

Repair/ maintenance/ renovation/ refurbishing work of Indian Bank's own quarters at Dharmottlla Quarter, 4, PC Nahar Avenue Taltala, Kolkata.

TECHNICAL BID

**Indian Bank,
Zonal Office,
3/1, R. N. Mukherjee Road,
Kolkata – 700001.**

Sub: Repair/ maintenance/ renovation/ refurbishing work of Indian Bank's own quarters at Dharmottlla Quarter, 4, PC Nahar Avenue Taltala, Kolkata.

Site: Dharmottlla Quarter, 4, PC Nahar Avenue Taltala, Kolkata – 700013.

ISSUED TO: _____

DATE: _____

SIGNATURE _____

(This document contains pages including front cover 39 page.)

**Architect Consultant:
M/s Design Dei Gratia™ Pvt. Ltd.
91/A/2, N.S.C. Bose road,
Tollygunge Kolkata-700040
E-mail:kolkata@designdeigratia.com
designdeigratiakolkata@gmail.com**

Repair/ maintenance/ renovation/ refurbishing work of Indian Bank's own quarters at Dharmottla Quarter, 4, PC Nahar Avenue Taltala, Kolkata.

TENDER NOTICE

M/S.....

Work: Repair/ maintenance/ renovation/ refurbishing work of Indian Bank's own quarters at Dharmottla Quarter, 4, PC Nahar Avenue Taltala, Kolkata.

Sealed Tenders are invited in two bid system from reputed contractors AS PER ELIGIBILITY CRITERIA listed below for carrying out **Repair/ maintenance/ renovation/ refurbishing work of Indian Bank's own quarters at Dharmottla Quarter, 4, PC Nahar Avenue Taltala, Kolkata**, as per the specifications given in the tender.

The estimated cost of the work is approximately **Rs. 59.29 Lac**

The following are the eligibility criteria for the contractors to participate in the tender bid:

Average annual financial turnover during the last three Years ending 31st March, 2015 should be at least Rs 1.00 Crore.

The bidder should have experience of having successfully completed similar works of value as indicated below during the last 7 years ending 31.03.2015.

Details of Work	Value of Work
Three Similar Completed Works OR	Rs 31.86 lacs each
Two Similar Completed Works OR	Rs 39.83 lacs each
One Similar Completed Work	Rs 63.73 lacs

Similar work mean carrying out Renovation for Exterior Civil work of Flats/Building for reputed corporate/ PSU / Govt. Work.

The tenderer should submit completion certificate from the employer clearly Indicating the nature, magnitude, date of starting and date of completion, indicating.

Whether the works are completed within the stipulated time in respect of qualifying works.

The tenderer should provide proper documentary proof supporting their claim in respect Of all the above criteria.

The Tender Documents may be purchased from **Design Dei Gratia Pvt. Ltd. 91/A/2, NSC Bose Road, Kolkata**. On payment of a non refundable amount of **Rs 2,000/- (Two thousand only)** by way of Cash/ Demand Draft/BC drawn in Favor of **Design Dei Gratia Pvt. Ltd.** During working hours (10AM to 5 PM) from _____ to _____

The tender documents may also be downloaded from Website www.indian-bank.com. The bidders downloading from the website should remit the fee of **Rs 2,000/- (Rs. Two thousand only)** separately by way of DD in favor of **Design Dei Gratia Pvt. Ltd.** accompanying the tender documents at the time of submission of the tender documents failing which their tender bid would be summarily rejected.

Repair/ maintenance/ renovation/ refurbishing work of Indian Bank's own quarters at Dharmottla Quarter, 4, PC Nahar Avenue Taltala, Kolkata.

The tender documents should accompany an Earnest Money Deposit (EMD) of **Rs 1, 18, 290/- (Rs. One Lac Eighteen Thousand Two Hundred Ninety only)** by way of DD in favour of **Dy.General Manager (SiC), Indian Bank, Zonal Office, 3/1, R. N. Mukherjee Road, Kolkata**. The EMD shall not bear any interest. Tender documents not accompanied by such EMD would be summarily rejected.

