manner at no extra cost.

Should the work be suspended by reason of rain, strike, lock -outs or any other cause, the Tenderer shall take all precautions necessary for the protection of



work and at his own expenses shall make good any damage arising from any of these causes.

The Tenderer shall cover up and protect from damage, from any cause, all new work and supply all temporary doors, protection to windows, and any other requisite protection for the execution of the work whether by himself or special tradesmen or sub-Tenderer and any damage caused must be made good by the Tenderer at his own expenses.

The contractor shall prepare for approval of Architect the "Co-ordinated services drawings" for pre-planned openings so that the alterations are reduced to the minimum.

17. Removal of Improper Work

The Indian Bank shall during the progress of the work have power to order in writing from time to time the removal from the work within such reasonable time or times as may be specified in the order of any materials which in the opinion of the Indian Bank / Architects are not in accordance with specification or instructions, the substitution or proper re-execution of any work executed with materials or workmanships not in accordance with the drawings and specifications or instructions. In case the Tenderer refuses to comply with the order the Indian Bank shall have the power to employ and pay other agencies to carry out the work and all expenses consequent thereon or incidental thereto as certified by the Indian Bank/ Architects shall be borne by the Tenderer or may be deducted from any money due to or that may become due to the Tenderer. No certificate which may be given by the Architects shall relieve the Tenderer from his liability in respect of unsound work or bad materials.

18. Site Engineer/Project Management Consultant:

The term "Site Engineer/PMC" shall mean the person/agencies appointed and paid by the Indian Bank to superintend the work. The Tenderer shall afford the Site Engineer/PMC every facility and assistance for examining the works and materials and for checking and measuring work and materials. The Site Engineer/PMC shall have no power to revoke, alter, enlarge or relax any requirements of the Tenderer or to sanction any day work, additions, alterations, deviations or omissions or any extra work whatever, except in so far as such authority may be specially conferred by a written order of the Indian Bank.

The Site Engineer/PMC shall have power to give notice to the Tenderer or to his foreman, of non-approval of any work or materials and such work shall be suspended or the use of such materials shall be discontinued until the decision of the Indian Bank is obtained. The work will from time to time be examined by the Architects, Engineer from the Premises Department of the Indian Bank and the Site Engineer if any. But such examination shall not in any way exonerate the Tenderer from the obligation to remedy any defects which may be found to



on the works. He shall within 24 hours of the occurrence of any accident at or about the site or in connection with execution of the works, report such accident to the Indian Bank and also to the Competent Authority where such report is required by law. Compliance of labour regulations:

20. Dismissal of Workmen

The Tenderer shall on the request of the Indian Bank immediately Withdrawal / remove from works any person employed thereon by him, who may in the opinion of the Indian Bank be unsuitable or incompetent or who may misconduct himself. Such Withdrawal / Remove shall not be the basis of any

claim for compensation or damages against the Indian Bank or any of their officer or employee.

21. Assignment

The whole of the works included in the contract shall be executed by the Tenderer and the Tenderer shall not directly or indirectly transfer, assign or underlet the contract or any part, share or interest therein nor, shall take a new partner, without written consent of the Indian Bank and no subletting shall relieve the Tenderer from the full and entire responsibility of the contract or from active superintendence of the work during their progress.

22. Damage to Persons and Property Insurance Etc.

The Tenderer shall be responsible for all injury to the work or workmen to persons, animals or things and for all damages to the structural and/or decorative part of property which may arise from the operations or neglect of himself or of any sub- Tenderer or of any of his or a sub-Tenderer's employees, whether such injury or damage arise from carelessness, accident or any other cause whatsoever in any way connected with the carrying out of this contract. The clause shall be held to include inter-alia, any damage to buildings whether immediately adjacent or otherwise, and any damage to roads, streets, foot paths or ways as well as damages caused to the buildings and the works forming the subject of this contract by rain, wind or other inclemency of the weather. The tenderer is also responsible for the damages/injury/accidents caused to any public in general / vehicles in general and pay necessary compensation or settlement or whatsoever in this regard.

The Tenderer shall indemnify the Indian Bank and hold harmless in respect of all and any expenses arising from any such injury or damages to persons or property as aforesaid and also in respect of any claim made in respect of injury or damage under any acts of compensation or damage consequent upon such claim.

The Tenderer shall reinstate all damage of every sort mentioned in this clause, so as to deliver the whole of the contract works complete and perfect in every



respect and so as to make good or otherwise satisfy all claims for damages to the property or third parties.

The Indian Bank shall be at liberty and is hereby empowered to deduct the amount of any damages, compensations, costs, charges and expenses arising or accruing from or in respect of any such claim or damages from any sums due or to become due to the Tenderer.

23. Insurance

The Tenderer shall arrange to take "Tenderers all risk insurance policy including third party liability", covering the entire period of contract till virtual completion of the contract (including extended period if any) for the entire scope of works for a risk cover not less than the contract value. The third party insurance shall be for a sum of Rs. 5 Lakh per accident.

The Tenderer shall effect the insurance necessary and indemnify the Indian Bank entirely from all responsibility in this respect. The insurance must be placed with a company approved by the Indian Bank and must be effected jointly in the name of the Tenderer and the Indian Bank and the policy lodged with the latter. The scope of insurance is to include damage or loss to the work and workman due to carelessness accident, including fire, earthquake and floods etc., damage or loss to the contract itself till this is made over in a complete state. Insurance is compulsory and must be effected from the very initial stage.

The Tenderer shall also be responsible for anything which may be excluded from damage to any property arising out of incidents, negligence or defective carrying out of this contract.

Unless otherwise instructed the Tenderer shall insure the works and keep them insured until the virtual completion of the contract against loss or damage by fire and /or earthquake, flood. The insurance must be placed with a company approved by the Indian Bank, in the joint names of the Indian Bank and the Tenderer for such amount and for any further sum if called to do so by the Indian Bank, the premium of such further sum being allowed to the Tenderer as an authorized extra.

The Tenderer shall as soon as the claim under the policy is settled or the work reinstated by the Insurance Company should they elect to do so, proceed with due diligence with the completion of the works in the same manner as though the fire has not occurred and in all respects under the conditions of the contract. The Tenderer in case of rebinding or reinstatement after fire shall be entitled to extension of time for completion as the Indian Bank may deem fit.



24. Accounts, Receipts & Vouchers

The Tenderer shall, upon the request of the Indian Bank furnish them, with all the invoices, accounts, receipts and other vouchers that they may require in connection with the works under this contract. If the Tenderer shall use materials less than what he is required under the contract, the value of the difference in the quantity of the materials he was required to use and that he actually used shall be deducted from his dues. The decision of the Indian Bank shall be final and binding on the Tenderer as to the amount of materials the Tenderer is required to use for any work under this contract.

25. Measurement

All the Measurements should be taken in the presence of Bank officials/ Architects. And the measurements shall be countersigned by the Bank officials.

26. Payments

All bills shall be prepared by the Tenderer in the form prescribed by the Indian Bank / Architects. **Normally one interim bill shall be prepared each month subject to minimum value for interim certificate as stated in these documents.** The bills in proper forms must be duly accompanied by detailed measurements in support of the quantities of work done and must show deductions for all previous payments, retention money, etc.

The Indian Bank/ Architect shall issue a certificate after due scrutiny of the Tenderers' bill stating the amount due to the Tenderer from the Indian Bank and the Tenderer shall be entitled to payment thereof, within the period of honoring certificates named in these documents. In case of delay due to some reasons in the processing of such bills for payment, an advance of 75% of the billed Amount may be paid on the request of the Tenderer for the smooth progress of the work. The amount stated in an interim certificate shall be the total value of work properly executed and 75% of invoiced value of material brought to site for permanent incorporation into the work up to the date of the bill less the amount to be retained by the Indian Bank as retention money vide clause 11 of the general conditions of contract, less TDS, and less installments previously paid under these conditions, provided that such certificate shall only include the value of said material and goods as and from such time as they are reasonably, properly and not prematurely brought to or placed adjacent to the work and then only if adequately protected against weather or other casualties.

The Indian Bank will deduct retention money as per tender conditions.
If the Indian Bank has supplied any materials or goods to the Tenderer, the cost



of any such materials or goods will be, progressively deducted from the amount due to the Tenderer in accordance with the quantities consumed in the work.

All the interim payments shall be regarded as payments by way of advance against the final payment only and not as payments for work actually, done and completed, and shall not preclude the Requiring of bad, unsound, and-imperfect or unskilled work to be; removed and taken away and reconstructed, or re-erected or be considered as an admission of the due performance of the contract, or any part thereof in any respect or the accruing of any claim, nor shall, it conclude, determine or affect in anyway the power of the Indian Bank under these conditions or any of them as to the final settlement and adjustment of the accounts or otherwise or in any other way vary or affect the contract. The final bill shall be submitted by the Tenderer within one month of the date fixed for completion of the work or of the date of certificate of completion furnished by the Site Engineer and payment shall be made after checking the work completely. Payment will be made 75 % against supply of materials & 25 % against erection and commissioning, less statutory deductions.