Time is the essence of contract. The work should be completed in **90 days** from the date of issue of work order. **No work will be allowed at the site on Sundays & Public Holidays and working Hours will be 9 AM to 7 PM.**

Sealed tenders duly filled in should be addressed to:

**Dy. General Manager (SiC)
Indian Bank ,
Zonal Office
3/1, R. N. Mukherjee Road,
Kolkata -700001.**

Super scribing the name of the work on top as '**Indian Bank, Quarters at Dharmottla , 4, PC Nahar Avenue Taltala, Kolkata**' and should be dropped in the tender box located the above mentioned address **on or before P.M. on**

The Technical Bid duly filled in and signed on all the pages and stamped by the tenderer accompanied by details of the Company Profile, audited balance sheet for last 3 years

Proof of submission of Income tax returns, PAN No., VAT No., proof of Work Experience of similar works during the last 5 years should be submitted in a separate sealed **COVER-1 along with the DD for EMD super scribing as "TECHNICAL BID Repair/ maintenance/ renovation/ refurbishing work of Indian Bank'sown quarters at Dharmottla Quarter, 4, PC Nahar Avenue Taltala, Kolkata.**

The **Price bid** duly filled and signed should be placed in a separate sealed **Cover 2** super scribing as **"FINANCIAL BID for Repair/ maintenance/ renovation/ refurbishing work of Indian Bank'sown quarters at Dharmottla Quarter, 4, PC Nahar Avenue Taltala, Kolkata.**

The sealed **cover-1** and **cover-2** should be enclosed in a **Master Envelope** and super scribed as **"TENDER for Repair/ maintenance/ renovation/ refurbishing work of Indian Bank'sown quarters at Dharmottla Quarter, 4, PC Nahar Avenue Taltala, Kolkata.**

The sealed tenders shall be opened on in presence of the tenderer's accredited representatives if they desire to attend.

The Price bid of the Tenderer who satisfies the eligibility criteria and qualifies in the Technical bid in all respects only will be opened. The date and time of opening of the price bid will be intimated to the qualified bidders.

The Company reserves the right to accept any Tender or accept Tenders in part or to reject any or all Tenders without assigning any reasons thereof and will not be liable to Offer any explanation whatsoever.

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The EMD of the successful tenderer would be retained with **Zonal Head Indian Bank**, while the EMDs of the unsuccessful bidders would be returned within a week's time from the placing of work order with the successful bidder.

In case if the Tenderer after being declared successful L-1 bidder withdraws from the bid or fails to execute the work within the prescribed time his EMD would be forfeited.

The tenderer must carefully read and examine the whole tender document visit the site at his own expenses, study the technical specifications, drawings etc before Submitting the tender.

No consideration shall be given to a tender received after the expiry of time as stipulated above and no extension of time will normally be allowed for submission of the tender.

The Notice inviting tenders, the conditions of tender and duly completed form of tender, Specifications etc will interalia form part of the contract agreement to be executed by the Successful tenderer with the Company.

There will be a pre bid meeting prior to submission the tender. However the final date will be informed to the prospective bidder.

Bank solvency given by the Bank and duly certified by the Chartered Accountant

Repair/ maintenance/ renovation/ refurbishing work of Indian Bank's own quarters at Dharmottla Quarter, 4, PC Nahar Avenue Taltala, Kolkata.

MEMORANDUM

Name of work : **Repair/ maintenance/ renovation/ refurbishing work of Indian Bank's own quarters at Dharmottla Quarter, 4, PC Nahar Avenue Taltala, Kolkata.**

Estimated Cost : **Rs. 59.29 lacs** Approx.

Earnest Money Deposit only) : **Rs 1, 18, 290/- (Rs. One Lac Eighteen Thousand Two Hundred Ninety**

Date of Commencement of work : From the date of issue of Work order

Period of Completion : **90 days** from the date of Commencement.

Value of work to be taken for issue
Of Interim certificate for payment : 80% can be claimed in phases in the form of three (3) running bills of the value of work.
a. 30% payment against 40% work done
b. next 30% payment against 80% work done
c. next 10% payment against 90% completion of work

30% to be released after completion of work and handed over to the satisfaction and certification of the consultant.

10% SD to be released after the defects liability period of 12 months, without any interest.