Indian Bank reserves the right to withhold in part or full payment of bills in case of non-compliance / violation of any terms and conditions stipulated in the agreement. The tenderer shall neither suspend the work nor claim for extension of time for nonpayment /withholding of payment on this account and no interest is also payable on the payment withheld/due.

27. Final Payment

The final bill shall be accompanied by a certificate of completion from the Consultants & Architects. Payments of final bill shall be made after deduction of Retention Money, which sum shall be refunded after the completion of the Defects Liability Period after receiving the Indian Bank's/ Architects' certificate that the Tenderer has rectified all defects to the satisfaction of the Indian Bank/ Architects. The acceptance of payment of the final bill by the Tenderer would indicate that he will have no further claim in respect of the work executed.

The contractor has to submit 2 copies of "As built drawings" of A2 or A1 size and CD duly certified by the Architect to the Bank along with final bill documents. Along with Every bill the contractor has to submit the photographs of the work executed

28. ENHANCEMENT IN RATES AND QUANTITY VARIATION

The tender rates shall be fixed, firm and applicable for any increase or decrease in the tendered quantities. The Employer / Architect can increase or decrease any quantities to any extent or even delete particular item as per the site requirements and the contractor shall not be paid anything extra on this account. Nothing extra will be paid by the Indian Bank on account of omission /deletion of items or decrease in the quantity of items. The Bank shall not entertain any claim whatsoever from the contractor on this account. The price of all additional items / non-tendered items will



be worked out on the basis of rates quoted for similar items in the contract wherever existing. If similar items are not available, the rates for such items will be derived as per standard method of rate analysis based on prevalent fair price of labour, material and other components as required with 15% towards contractor's profit and overheads.

29. UNQUOTED ITEMS

The bidders to offer their competitive rates for each and every item listed in the Schedule of rates, the bidders who have not quoted for all the items as required in the SORs shall be liable for rejection. In case a bidder who has left certain items unquoted and if they happen to be overall lowest on evaluation, then their offers shall be considered subject to the unquoted items being taken as NIL cost. The bidder shall also give a clear undertaking to the effect that they shall execute the said items (unquoted) free of cost. In the event the bidder refuses the above conditions and insists on additional cost for the unquoted items, then such an offer shall be rejected as invalid.

For Extra works at the time of work in progress the contractor should submit the reasonable rate with the rate analysis and after approval given by the Architect/ Bank that amount will be given.

30. ABNORMAL RATES

The Contractor is expected to quote rate for each item after careful analysis of costs involved for the performance of the complete item consisting all specifications and conditions of the contract. If it is noticed that the rates quoted by the tenderer for any items are unusually high (or) unusually low it will be sufficient cause for rejection of the tender unless the owner is convinced about the reasonableness of the rate on scrutiny of the analysis for such rate to be furnished by the tenderer on demand. Notwithstanding anything there in stand, the rate once accepted by the owner shall be final and shall not be subject to any claim either on account of un-workability of rates or on any other ground whatsoever.

31. Substitution

Should the Tenderer desire to substitute any materials and workmanship, he/they must obtain the approval of the Indian Bank/ Architects in writing for any such substitution well in advance. Materials designated in this specification indefinitely by such term as "Equal" or "Other approved" etc. specific approval of the Indian Bank/ Architects has to be obtained in writing.



32. Preparation of Building Works for Occupation and Use on Completion

The whole of the work will be thoroughly inspected by the Tenderer and deficiencies and defects put right. On completion of such inspection the Tenderer shall inform the Indian Bank that he has completed the work and it is ready for inspection. On completion the Tenderer shall clean all windows and doors including the cleaning and oiling if necessary, of all hardware, inside and outside, all floors, stair-cases, and every part of the building. He will leave the entire building neat and clean and ready for immediate occupation and to the satisfaction of the Indian bank.

33. Clearing Site on Completion

On completion of the works the Tenderer shall clear away and remove from the site all constructional plant, surplus materials, rubbish and temporary works of every kind and leave the whole of the site and the works clean and in a workman like condition to the satisfaction of the Indian Bank/ Architects.

The main /Principal contractor is only responsible for the cleanliness of the site/building irrespective of numbers of sub agencies deployed by them to carryout various other works in the tender.

34. Defects after Completion

The Tenderer shall make good at his own cost and to the satisfaction of the Indian Bank all defects, shrinkage, settlements or other faults which may appear within 12 months after completion of the work. In default the Indian Bank may employ and pay other persons to amend and make good such damages, losses and expenses consequent thereon or incidental thereto shall be made good and borne by the Tenderer and such damages, loss and expenses shall be recoverable from him by the Indian Bank or may be deducted by the Indian Bank, in lieu of such amending and making good by the Tenderer, deduct from any money due to the Tenderer a sum equivalent to the cost of amending such work and in the event of the amount retained being insufficient, recover that balance from the Tenderer from the amount retained under General Rules and instruction Special Instruction Clause 5 together with any expenses the Indian Bank may have incurred in connection therewith.

35. Concealed Work

The Tenderer shall give due notice to the Indian Bank/ Architects whenever any work is to be buried in floor / earth, concrete, ceilings or in the bodies of walls or otherwise becoming inaccessible later on, in order that the work may be inspected and correct dimensions taken before such burial, in default whereof the same shall, at the opinion of the Indian Bank/ Architect be either opened up for measurement at the Tenderer's expense or no payment may be made for such materials. Should any dispute or differences arise after the



execution of any work as to measurements etc., or other matters which cannot be conveniently tested or checked, the notes of the Indian Bank/ Architects shall be accepted as correct and binding on the Tenderer.

36. Escalation

The rate quoted shall be firm throughout the tenure of the contract (including extension of time, if any, granted) and will not be subject to any fluctuation due to increase in cost of materials, labour, sales tax, octroi, etc. unless specifically provided in these documents.

37. Idle Labour

Whatever the reasons may be no claim for idle labour, additional establishment cost of hire and labour charges of tools and plants would be entertained under any circumstances.

38. Suspension

If the Tenderer except on account of any legal restraint upon the Indian Bank preventing the continuance of the work or in the opinion of the Indian Bank shall neglect or fail to proceed with due diligence in the performance of his part of the contract or if he shall more than once make default, the Indian Bank shall have the power to give notice in writing to the Tenderer requiring the work to be proceeded within a reasonable manner and with reasonable dispatch, such notice purport to be a notice under this clause.

After such notice shall have been given the Tenderer shall not be at liberty to remove from the site of the works or from any ground contiguous thereto any plant or materials to subsist from the date of such notice being given until the notice shall have been complied with. If the Tenderer fails to start the work within seven days after such notice has been given to proceed with the works as therein prescribed, the Indian Bank may proceed as provided in clause 40 (Termination of Contract by Indian Bank).

39. Termination of Contract by Indian Bank

If the Tenderer being a company go into liquidation whether voluntary or compulsory or being a firm shall be dissolved or being an individual shall be adjudicated insolvent or shall make an assignment or a composition for the benefit of the greater Para, in number of amount of his creditors or shall enter into a Deed or arrangement with his creditors, or if the Official Assignee in insolvency, or the Receiver of the Tenderer in insolvency, shall repudiate the contract, or if a Receiver of the Tenderer's firm appointed by the court shall be unable, within fourteen days after notice to him requiring him to do so, to show to the reasonable satisfaction of the Indian Bank that he is



able to carry out and fulfill the contract, and if so required by the Indian Bank to give reasonable security therefore, or if the Tenderer shall suffer execution to be issued, or shall suffer any payment under this contract to be attached by or on behalf of and of the creditors of the Tenderer, or shall assign, charge or encumber this contract or any payments due or which may become due to the Tenderer, there under, or shall neglect or fail to observe and perform all or any of the acts matters of things by this contract, to be observed and performed by the Tenderer within three clear days after the notice shall have been given to the Tenderer in manner hereinafter mentioned requiring the Tenderer to observe or perform the same or shall use improper materials or workmanship in carrying on the works, or shall in the opinion of the Indian Bank not exercise such due diligence and make such due progress as would enable the work to be completed within due time agreed upon, and shall fail to proceed to the satisfaction of the Indian Bank after three clear days notice requiring the Tenderer so to do shall have been given to the Tenderer as hereinafter mentioned, or shall abandon the contract, then and in any of the said cases, the Indian bank may notwithstanding previous waiver determine the contract by a notice in writing to the effect as hereinafter mentioned, but without thereby effecting the powers of the Indian Bank of the obligations and liabilities of the Tenderer the whole on which shall continue in force as fully as if the Contract, had not been so determined and as if the works subsequently executed had been executed by or on behalf of the Tenderer (without thereby creating any trust in favour of the Tenderer) further the Indian Bank or his agent, or servants, may enter upon and take possession of the work and all plants, tools, scaffolding, sheds, machinery , steam and other power, utensils and materials lying upon premises or the adjoining lands or roads and sell the same as his own property or may employ the same by means of his own servants and workmen in carrying on and completing the works or by employing any other Tenderers or other persons or person to complete the works, and the Tenderer shall not in any way interrupt or do any act, matter of thing to prevent or hinder such other Tenderers or other persons or person employed from completing and finishing or using the materials and plants for the works when the works shall be completed, or as soon thereafter as conveniently may be, the Indian Bank shall give notice in writing to the Tenderer to remove his surplus materials and plants and should the Tenderer fail to do so within a period of 14 days after receipt by him the Indian Bank may sell the same by Public Auction and shall give credit to the Tenderer for the amount so realized. Any expenses or losses incurred by the Indian Bank in get the works carried out by other Tenderers shall be adjusted against the amount payable to the Tenderer by way of selling his tools and plants or due on account of work carried out by the Tenderer prior to engaging other Tenderers or against the Security Deposit.