7. Retention percentage to be : **10%** of the gross value of the bill
Deducted From RA Bills as
security Deposit

8. Defects Liability period : 1 year from the date of completion

9. Refund of Security Deposit : 100% of Security Deposit after expiry of Defects liability period.

10. Liquidated Damages : 0.5% of the Contract value per week or part thereof subject to a maximum of 10% of contract value/final bill amount

11. Period of Final measurements : 15 days.

12. Period of honoring Interim – Certificate for payment : 15 days

THE CONDITIONS OF TENDER

1. The tender form must be filled in English and all entries must be made by hand and written in ink.
2. Each and every page of the tender document must be signed by an authorized person.
3. The tenders must be submitted in the prescribed format only. The tenderers must quote the rates in the schedule of quantities, rates and amount. The rates should be written both in words and figures without any erasures and alterations. However if errors are made, the wrong figures or words must be neatly scored Out under full signature of the tenderers and the correct figures and words neatly rewritten. Over writing is not permitted. Applying white fluid for correcting rates and amount is also prohibited.
4. VAT and Service Tax as applicable will not be paid separately. The Tenderer must include these charges in the rates quoted, if applicable. No separate claim on this account will be entertained under any circumstances whatsoever. The tenderer shall quote his rates inclusive of cost of materials, corresponding wastages, labour, sales tax and any other taxes and duties, octroi, and cost of transportation of materials to work site etc.
5. Errors in the schedule of quantities, rates and amount shall be dealt with in the following manner:
 - a. In the event of a discrepancy between the rates quoted in words and the rates in figures, lowest rate will be taken into consideration.
 - b. In the event of an error occurring in the amount column as a result of wrong calculation the unit rate shall be regarded as firm and the amount shall be amended accordingly based on the quantity given.
 - c. All errors in totaling in the amount column and in carrying forward, the totals shall be corrected.
6. The quantities indicated in the schedule of quantities are only probable quantities and are liable to alteration by omission, reduction or addition. Payment shall be made on the basis of actual quantities of work done at the accepted rates.
7. No alterations which are made by the tenderer in the drawings, specifications or in probable quantities accompanying the tender will be recognized and if any such alterations are made the tender is likely to be rejected and invalidated.
8. The tenderer must at his own expenses all the information necessary for the at his own expenses all the information necessary for the to. **The site can be inspected on all working days from Monday to Saturday from Dt to betweenAM to PM**
9. The tenderer shall also bear all expenses in connection with the preparation and submission of this tender.

10. **EARNEST MONEY DEPOSIT (E.M.D) :**

The tenderer shall also deposit an amount of **Rs 1, 18, 290/- (Rs. One Lac Eighteen Thousand Two Hundred Ninety only)** in the form of a Demand Draft drawn on any scheduled Bank in favour of **Dy.General Manager (SiC), Indian Bank, Zonal Office, 3/1, R. N. Mukherjee Road, Kolkata - 700001**, Payable at **Kolkata** at the time of submission of the tender as Earnest Money. Indian Bank is not liable to pay any interest on Earnest Money.

The EMD of unsuccessful tenderer shall be refunded to them without any interest after the decision to award the work is taken. The EMD of the successful tenderer shall be retained as part of security deposit and for the due fulfillment of the contract.

11. **SECURITY DEPOSIT (S.D) :**

Security Deposit shall be deducted from running/progressive bill/s of the contractor @ 10% of the gross value of the each bill. Security Deposit shall not bear any interest. The security deposit shall retained by **Zonal Head Indian Bank** , till the end of defect liability period.

12. **COMPLETION PERIOD :**

The time is the essence of contract. The entire work shall be completed by the contractor within **90 DAYS** from the date of issue of the work order. The work shall be commenced immediately at the site.

The work is of urgent nature and the completion time schedule should be strictly adhered to by the contractor.

13. The tenders submitted shall remain valid for acceptance for a period of **90 days** from the date of their opening. Should any tenderer after being declared as successful bidder withdraws his tender or makes any modifications to his tender, the tender shall be treated as having been rejected or abandoned and his EMD will be forfeited.
14. It is not binding on **Zonal Head Indian Bank** to accept the lowest tender and reserves the rights to reject any or all the tenders received without assigning any reasons thereof. Further **Zonal Head Indian Bank** reserves the right to award any portion of the work or portions of the work to different tenderers or to award the entire work to one tenderer.
15. The tenderer whose tender is accepted is bound to execute a formal agreement **Zonal Head Indian Bank** in accordance with the draft agreement which will include the notice inviting tender, tender conditions, other papers herein, special conditions, drawings and specifications etc. Irrespective of whether a formal agreement is drawn or not the contractor on being awarded the contract is liable based on acceptance of his tender. The contractor shall bear all expenses in connection with the execution of the said agreement including fees for stamps and registration of documents as required.
16. The compensation or other sums of money payable by the contractor to **Zonal Head Indian Bank** the terms of contract may be deducted from his EMD/SD if the amount so permits and the contractor shall unless such deposit has become otherwise payable, within ten days after such deduction make good in cash the amount so deducted.