40. Arbitration

All disputes or differences of any kind whatsoever which shall at any time arise between the parties hereto touching or concerning the works or the execution or maintenance thereof of this contract or the rights touching or concerning the works or the execution of maintenance thereof of this contract or the construction remaining operation or effect thereof or to the rights or liabilities of the parties or arising out of or in relation thereto whether during or after determination foreclosure or branch of the contract (other than those in respect of which the decision of any person is by the contract expressed to be final and binding) shall after written notice by either party to the contract to the other of them and to the Indian Bank hereinafter mentioned be referred for adjudication to a sole Arbitrator to be appointed as hereinafter provided.

For the purpose of appointing the sole Arbitrator referred to above, the Indian Bank will send within thirty days of receipt of the notice, to the Tenderer a panel of three names of persons who shall be presently unconnected with the organization for which the work is executed.

The Tenderer shall on receipt of the names as aforesaid, select anyone of the persons name to be appointed as a sole Arbitrator and communicate his name to the Indian Bank within thirty days of receipt of the names. The Indian Bank shall there upon without any delay appoint the said person as the Sole Arbitrator. If the Tenderer fails to communicate such selection as provided above within the period specified, the competent Authority shall make the selection and appoint the selected person as the Sole Arbitrator.

If the Indian Bank fails to send to the Tenderer the panel of three names as foresaid within the period specified, the Tenderer shall send to the Indian Bank a panel of three names of persons who shall all be unconnected with either party. The Indian Bank shall on receipt of the named as aforesaid select anyone of the persons names and appoint him as the Sole Arbitrator. If the Indian Bank fails to select the person and appoint him as the Sole Arbitrator within 30 days of receipt of the panel and inform the Tenderer accordingly, the Tenderer shall be entitled to appoint one of the persons from the panel as the Sole Arbitrator and communicate his name to the Indian Bank.

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 as aforesaid.

The work under the Contract shall, however, continue during the, arbitration proceedings and no payment due or payable to the Tenderer shall be withheld on account of such proceedings.

The Arbitrator shall be deemed to have entered on the reference on the date he issued notice to both the parties fixing the date of the first hearing.



The Arbitrator may from time to time, with the consent of the parties, enlarge the time for making and publishing the award.

The Arbitrator shall give a separate award in respect of each dispute or difference referred to him. The Arbitrator shall decide each dispute, in accordance with the terms of the contract and give a reasoned award. The venue of arbitration shall be in Chennai only as may be fixed by the Arbitrator in his sole discretion.

The fees, if any, of the Arbitrator 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 who may direct to and by whom and in what manner, such costs or any part thereof shall be paid and may fix or settle and amount of costs to be so paid. The award of the Arbitrator shall be final and binding on both the parties.

Subject to aforesaid the provisions of the "Arbitration and Reconciliation Act 1996" or any statutory modification or re-enactment thereof and the rules made there under, and for the time being in force, shall apply to the arbitration proceeding under this clause.

The Indian Bank and the Tenderer hereby also agree that arbitration under clause shall be a condition precedent to any right to action under the contract with regard to the matters hereby expressly agreed to be so referred to arbitration.

41. Integrity Pact

This Contract will fall under the ambit of "Integrity Pact", as per Bank's/ CVC norms. Integrity pact envisages an agreement between the prospective vendors/bidders and the buyer, committing the persons/officials of both the sides, not to resort to any corrupt practices in any aspect/stage of the contract. Only those vendors/bidders who commit themselves to such a pact with the buyer, would be considered competent to participate in the bidding process. In other words, entering into this Pact would be a preliminary qualification.

The essential ingredients of the Pact include:

- Promise on the part of the Principal (Bank) not to seek or accept any benefit, which is not legally available.
- Principal to treat all bidders with equity and reason.
- Promise on the part of the bidders not to offer any benefit to the employees of the Principal not available legally.
- Bidders not to enter into any undisclosed agreement or understanding with other bidders with respect to prices, specifications, certification, subsidiary contracts etc.



- Bidders not to pass any information provided by Principal as part of business relationship to others and not to commit any offence under Prevention of Corruption/ Indian Penal Code Act.
- Foreign bidders to disclose the name and address of agents and representatives in India and Indian Bidders to disclose their foreign principals.
- Bidders to disclose the payments to be made by them to agents / brokers or any other intermediary.
- Bidders to disclose any transgressions with any other company that may impinge on the anti corruption principle.

Integrity Pact, in respect of a particular contract, shall be operative from the date of Integrity Pact is signed by both the parties till the final completion of the contract. Any violation of the same would entail disqualification of the bidders and exclusion from the future business dealings.

The Details of the Independent External Monitor (IEM) empanelled with the Bank, is as follows:

Shri Brahm Dutt, IAS (Retd) Email- Dutt.brahm@gmail.com	Shri Balraj Joshi Email- balrajjoshi@hotmail.com
---	--

Copy of the Agreement to be executed is enclosed.



SAFETY CODE AND MODEL RULES FOR PROTECTION OF HEALTH AND SANITARY ARRANGEMENTS FOR WORKERS

Safety Measures

All people working shall be provided with safety helmets, safety shoes, goggles, gloves, Safety belts etc., which shall be worn by the workmen while performing work and people working at elevation more than 10 feet shall be always provided with safety belts at contractor's cost. The safety belts shall be properly fixed to a lifeline always while at work. The Contractor shall provide safe means of access to any working place including provisions of suitable and sufficient scaffolding at various stages during all operations of the work for the safety of his workmen. Contractor shall ensure deployment of appropriate equipment and appliances for adequate safety and health of the workmen and protection of surrounding areas.

The Contractor shall ensure that all their staff and workers including their sub-contractor (s) shall wear Safety Helmet and Safety Shoes. Contractor shall also ensure use of safety belt, Protective goggles, gloves etc. by the personnel as per job requirements.

Contractor shall ensure that a proper Safety Net System and shall be used at appropriate locations. The safety net shall be located not more than feet (9.0 meters) below the working surface at site to arrest or to reduce the consequences of a possible fall of persons working at different heights.

Adequate precautions shall be taken to prevent danger from electrical equipment. No materials on any of the sites of work shall be so stacked or placed as to cause danger or inconvenience to any person or the public.

Personal Safety Equipments:

All necessary personal safety equipment as considered adequate by the Engineer should be kept available for the use of the person employed on the site and maintained in a condition suitable for immediate use, and the Tenderer should take adequate steps to ensure proper use of equipment by those concerned.

- a) Workers employed on mixing asphalt materials, cement and lime mortars shall be provided with protective footwear and protective goggles.
- b) Those engaged in white washing and mixing or stacking of cement bags or any material that is injurious to the eyes shall be provided with protective goggles.
- c) Those engaged in welding works shall be provided with welder's protective eyesight lids.
- d) The Tenderer shall not employ men below the age of 18 years and women on the work of painting with products containing lead or any toxic material in any form.



Wherever men above the age of 18 are employed on the work of precautions should be taken:

- iii. Overalls shall be supplied by the Tenderer to the workers and adequate facilities shall be provided to enable the working painters to wash during the cessation of work.
- iv. When the work is done near any public where there is risk of necessary equipments should be provided and kept ready for use and all necessary steps take for prompt rescue of any person in danger and adequate provision should be made for prompt first aid treatment of all injuries likely to be sustained during the course of the work.

First Aid

At every work place, there shall be maintained in readily accessible place, first aid appliance including an adequate supply of sterilized dressings and sterilized cotton wool. The appliance shall be kept in good order and in large work place, they shall be placed under the charge of a responsible person who shall be readily available during working hours.

Electricity & Water

Construction water shall be provided by Bank at one point at the cost of Rs.10000/- per month. The tenderer has to make his own arrangements for electrical power to carry out the work, in view of the Power restrictions imposed by State Electricity Board. If the contractor need power, the same will be provided at one / two points on chargeable basis by having separate energy meters at Rs.10/- per Unit.

Before starting the work the contractor has to submit the Scaffolding drawings and it is to be approved by the Architect/Client.

The Contractor is directly responsible for any accident, injury disableness and other such things that may happen to his workmen during working hours or outside working hours if they happen to be in the work site and that he will pay adequate compensation to such people. And the contractor has to take the full responsibility for these disabilities.

The Contractor will be responsible for any accident or unto ward incident that may happen to any person in the work site or near about due to inadequate safely measures, carelessness, negligence, incorrect procedures, inadequate supervision, improper methods, and that he will attend to all related police enquiry, court attendance and will bear the cost for all such expenses including compensation, if any, to be paid.



ARTICLES OF AGREEMENT

THIS AGREEMENT is made on this day ofmonth of between Indian Bank and having its Corporate Office at No. 254-260, Arvai Shanmugam Salai, Royapettah, Chennai – 600 014 (hereinafter referred to as the "Employer") which expression shall include its successor, legal heirs and assignees of the one part.

AND M/s. having its office at

.....
(hereinafter referred to as the "Contractor") which expression shall include its successor, legal heirs and assignees of the second part.

WHEREAS the Employer has caused drawings and tender documents for 'Structural Repairs, Renovation, Elevation & Painting Works at Indian Bank Head Office Building, 66, Rajaji Salai, Chennai – 600001'

AND whereas the Employer has called for tender vide ref. no. dated.....

AND whereas the contractor has submitted the tender ref. no. dated to the Employer on

AND whereas the Employer has issued the work order ref dated..... to the contractor to do the work.

AND whereas the Contractor has agreed to execute the work as per drawings, specifications, conditions of contract and Work Order.

AND whereas the Employer has accepted the Contractor's tender as aforesaid and whereas the tender submitted by the contractor has been accepted for such sum as may be ascertained to



be payable in terms of the Bill of Quantities and which sum is estimated to be Rs.
(Rupees) hereinafter referred to as the said "Contract Agreement".

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:-

- 1) In consideration of the said Contract Sum to be paid at the times and in the manner set forth in the said Conditions the Contractor shall carry out and complete the Repair & Painting Works in terms and conditions herein contained and according to the general conditions of the contract, notice inviting tender, special conditions of contract, general scope of work, technical specifications, schedule of rates and instructions to be given by and the supervision of and to the entire satisfaction of the Employer.

- 2) **Contract Price, Taxes and Payment Terms :**

Total contract price is Rs. which is inclusive of cost of materials, equipment, installation charges and tools and tackles required for execution of the job. Above price is exclusive of all taxes GST in respect of this contract.

Interim payment will be made as per the site measurements on Item Rate basis.

- 3) **Completion Period:**

Time is the essence of the Contract. The work is to be completed in all respects within **6 Months' time** reckoned from 15th day from the date of issue of the Work Order or handing over of site whichever is later. If the Contractor fails to complete the job within the agreed time period the Contractor will have to bear liquidated damages as per the relevant clause mentioned in the Tender Documents.

- 4) **Earnest Money:**

The Contractor has deposited an amount of Rs. 11,20,000/- (Rs. Eleven lakh Twenty thousand only) as earnest money.

- 5) **Inspection of Site:**

The Contractor has inspected the site before submitting his tender and has satisfied himself as to the nature of the work to be executed on the site. Any difficulties which the Contractor may come across in the course of the work shall in no way relieve the contractor to claim or receive extra payment unless the Employer is of the opinion that such difficulties could not have been foreseen and the Employer consents in writing.

- 6) **Supply of Material and Labour:**

The Contractor shall arrange all labour, materials, equipments, tools, tackles and everything necessary for the completion of the work. The Contractor will assume all responsibility for the safety, protection and accounting of all material and equipment and the work during construction. All materials used by the Contractor shall be of the best

quality conforming to the required specification mentioned in the tender document and will be subject to the approval of the Employer. All such materials not approved by the Employer shall be removed at once by the Contractor at his own expense. The



Contractor shall also at his own expense arrange for carrying out any test of materials which the Employer may from time to time require or if so desired by the employer.

7) **Defective Work / Materials:**

If any part of the work done by the Contractor is found defective in workmanship or if bad or inferior materials have been used the Contractor shall at his own risk and cost demolish all such defective work and rebuild the same and / or replace the bad or inferior materials used within a time frame mentioned to the satisfaction of the Employer. The decision of the Employer in this regard shall be final and binding on the Contractor. In case of default of the contractor to remove the defective work and rebuild the same or replace bad or inferior materials as directed by the Employer, the Employer shall be entitled to employ anyone else to carry out the same at risk and cost of the Contractor and recover all expenses incurred in this regard from the contractor.

8) **Inspection of Work:**

During progress of the work the Employer shall be entitled at all times to have access to and inspect the work.

9) **Supervision:**

The Contractor shall provide one or more competent and technical qualified engineers duly and fully authorized to act on his behalf in all matters relating to the works to be carried out under or any other matter concerning this agreement and who shall at all times be present at the works while any work is in progress as per directions, explanations & instructions of Employer.

10) **Compliance with Statutory Regulations & Work Rules:**

The Contractor shall be responsible for complying with the applicable laws / bye laws / Regulations in force from time to time and shall have to bear all statutory liabilities to the workers / personnel engaged for the job. Nothing will be paid extra in this regard. If any amount is paid by the Employer with this regard the same amount shall be deducted from the Contractor's dues. The Contractor shall have to arrange insurance cover for the workers / personnel engaged by him for the job.

11) **Determination of Contract:**

In the event of Contractor failing to keep / adhere to agreed schedule of work, or in the event of the Contractor failing to comply with the provisions of this contract by default and / or negligence and / or suspension of work or in the event of Contractor failing to complete the work within the stipulated period, the Employer may terminate this Agreement forthwith and employ, at the Contractor's risk and cost, another contractor or sufficient number of workmen to complete the work.

12) **Force Majeure:**



This clause will be operative only if the work is delayed by

- a) Acts of God
- b) Earthquake or floods or similar natural calamities.
- c) Serious loss or damage by fire or lightning.

In case any Force Majeure condition herein mentioned occurs and continues for a period exceeding 15 days the parties hereto undertake to sit together and devise ways for expeditious and proper performance of the obligations of the parties under this order.

13) **Arbitration:**

" In the event of any dispute or difference relating to interpretation and application of provisions of the contract and all disputes/claims whatsoever which shall either during the continuance of the contract or afterwards either between the parties to the contract or the respective representatives touching the construction/application of any provision/clause mentioned in the contract or any account or liability between the parties to the contract or as to any act or deed or omission of any party to the contract, in any way relating to these presents, shall be first at the discretion of the Bank attempted to be resolved in good faith by mutual discussion within 30 days of the dispute or question being raised failing which the same shall be settled by arbitration in accordance with provisions of Indian arbitration and Conciliation act 1996.

The Parties concerned shall designate an arbitrator on mutual consent/consensus. In the event of no consensus being arrived, an Arbitral Tribunal shall be constituted comprising three Arbitrators, each party appointed one arbitrator and a third arbitrator to be appointed by the two arbitrators so appointed by the parties. The venue of the arbitration shall be exclusively at Chennai and any award passed by arbitrator or the arbitral Tribunal shall be final, conclusive and binding upon the parties and shall be deemed to have been made between parties themselves. The parties to the dispute shall share equally the cost of arbitration as intimated by the arbitrator".

IN WITNESS whereof the said contracting parties have set their hands and seals on the day and year first hereinabove witness.

Witness Address

Employer

Witness Address

Contractor



TECHNICAL SPECIFICATION

Corian® Design Exterior Cladding Specification Text:

Supply Corian® Design Acrylic Solid surface (Fr grade) of the color as specified by the architect in drawings and made as per ISO 19712-2. Acrylic Solid surface should be a Nonporous, homogeneous material composed of at least 30% acrylic polymer and 58% Aluminum trihydrate. Corian Design Acrylic Solid surface shall be of 12mm thickness. The Corian Design Solid surface should be confirming to the Fire rating of B, S1, D0 for European EN-13501 and a rating of Class O as per BS 476 (part6 and part 7). The material should have a specific gravity of 1.7 and UV resistance equivalent of $\Delta E < 5$ for a 10 year exposure. The Material should come with 320 grit factory Finish.

Fabrication of panels: The Fabrication of the panels to be done in accordance to the technical guidelines as specified in the product bulletin. Corian® Design Acrylic solid surface sheets should be cut, thermoformed (if required by design), pasted and finished with proper reinforcement at the joints. The panels should have provision for overlapping joints (as specified in Tech bulletin) moving from left to right and top to bottom. Proper provisions should be made for the material to take metal anchor fasteners at locations decided on the basis of wind load and structural factors or as specified by the façade / structural consultant. 3" Brackets of section 989 or similar sections should be prefixed to the panels with the help of Keil or given metal anchor fasteners (as specified by the manufacturer) at the locations provisioned for the same on the panel. The manufacturer to provide a warranty of 20 years from the date installation on Corian® Design Solid surface on manufacturing defect and UV stability.

Installation: A frame work Grid of not more than 730mm x 650mm consisting of vertical Aluminum T /Box sections of dimensions as specified by the Architect / structural consultant and section 989 (a special C section) shall be prepared over the entire surface of the Façade wall (Exterior cladding needs to be done). The Prepared panels are then put across the framework in such a way so as to have overlap joints in top down and left-right directions. Check for alignments and finish minor glitches wherever remaining.



Measurement: For the purpose of measurement the measurement of actual Panel sizes are taken in to consideration. Design and cutting wastages to be defined and show separately as part of the working and shop drawings.