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17. The work shall be carried out under the directions and supervision of and subject to the approval in all respects by the **Consultants/ Zonal Head Indian Bank** .
18. On acceptance of the tender the contractor shall in writing at once in form **Zonal Head Indian Bank** and the Consultants the names of his accredited representatives who will be responsible to take instructions from the **Consultants/ Zonal Head Indian Bank** .
19. The work or any part of it shall not be transferred assigned or subject without the consent of the **Zonal Head Indian Bank**.
20. The contractor shall be required to co-operate and work in accordance with and afford reasonable facilities for such other agencies/specialists as may be employed by **Zonal Head Indian Bank** on other works / sub works in connection with the work.
21. The contractor will be required to insure the work and keep it insured until one month after the date of taking over the works by **Zonal Head Indian Bank** or otherwise as per the terms of the contract, against loss or damage by fire and other usual risks other than the risks accepted in the terms of the contract with an approved in **Zonal Head Indian Bank**.
22. The contractor is required to comply with all acts of Govt. relating to labour rules and regulations made there under from time to time submit at the proper times all particulars and statements required to be furnished to the labour authorities.
23. For all the items of work executed by him, the contractor will be required to supply, at his own expenses, to the Consultants, copies of post card size photographs in triplicate for each of the works, taken from two approved portions of each item of work at intervals of not more than two weeks during the progress of the work and also at every important stages of the work or as directed by the **Consultants/ Zonal Head Indian Bank**.
24. In carrying out the work, the contractor shall comply with the provisions of the safety code, annexed to these papers.
25. The bidder shall furnish an undertaking duly attested by notary in a non-judicial stamp paper of value Rs.100/- (**Rupees Hundred Only**) regarding their non-blacklisting/Left any work abandoned in any of the government department and public sector undertaking/enterprise in India and central vigilance commission during the last five financial years as per Annexure-X.

FORM OF TENDER FOR WORKS

To

**Dy. General Manager (SiC)
Indian Bank,
Zonal Office,
3/1, R. N. Mukherjee Road,
Kolkata - 700001.**

Dear Sir,

1. Having duly examined the tender documents including the drawings, specifications, designs, schedule of quantities relating to the works specified in the underwritten memorandum and having visited the site of the said work and having acquired all the requisite information relating there to as affecting this tender. I/We hereby offer to execute the works specified in the underwritten memorandum within the time specified there in at the rates specified in the schedule of quantities and in accordance, in all respects with the specifications, designs, drawings and instructions in writing referred to in the conditions of the tender, the articles of agreement, special conditions, the schedule of quantities, and conditions of the contract and with such conditions of the contract and with such materials as are specified, by and in all other respects in accordance with such conditions in the schedule of quantities and conditions of contract so far as applicable.
2. Should this tender be accepted, in whole or in part, I/We hereby agree (I) to abide by and fulfill all the terms and provisions of the said conditions of the contract annexed hereto and the conditions of tender so far as applicable or in default thereof to forfeit and pay to **Indian Bank, Zonal Office, 3/1, R. N. Mukherjee Road, Kolkata**, the sums of money mentioned in the said conditions.
 - a. A sum of **Rs. 1, 18, 290/- (One Lac Eighteen Thousand Two Hundred Ninety only)** is here by forwarded as Earnest Money Deposit in form of Demand Draft drawn in favor of **Zonal Head Indian Bank** payable at **Kolkata**.
 - b. I/We agree (i) that should I/We fail to commence the work specified in the above mentioned memorandum **Zonal Head Indian Bank** shall without prejudice to any other right or remedy be the liberty to forfeit the Earnest Money, otherwise shall be retained by **Zonal Head Indian Bank** towards security deposit mentioned in the above memorandum. (ii) to execute all the works referred to in the tender document upon the terms and conditions contained or referred to therein and to carry out authorized variations as directed by the **Consultants/ Zonal Head Indian Bank** and as per said conditions of the contract.

The name of the Proprietor /Partners/Directors of our firm are:

Signature of tenderer with seal

Repair/ maintenance/ renovation/ refurbishing work of Indian Bank's own quarters at Dharmottla Quarter, 4, PC Nahar Avenue Taltala, Kolkata.