Note: The contractor must present a verifiable **structural calculation through a qualified structural consultant** and construction drawings before installation begins for Architects approval.

A **static calculation** must be shown for the panel dimensions, fasteners, connectors, substructure, wall brackets, and anchoring. Wall brackets are designed with both fixed and flexible points to allow for thermal expansion of the profile.

Suitability of other fasteners other than Keil must be shown with a certification. The Number and location of fasteners should be basis the structural Consultant / architects input. The facade structure must be build according to the construction details.

The thermal expansion of the panels must be taken into consideration. In order to avoid tension and possible cracking, the expansion gap (joint width) in the panel must be as large as the expected expansion (rule of thumb: 3mm / meter of panel in all directions) and an air gap of 20 mm minimum should be kept to accommodate insulation and sub framing.

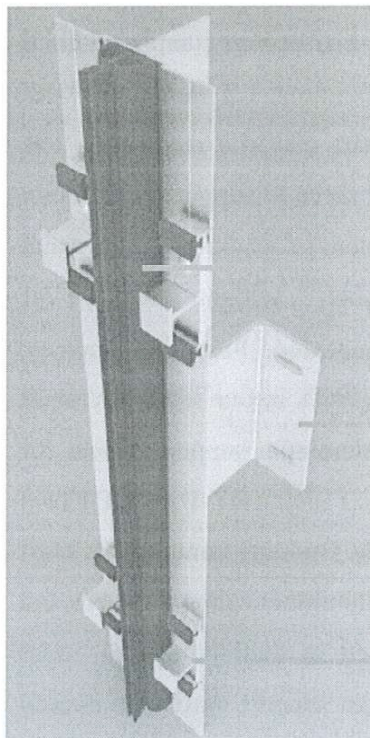
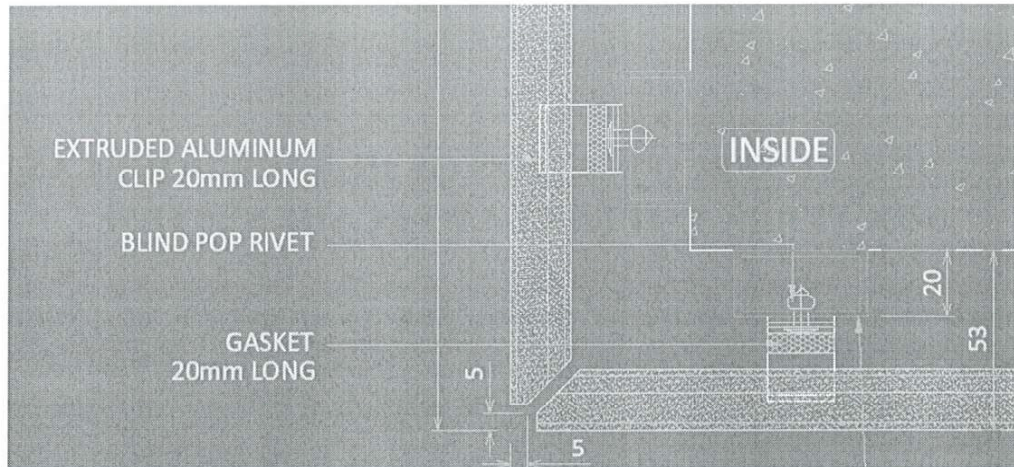


TECHNICAL SPECIFICATION OF HUNTER DOUGLAS NBK TERRA COTTA CLAY FACADE SYSTEM

Supply & Installation of Hunter Douglas NBK Terra Cotta clay tiles NBK TERRART-LIGHT double-leaf, **18 mm** thickness (Maximum Length: **1200 mm**, Maximum Height: **300 mm**), back ventilated, with self-draining open joint system. Tiles shall be of Standard Terracotta Color and finish, Double-leaf construction and have labyrinth top and bottom returns to prevent easy water excess behind tiles.

NBK aluminum support system: Aluminum rectangular box of size 100mm width X 35mm depth and 30mm width X 25 mm Width, Minimum 1.2 mm thick with gaskets, tile clips and PVC Track for **NBK Terra Cotta** clay tile elements. The aluminum box system with gaskets, and tile clips, shall serve to support Terra Cotta Pure Natural Clay tiles and drain rainwater. Design system to accommodate thermal movement. **NBK** Terracotta tiles must be **removable**, without breakage or disruption to adjacent tiles. Tile clips must be **concealed**. Fastening devices: stainless steel screws, Anchor fasteners, nut & bolt are NOT in our scope and shall be provided by the installer. The basic design of the aluminum support system for **NBK TERRART-LIGHT 18 mm TILES** and **NBK TERRART-BAGUETTES** must be based upon the open ventilated façade **principle**. Building components must be designed to accommodate imposed loads from the aluminum support system and terra cotta tile. Building components must be designed so their deflection under imposed loading will not cause deflection of aluminium support system to exceed specified tolerances. System mentioned below for reference, Accessory sizes mentioned in Image is only for reference.





Extruded Aluminium Vertical T- Tracks to be replaced by Aluminium Box Section of 100 X 35 and 30 X 25 . Thickness to be minimum 1.2 mm

Vertical PVC Block of Length 4500 mm.

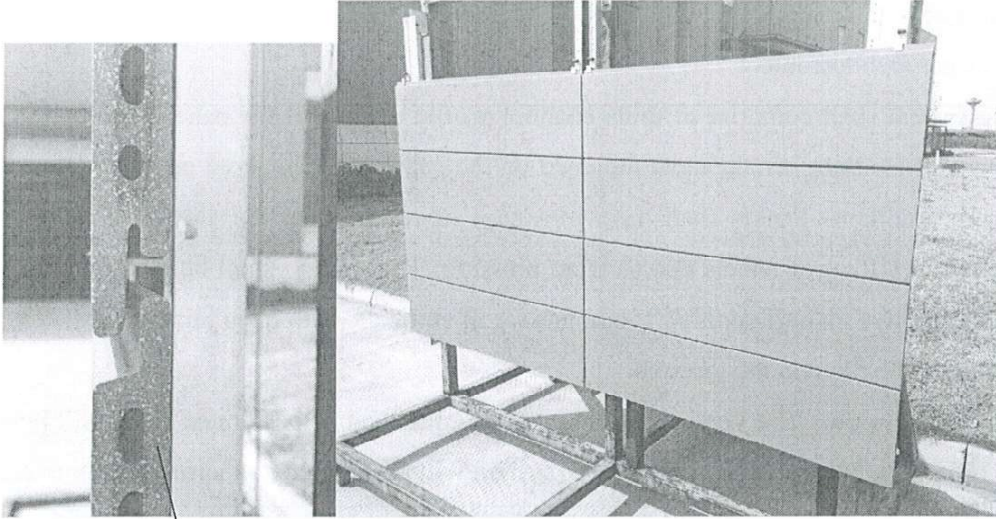
Extruded Aluminium Wall Bracket Specification:

- Alloy: 6063 T5
- Size: (100 / 120) X 90 X 50 X 2 mm.
- Length: 100 mm or 120 mm.
- Anodized

Extruded Aluminium Clip Specification:

- Alloy: 6063 T5
- Anodized.
- Terracotta Holder Clip





NBK Terracotta Tile 18 mm Thick
 of Size 300 mm X 1200 mm

ALUMINIUM PERFORATED PANEL

Supply and Fixing NDD/MC-03/SDPC Aluminium Solid Perforated Sheet cladding in open joint system. Using grid work of prefabricated aluminium extruded sections of Alloy 6063 T6 with stand the design wind pressure confirming to IS -875 part III. The fastening brackets of Aluminium alloy 6063 T6 with serrations and serrated washers to arrest the wind load movement with SS 316 Pins, fasteners and anchor bolts of Hilti / Mungo / Powers or approved equivalent make. Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification

and drawing in conjunction with BOQ. The design & pattern of the perforations shall be as per architect intent

The system shall comprise of drain channel profile to support the panel hooking by means of Hooking arrangement mounted on the panel and pins fixed on the channel profile mullions. Panels shall have provision of restraint on top side of panel to prevent uplifting of panels due to wind pressure. The panel shall be designed for 15mm groove in horizontal & 15mm groove in verticals with open joint system. No sealant to be filled in the grooves.

Support System: The vertical mullion carrying the load of perforated sheet will be of 125 mm x 50mm . NDD frame work system will accommodate thermal movement . The support system will be Alodine finish .

Perforated sheet of NDD will be special sheet with labyrinth top and bottom returns to have easy with lock for open joint system. NDD sheet will be of 3mm thick and finished with SDPC of conforming to AAMA 2605 on both sides . The sheet will be fixed to main frame with special stainless screws (NDD/MC-03/SDPC) with open groove as per Architect Intent .

System Description: Mullion: 125 x 50 special design mullion with rebate to accommodate perforated sheet (NDD/MC-03/SDPC)

Perforated Sheet : 3mm thick Aluminium Solid sheet Sheared and perforated and surface finish conforming to AAMA 2605 (NDD/MC-03/SDPC)

System : Contractor shall be responsible to determine the maximum design wind pressure and lateral forces, moments, stresses etc. applicable for the system . Negative / suction pressures if determined as per IS 875 and Lateral forces as per code IS 1893 shall make allowances as described in the code for corner effects on the system. System shall be designed with Air Pressure equalization chamber and concealed continuous gutter vertically and horizontally at all levels as self drainage barrier to achieve water tightness besides providing EPDM Gaskets on the frame and EPDM Gasket / Sealant on the external groove as air and water barrier.

Movement: System shall be designed to accommodate movement due to any force including lateral/dynamic pressure movement, horizontal & vertical building movement panels and on the framing system with support brackets, gaskets and fastening devices. System shall be designed to accommodate the size and shape of



the glass panel as per the approved drawings including approved modifications as may be required during execution as well as all other incidental forces and stresses likely to be experienced under service conditions, i.e. Lateral force, Dead weight and Thermal expansion due to building movement both vertical and horizontal etc. Extruded aluminum alloy shall be 6063 T5 conforming to IS 875 Part III, finished with approved colour and grade Architectural quality electrolytic colour anodic coating of approved colour conforming to IS 1868.

Sealing: Design bite and thickness of structural sealant to withstand 3 times of the stress caused by the design wind pressure specified above and to ensure the same, the design calculation of sealant manufacturer shall be submitted along with shop drawing. Necessary materials as proposed in the shop drawing such as Extruded member with finish, glass and any other material required by the Sealant manufacturer shall be supplied to them to carryout the test as per relevant codes & standards in order to validate the bite and thickness designed by them. Contractor shall obtain the test certificate from Sealant manufacturer and submit the same along with shop drawing and supported by the copy of relevant codes and standards. Contractor shall ensure that the bite and thickness of sealant as designed & determined by calculation, verified and tested by Manufacture's is followed in the shop drawing and the same shall be adopted for the glazing at factory after the approval of shop drawing. Field test shall be conducted for adhesion of sealant with in the quoted rate.

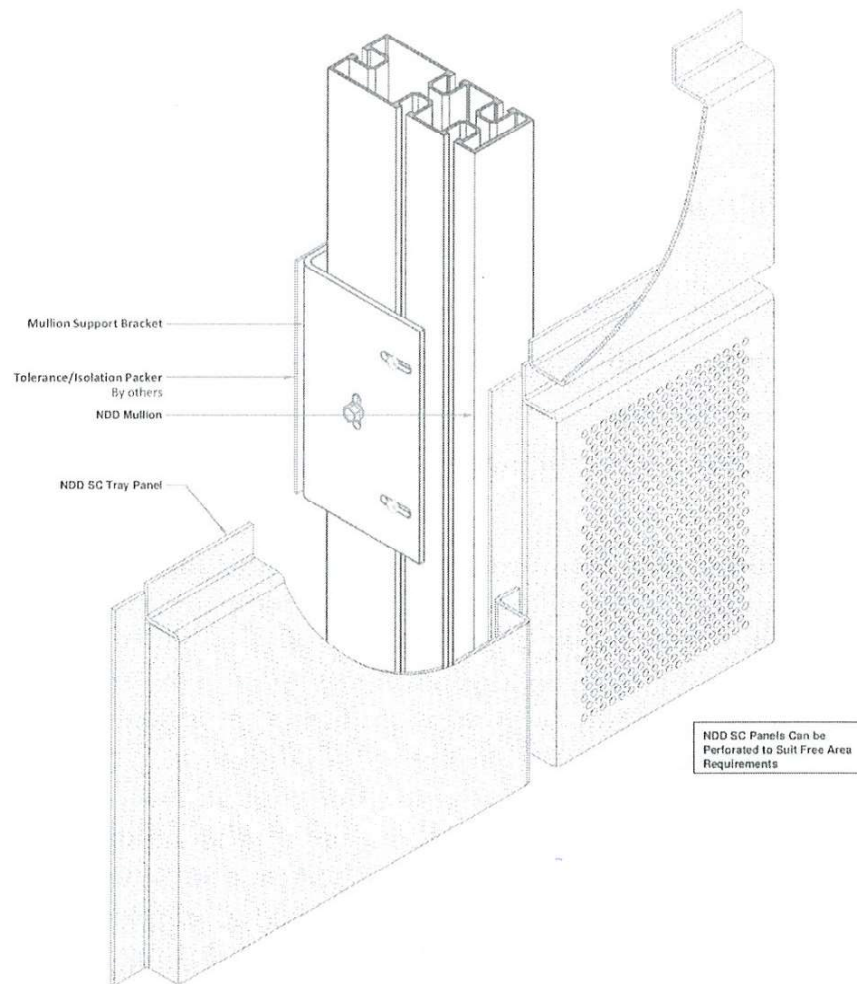
- i) Structural sealant shall be DC 995 (one part) or DC 983 (Two part) of Dow corning make or approved equivalent.
- ii) Non-Structural (weather) sealant shall be DC 991 HP of Dow corning make or approved equivalent. Field Sealants:
 - i) Structural Sealant shall be DC 995 (one part) of Dow corning make approved equivalent.
 - ii) Non-Structural (weather) sealant shall be DC 991 HP of Dow corning make or approved equivalent.

System Supports: Providing and fixing the supporting system with Brackets / Clamps including fastening straps, nuts, bolts, rivets, washers etc. as per design requirement and as per approved shop drawing. Brackets / Clamps shall be of hot dip



galvanized steel and fastening materials shall be Non - magnetic Stainless steel 300 series - 316 grade of Hilti make or approved equivalent. Galvanizing thickness shall be in accordance with IS 2629 and 4759. Providing and fixing serrated plates or serrated washer wherever required as per the system requirement and as shown in the approved shop drawing. Shim thickness beyond 20mm is not permitted. Shims shall be similar material, preferably with aluminum, not more than 20mm thick and if the variation is beyond 20 mm, the bracket shall be designed accordingly with fastener.





ALUMINIUM GLAZED DOORS/WINDOW/VENTILATORS

General

Aluminium glazed doors/window/ventilators shall be of specified sectional size, dimension and profile as per drawing.

Materials

All Aluminium sections shall be extruded sections of "INDAL" aluminium alloy as per IS:733 and IS: 1285. Aluminium sections shall be anodized as per IS: 7088 or electrostatically powder coated to min. 25 microns as specified. Glass used for glazing shall be of following types as specified.

- A. 5.5 mm thick wired glass conforming to IS: 5437.
- B. 6.3 mm thick laminated safety glass conforming to IS: 2553.
- C. 5.5 mm thick transparent sheet glass conforming to IS: 2835

Workmanship

Frames shall be square and flat, the corner of the frame being fabricated to true right angles. Details of construction of frames, shutters etc. shall be as per drawings.

Side hung window shutters shall be fixed to the frame with pivots, or aluminium alloy friction hinges. For fixing the hinges, slots shall be cut in the fixed frames and the hinges inserted inside may be riveted to the frame. The handles for side hung shutters shall be of cast aluminum conforming to IS designation A-5-M of IS:617 and shall be mounted on a handle plate riveted to the opening frames. The handles shall have same finish as that of the window sections. The handles shall have a two point nose which shall engage with an aluminum striking plate on the fixed frame. The striking plate shall be finished in the same manner as for the handle.

In case of top hung shutters, aluminum alloy cast hinges and peg stays shall be provided.

Centre hung shutters shall be hung on the two pairs of cup pivots of aluminum alloy of IS designation NS-4 of IS 737 and IS designation A-5-M of IS:617 or chromium/cadmium plated brass/bronze cup pivots riveted to the outer and inner frames to permit to swing through an angle of 85°. Cast aluminum (conforming to IS designation A-5-M of IS:617) or chromium/cadmium plated bronze spring catches shall be fixed in the centre of the top bar of the shutter. The spring catch shall be secured to the frame by screwing/riveting to the frame and shall close into aluminum catch plate riveted/welded to the outside of the outer shutter frame bar. Aluminium or cadmium plated brass chord pulley wheel in an aluminum bracket shall be fitted at the sill of the shutter with Aluminum or galvanized/cadmium plated steel screws.



The door shutters shall be fixed with pivots as specified. The handles for doors shall be of Aluminum and as per design. The door shutters shall be provided with locking device, floor spring, door closer and any other hardware as specified.

In case of composite Door/window/ventilator units, the units shall be coupled as per drawing. Weather bar shall be provided whenever a coupling member is fitted over an external opening shutter.

Glazing shall be fixed to the extruded sections by means of extruded aluminum beading. Glass panes shall be provided with EPDM gasket/rubber lining before fixing.

The aluminum frames shall be fixed to the masonry by means of aluminum lugs fixed to the frame (by counter sunk brass machine screws) and grouted with M-15 grade concrete in the hole in the masonry as per drawing.

In case of concrete wall, the frames shall be fixed by 96 mm long, 12 mm dia metallic dash fasteners. Any steel material coming in contact with aluminum shall be galvanized.

The windows/ventilators shall be checked to ensure smooth operation, perfect level and plumb.

MEASUREMENT & RATE

Measurement & rates for item rate tender shall be on Sq.M basis as per item description. Area shall be measured correct upto two places of decimal. Dimensions shall be measured correct upto 0.5 cm.