Dated theday of2015

**TECHNICAL BID
PRE-QUALIFICATION – PROFORMA-1
PARTICULARS OF THE CONTRACTORS TO BE FURNISHED FOR THE
PURPOSE OF PRE-QUALIFICATION**

1	Name of Proprietors/ firm / company	
2	Address, Telephone No., and Email address	
3	Year of establishment	
4	Status of the firm (Company / Firm/ Proprietary)	
5	Name of Directors / Partners/ proprietor(s) (Please enclose relevant document/deed)	
6	Whether registered with the registrar of companies / registrar of firms. If so, mention number and, date.	
7	Enclosed Solvency Certificate from CA with Brief Details. The minimum solvency of the Bidder should be Rs. 100.00 Lacs.	
8	Whether registered for sales tax purposes. If so, mention number and date. Also Furnish copies of sales tax certificate duly certified.	
9	Whether the bidder is income tax assessee, If so, please mention permanent account number. Furnish copies of income tax returns for three years duly certified.	2014-15 2013-14 2012-13
10	State Annual turnover of the Bidder following: 1) A certificate from a Chartered Accountant certifying the turnover figures mentioned. 2) Copies of Audited Balance Sheet, Trading/Revenue A/c and Profit & Loss A/c for these three years duly Certified	2014-15 2013-14 2012-13:

Contractor signature

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11	Specify the maximum value of single work executed in the last 7 year in the country. (Please Mention Year also) Amount Rs. Year	
12	Status and details of disputed litigations / arbitration, if any. i) ii) iii)	
13	Documentary proof in support of satisfactory completion of similar work as per eligibility criteria	
	Note: Where copies are required to be furnished, these are to be certified copies preferably by the concerned agencies or a Government Officer.	
		Contractor's Seal & Signature of the Contractor

PRE QUALIFICATION DOCUMENT

DECLARATION

I/We have read and understood the instructions contained in advertisement appeared indated....., in the web site and in the Application form.

I/We do hereby declare that the information furnished above as well as in the tender document and in the supplementary sheets from pages.....to.....are correct to the best of my/our knowledge and belief.

Signature_____

Place:_____

Name_____

Date:_____

Designation_____

Seal of Applicant

Address_____

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PRE QUALIFICATION DOCUMENT

PRE- QUALIFICATION – PROFORMA-II

PARTICULARS IN RESPECT OF 3 MAJOR SIMILAR WORKS EXECUTED IN LAST 7 YEARS

S. No.	Name of work/ project with address	Short description of the work	Value of work executed	Stipulated time of completion	Actual time of completion	Name of architect	consulting engineer

Note: Should be supported by related documents.

Place:

Date:

Signature of Contractor with seal

Repair/ maintenance/ renovation/ refurbishing work of Indian Bank's own quarters at Dharmottla Quarter, 4, PC Nahar Avenue Taltala, Kolkata.

Pre qualification Document

To

**Dy. General Manager (SiC)
Indian Bank, Zonal Office,
3/1, R. N. Mukherjee Road,
Kolkata – 700001.**

Dear Sir,

I/We, the undersigned having carefully gone through and clearly understood the Specifications, with conditions of contract for the above mentioned work, do hereby tender to execute and complete the whole of the works strictly in accordance with the said specifications, etc. at the rates set out in the priced bill of quantities.

I/We am/are sending you herewith an amount of Rs.....
(RupeesOnly) as Earnest Money by Demand Draft / Pay Order which amount is not to bear any interest and I/We do hereby agree that the same may be forfeited by you in the event of your accepting my/our tender and I/We fail to execute the contract when called upon to do so.

It is understood that the lowest or any tender will not necessarily be accepted and **Zonal Head Indian Bank** reserves the right to accept or reject any or all the tenders and that **Zonal Head Indian Bank** is not bound to assign any reason for the same.

I/We agree to keep our offer open for a period of 60 days from the date of opening of tenders.

Thanking you,

Yours faithfully,

Date:

Place

(Contractor's signature with seal)

SPECIMEN COPY

Not to be filled. To be executed at the time of award of contract

ARTICLES OF AGREEMENT

Articles of agreement made this the day of 2015, between **Indian Bank**,
having its **Head Office Indian Bank**.....
(Herein after called the Employer) of one part

AND

M/s having its registered office
at
. (Here in after called the Contractor) of the other part.