A composite unit of various designations shall be first measured over all as a unit of predominant designations and measurement for remaining designations shall be deducted from the overall measurement of the composite unit in order to arrive at the quantities for various designations. Mullions/Transoms/Coupling bars etc. at the meeting points of various designations shall be equally distributed to all such designations for measurement and rates.

Rate shall include cost of all materials, specified hardwares, labour, erection, hoisting, scaffolding, removal of scaffolding, protective measures, conveyance, handling, loading/unloading, storing etc. required for proper completion, of the item of work in accordance with the specification.



STANDARD SPECIFICATION FOR SANITARY FITTINGS & FIXTURES CONTENTS

- 1.0 GENERAL
- 2.0 SANITARY FITTINGS
- 3.0 INDIAN TYPE WATER CLOSET
- 4.0 WASH DOWN TYPE WATER CLOSET
- 5.0 URINALS
- 6.0 WASH BASINS

GENERAL

Reference shall be made to the following Indian Standards for any further information etc. not covered in the specification. In case of any conflict/contradiction provisions of specification shall override.

IS-25S6 Specification for Vitreous Sanitary appliances (Vitreous-China. Part 1-15).
IS-774 Specification for Flushing Cistern for Water Closets and Urinals.
IS-781 Specification for Cast copper alloy screw down bib taps and stop valves for water services.

IS-2064 Code of Practice for Selection. Installation and Maintenance of Sanitary appliances.

SANITARY FITTINGS

All glazed earthen ware shall be of approved make, colour and of one piece construction. All metallic fixtures like taps, stop cocks, soap holders etc. shall be CP brass and approved make. All wall fittings shall be fixed with nylon sleeve and CP brass screws and washers.

WASH DOWN TYPE WATER CLOSET

Wash down water closet shall be of pattern-1 conforming to IS:2556 Part-II. Water Closet shall be of one piece construction. This shall be fixed with plastic seat and cover as per IS:2548 of approved make, fixed with CP brass hinges and rubber buffers and an integral 100 mm dia 'S' or 'P' trap with anti syphonage vent horn.



A low level earthenware cistern conforming to IS:774 of about 10 litres capacity, with 15mm dia PVC inlet pipe and brass union with wiped solder joint, internal overflow arrangement. 40 mm dia CP brass flushing pipe. MS supporting brackets shall be fixed with the water closet. The closet shall be fixed firmly in the floor with matching cement mortar. All exposed metallic surfaces shall be painted with two coats of synthetic enamel paint of approved quality over a coat of primer. The clearance between top of pan and bottom of cistern shall not exceed 300 mm.

Rate quoted for item rate tenders shall include providing and fixing of all fittings, breaking floors and wall, making good the same, making inlet and outlet connection to the cistern and the closet, testing of joints, painting the exposed metallic surface with two coats of white enamel paint over a coat of primer etc. complete.

URINALS

Half stall type urinal shall be conforming to IS:2556 Part VI. Urinals shall be of single piece construction with integral flushing box rim. These shall be mounted on walls. The flushing inlet pipe shall be of CP brass 15 mm dia and waste pipe 32 mm dia GI, 750 mm long shall be embedded in wall. Necessary unions and CP bottle trap shall be provided in the waste line. Rawl plugs with CP brass screws shall be used for fixing the urinal. Fixing shall ensure that no liquid is left over in the pan after flushing. Unless otherwise indicated height above finished floors shall be 600 mm. Urinals shall be connected to glazed earthenware automatic flushing cisterns either individually, or in groups. Where individually connected to flushing cistern, the cistern capacity shall be 5 litres. For two urinals, one cistern of 10 litres capacity and for three urinals, one cistern of 15 litres, capacity shall be provided. Cistern inlet shall be 15 mm dia PVC pipe with brass union. Outlet pipe from cistern shall be 25mm CP brass main, with 15 mm CP distributor pipe of sufficient lengths to reach each bowl. Where individual cisterns are provided the outlet shall be of 15 mm CP brass. Rate quoted for item rate tenders shall include cost of urinals inlet and outlet pipes, flushing cistern, breaking and making good the walls and flooring, making inlet and outlet connections, painting exposed brackets and GI pipes etc.

WASH BASINS

This shall be flat back wash basin with one tap hole conforming to IS: 2556 Part-IV. Wash basins shall be of one piece construction including a combined overflow having an area of not less than 5 Sq. cm. shall be provided in the front or back of the bowl and it shall be so designed as to facilitate cleaning of the overflow. This shall be fitted on CI or MS brackets. Brackets shall conform to IS: 775. The brackets shall



be given two coats of synthetic enamel paint or aluminium paint, over a coat of primer.

The wall side shall be fixed well flushed with the plaster or wall and the joint if any, shall be properly stopped with an electrometric sealant. One CP brass pillar cock, PVC connecting pipe with brass union, a CP brass bottle trap with union. CP brass chain and rubber PVC stopper, 32mm dia GI waste pipe shall also be supplied and fitted with the wash basin and embedded in the wall. The top of rim of the wash basin shall be fixed at 800 mm above finished floor level, unless otherwise specified.

Rate for item rate renders shall include provision and Fixing of wash basin with all accessories, providing stop cocks and pillar cocks, breaking and making good walls, fixing and making inlet and outlet connections for stop cock, pillar cock and waste pipe, providing & fixing MS brackets painted as mentioned above etc. complete.



STANDARD SPECIFICATION FOR WHITE WASHING, COLOR WASHING, DISTEMPERING, PAINTING AND POLISHING CONTENT

- 1.0 General
- 2.0 White Washing
- 3.0 Colour Washing
- 4.0 Dry Distempering
- 5.0 Oil Bound Distempering
- 6.0 Water Proof Cement Paint
- 7.0 Plastic Emulsion Paint
- 8.0 Acrylic Copolymer aggregate Finish
- 9.0 Painting of Wood Work
- 10.0 Painting of Steel and other Metal Surface

GENERAL:

Reference shall be made to the below Indian Standards for further information etc, not covered in the specification. In case of conflict / contradictions provisions of the specification shall over ride.

IS 6278	Code of practice for white washing and color washing.
IS 2395	Code of practice for painting concrete, masonry and plaster surfaces
IS 712	Specification for building limes
IS 55	Specification for Ultramarine blue for paints
IS 63	Specification for whiting for paint and putty
IS 427	Distemper (dry) color as required
IS 428	Distemper (Oil Bound), color as required
IS 5411	Specification for plastic Emulsion paint for interior use
IS 2338	Code of practices for finishing of wood, and wood based materials
IS 5410	Cement paint, color as required
IS 2524	Code of practice for painting non ferrous metals in buildings
IS 384	Brushes, Paints and varnishes, flat
IS 486	Brushes, sash, tool for paints and varnishes
IS 110	Ready mixed paint, brushing, grey filler enamels for use over primers
IS 426	Paste filler for color coats
IS 345	Wood filler, transparent liquid
IS 3585	Ready mixed paint, Aluminium brushing priming water resistant for woodWork
IS 426	Paste filler for color coats.
IS 106	Ready mixed paint, brushing, priming for enamels for use on metals.

All materials requires for the execution of painting work shall be obtained direct from approved manufactures and shall be brought to the site in makers drums, bags etc with seals unbroken.



In case of ready mixed paints, thinning if necessary the brand of thinner shall be as per recommendations of the manufacturer.

Paint shall be applied by brushing or spraying. The brushing operations are to be adjusted to the spreading capacity advised by the manufacturer. During Painting, every time after the paint has been worked out of the brush bristles, the bristles shall be opened up by striking the brush suitably.

Spray machine used may be of high-pressure type or low pressure depending on the nature and location of work. After work, the brushes shall be completely cleaned of paint and shall be hung in a thinner if intended to be used afterwards. The spray guns shall be cleaned thoroughly after every break in work. The paint containers, when not used shall be kept close and free from air.

After the finishing of work, the adjacent surfaces not intended to be washed / distempered / painted / polished, shall be thoroughly cleaned of all paint parches and shall be finished in accordance with surface finishing of such surfaces.

WHITE WASHING

White washing in general shall conform to IS 6278

Workmanship

Scaffolding

Wherever scaffolding is necessary, it shall be erected in such a way that as far as possible no part of scaffolding shall rest against the surface to be white / color washed. For white washing of ceiling, proper stage scaffolding shall be erected.

Preparation of surfaces

The surface shall be thoroughly cleaned of all dirt, dust, mortar dropping and other foreign matter before white wash is to be applied. Surfaces already white / color washed shall be broomed down to remove all dust, dirt loose scales of lime wash or other foreign matters.

All damaged portions of the surface plaster shall be removed to full depth of plaster in rectangular patches and plastered again after raking the joints in masonry properly. Such portions shall be wetted and allowed to dry before any operation. All holes, Cracks, Patches etc. not exceeding 0.1 sq.m. in area shall be made good with material similar to that of the surface. Surfaces affected by efflorescence, moss, fungi, algae, lichen etc. shall be treated in accordance with IS: 2395.



Preparation of White Wash

Application

White wash shall be applied with “MOONJ” brush to the specified number of coats. The operation for each coat shall consist of stroke of the brush from the top to down wards. Another from the down to upward over the first stroke. Similarly one stroke horizontally from right and another stroke from the left. Each coat shall be allowed to dry before the next coat is applied. The white washing on ceiling should be done prior to that on walls.

Protective measures

Surfaces of doors, windows, floors etc., which are not to be white washed, shall be protected from being splashed upon. Such surfaces shall be cleaned of white wash splashed if any.

EMULSION PAINTING

Workmanship

Scaffolding

Wherever scaffolding is necessary, it shall be erected in such a way that as far as possible no part of scaffolding shall rest against the surface to be white / color washed. For white washing of ceiling, proper stage scaffolding shall be erected.

Preparation of Surface

Preparation of surface shall in general be in accordance with clause no. 4.1.2 except that any unevenness shall be made good by applying putty made of plaster of Paris mixed with water including filling up the undulation and then sand papering the same after it is dry.

Preparation of Paint

Plastic emulsion paint shall conform to IS: 5411 (Part-1) and shall be of approved shade. Preparation of paint shall be as per manufacturer's instruction.

Application of Paint

The paint mix shall be continuously stirred while applying for maintaining uniform consistency. Number of coats shall be as specified. The painting shall be laid evenly and smoothly by means of crossing and lying off. The crossing and lying off consists of covering area with paint. Brushing the surface hard at first, then brushing alternatively in opposite direction 2 to 3 times and then finally brushing



lightly in a direction at right angles to the same. In this process, no brush marks no hair marks no clogging of paint puddles shall be permitted. The full process of crossing and laying off will constitute one coat. The paint shall be applied by means of brush or roller.

Before starting painting with plastic emulsion paint the prepared surface shall be treated with two coats of primer consisting of cement, primer, whitening and plastic emulsion paint shall start only after the preceding coat has become sufficiently hard to resist brush marking.

Subsequent coats of plastic emulsion paint shall also be started after the preceding coat is dried by evaporation of water content. The surface on finishing shall present a flat velvety smooth finish even and uniform shade without patches marks paint drops etc.

Precautions

Brushes shall be quickly washed in water immediately after use and kept immersed in water during break periods to prevent the paint from hardening on the brush. Old brushes if used shall be completely dried of turpentine / oil paints by washing in warm soap water.

No oil base putties shall be used in filling cracks / holes.

Washing of painted surface shall not be done within 3-4 weeks of application.

Protective Measures

Surfaces of doors, windows, floors etc., which are not to be white washed, shall be protected from being splashed upon. Such surfaces shall be cleaned of white wash splashed if any



STRUCTURAL TREATMENT

SikaTop® -122 HS

Polymer modified one component repair mortar for hand and machine application

SikaTop® -122 HS is a pre-batched one component polymer modified repair mortar.

Concrete:

The concrete shall be free from dust, loose or friable material, surface contamination or other materials which reduce bond or prevent suction or wetting by repair materials.

Steel Reinforcement:

Rust, mild scale, mortar and concrete residues, dust and other loose or friable material and other contamination which reduces bond shall be removed.

Substrate Preparation

Concrete:

Delaminated, weak, damaged and deteriorated concrete and where necessary sound concrete shall be removed by suitable mechanical or very high pressure water-blasting techniques (up to 110 MPa).

Tie wire fragments, nails and other metal debris embedded in the concrete should be removed. The edges around areas of concrete removal should be angle cut at a minimum of 90° to avoid undercutting and a maximum angle of 135° (with the top surface of the adjacent sound concrete), to reduce the possibility of de-bonding. They should then be roughened sufficiently to provide a mechanical key between the original material and SikaTop® -122 HS repair mortar.

Ensure sufficient concrete is removed from around embedded or exposed steel reinforcement to allow application of the anti corrosion coating when required and adequate compaction of the repair material.

Steel reinforcement:

Surfaces should be prepared using abrasive blast cleaning techniques or high pressure water-blasting techniques (up to 60 MPa) or by applying Sika® Rust off 100 to remove rust (Refer to the relevant Product Data Sheet) Where exposed



reinforcement is contaminated with chlorides or other material which may cause corrosion, the reinforcement should also be cleaned by low pressure water-blasting (up to 18 Mpa)

Bonding primer:

On a well prepared and roughened substrate a bonding primer is generally not required. When a bonding primer is not required pre-dampen the surface to a saturated surface dry condition. The surface should not be allowed to dry before application of the concrete repair mortar. The surface should have a darkened matt appearance without glistening and the surface should not have free-standing water.

When a bonding primer is necessary, apply Sika® Latex / Sikadur® 32 LP / Sika® Hibond/ SikaTop Aramtec 110 EpoCem bond coat - (Refer to the relevant Product Data Sheet). Pressed well on to the substrate. In all cases, subsequent application of the repair mortar should be done 'wet on wet'.

Measured 'pull off' values - Structural Repairs minimum value 1.2 - 1.5 MPa; Non Structural repairs minimum value 0.7 MPa (Dependent on the strength of the concrete being repaired).



APPROVED MAKE OF MATERIALS		
Sl No	Materials	Brand
1	Cement PPC / OPC Grade 43 / 53	ACC, Ultratech, Coromandel, Ramco, Dalmia, Maha, Bharathi
2.	Sand	M Sand. For Structural Repairs only River Sand to be used.
3	Steel / MS Sections	Sail / Vaisak / Jindal / TATA tisco
4	AAC blocks	Xtralite from Ultratech, Aerocon from HIL, Siporex India limited, Kamcrete
5	Water proofing material	Fosroc / Pidilite / Sika/Dr.Fixit
6.	Aluminum Perforated panel	N Dot Dorwin /Artzinium make /Fameline make / Hunter Douglas make
7.	Corian cladding	Dupoint, LG
8.	ACP Cladding	Aludecor, Eurobond and Alstone.
9.	Vitrified Tiles	Asian, NITCO, RAK, Kajaria
10.	Glazed Ceramic Tiles	NITCO, RAK, Kajaria, Somany, Asian
11.	Paint/primer/oil bound distemper Acrylic paint	Asian / Dulux / Nippon Equivalent
12.	Synthetic enamel paint	Berger, Nerolac, Asian, ICI,Nippon
13.	Cement based wall putty	JK wall putty, Birla wall case, Asian Paints,
14.	Acrylic textured plaster	Asian / Dulux / Nippon and Equivalent
15.	Aluminium Systems / Anodized aluminum sections.	Jindal / Indal or Equivalent
16.	Polymer (PMM) / Acrylic Coating.	Constrochem India Pvt Ltd / Pidilite
17.	Corrosion Treatment	Constrochem India Pvt Ltd.



18.	Elastomeric Paint	Asian Paint / Constrochem India Pvt Ltd / Pidilite / Sunanda / BASF / STP.
19.	Apex Paint	Asian, Berger, Nerolac, Nippon
20.	Plumbing (UPVC, PVC, CPVC)	Supreme / Prince/Astral/Finolex
21.	Vitreous W.C. pans / wash basins	Hindware, Parryware
22.	Water supply fixtures / fittings like CP bib cocks, etc	Jaquar, Parryware,
23.	CPVC pipe and fittings	Supreme, Astral, Finolex, Prince.
24.	UPVC pipes	Supreme, Astral , Finolex,
25.	Strip light	K-lite, Phillips, Crompton
26.	Flood light	K-lite, Phillips, Crompton

All materials used shall be approved by the Client prior to use.

P. S : It will be Contractors responsibility to provide Test Certificates from each manufacturer, specifying clearly Batch No , date of Manufacturing etc. However if any doubt arises about the quality of a particular material brought to site, Bank may directly take the samples and get them tested in any laboratory and the cost towards testing to be borne by the Contractor. If material found to be of inferior / substandard quality, Contractor at his own cost shall remove such material from the site and procure new material as required.



[A] CHECK LIST: Details of Enclosures.

Sl.No	Description of item	Enclosed Page. no
1.	Tender Document including Letter of Proforma A	
2.	Audited Balance Sheet and Profit & Loss statement for the past three financial years duly certified by a Chartered Accountant.	
3.	Solvency certificate by a Scheduled Bank	
4.	Certificates / Reports for: a) Firm / Company registration b) Completion certificates c) Performance Reports d) Solvency Certificate	
5.	Details of key technical and administrative personnel employed by the firm/ company.	
6.	Any other important information.	
7.	Have you enclosed the entire drawings placed in the website	

Date and Place:

SIGNATURE OF APPLICANT(S)

Note: Exceptions of the above, if any, shall be clearly mentioned with details by the tenderer for evaluation/consideration if any.

Even though an applicant may satisfy the above requirements, he would be liable to disqualification if he has:

- (a) Made misleading or false representation or deliberately suppressed the information in the forms, statements and enclosures required in the tender document.
- (b) Record of poor performance such as, abandoning work, not properly completing the contract, or financial failures / weaknesses etc.

ASSISTANT GENERAL MANAGER (P&E)

INDIAN BANK

CORPORATE OFFICE,

CHENNAI



This Page is left blank