Where as the employer is desirous of getting the: **for Repair/ maintenance/ renovation/ refurbishing work of Indian Bank's own quarters at Dharmottla Quarter, 4, PC Nahar Avenue Taltala, Kolkata.**

Done as per this agreement and has annexed drawings, bill of quantities and specifications describing the work to be done are to be prepared by **M/s. Design Dei Gratia Pvt. Ltd** architects and engineers, Project Management, Interior (here in after called "THE CONSULTANTS") and where as the said drawings as enclosed, the bills of quantities and the specifications etc. have been signed by or on behalf of the parties hereto; and where as The contractor has agreed to execute upon and subject to the conditions set forth in schedule – 1 Hereto attached (herein after referred to as the condition'), the work shown upon the said drawings And described in the said specifications and included in the said bill of quantities for the sum of Rupees xxx

NOW IT IS HEREBY AGREED AS FOLLOWS :

1. In consideration of the sum of Rs to be paid at the time and in the manner set forth in the said conditions, the contractor will upon and subject to the said conditions execute and described in the said specifications and bill of quantities.
2. The Employer will pay to the contractor the said sum of Rs or such other sum as shall become payable hereunder at the times and in the manner specified in the said conditions.
3. The terms The Consultants in the said conditions shall mean **M/s. Design Dei Gratia Pvt. Ltd.** architects and engineers, Project Management, or in the event of their ceasing to be the Consultants for the purposes of this contract. Such other persons as shall be nominated for that purpose by the said conditions. Provided always that no person subsequently appointed to be the consultants for the time being.
4. The said conditions, specifications and priced bill of quantities shall be read and construed as forming part of and submit themselves to the conditions and stipulations and perform the agreement on their parts respectively in such conditions, specifications and priced bill of quantities contained.

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As witness our hand the day and year first above written signed by said **EMPLOYER**.

SIGNATURE OF EMPLOYER

In the presence of witness:

Name :

Address

Occupation

Name :

Address ::

Occupation

As witness our hand the day and year first above written signed by the said Contractor(s):

SIGNATURE OF CONTRACTOR

In the presence of witness:

1. Name :

Address :

Occupation :

2. Name :

Address :

Occupation :

SCHEDULE-I

CONDITIONS OF CONTRACT

1. Interpretation Clauses:

- a. In constructing these conditions, the specifications, schedule of quantities and contract agreement, the following words shall have the meanings here in assigned to them except where the subject or context other requires.
- b. Headings and marginal notes to the conditions of contract shall not be deemed to form part thereof or be taken in to consideration in the interpretation or construction thereof or of the contract.
- c. Where the context so requires (i) words importing persons include firms and corporations and (ii) words importing the singular only also include the plural and vice versa.
- d. Employer shall mean **Indian Bank**, having its **Zonal Office, Indian Bank, 3/1, R. N. Mukherjee Road, Kolkata – 700001.**
- e. **Consultant:** Shall mean **M/s. Design Dei Gratia Pvt. Ltd** architects and engineers, Project Management or in the event of their ceasing to a. be Consultant for the purposes of this contract such other person or persons as shall be nominated for that purpose by the Employer subject to such qualifying provisions as may be agreed upon.
- f. **Contractor** shall mean -----
-----and include his/their legal representatives, permitted assigns, or successors.
- g. **Site:** The site shall mean the site where the works are to be executed as shown with in boundary in red border on the site plan including any building and erections thereon allotted by the Employer for the Contractor's use.
- h. **The Contract:** Shall mean the tender documents comprising the notice inviting tender, form of tender conditions, the drawings and priced bill of quantities with their preamble, the acceptance thereof, and the articles of agreement, together with the conditions of contract with its appendix and special conditions, if any, the specifications referred to in the conditions, designs, drawings and instructions issued from time to time by the **Consultants/ Zonal Head Indian Bank** and all these documents taken together are deemed to form one contract and shall be complementary to one another.
- i. **Bills of Quantities:** Various also termed priced bill of quantities, schedule of rates, shall means the schedule of quantities originally furnished with the notice inviting tender, duly priced in by the tenderer and accepted by the Employer for
 - a. Inclusion as a part of the contract for determining the consideration payable to the contractor for executing the work and as part of the contract agreement it is also referred to as the contract scheduled.
- j. **Notice in writing** or written notice shall mean a notice in written, typed or printed characters sent (Unless delivered personally or otherwise proved to have been received) by registered post to the last known private or business address or to the registered office of the addressee and shall be deemed to have been received when in

the ordinary course of post it would have been delivered.

- k. **Act of Insolvency:** Shall mean any act of Insolvency as defined by the presidency towns Insolvency Act. Or the provincial Insolvency Act or any is amending such original.
- l. **Net Prices:** If in arriving at the contract amount the contractor shall have added to or deducted from the total of the items in the tender any sum, either as a percentage or otherwise, then the net price of any item in the tender shall be the sum arrived at by adding to or deducting from the actual figure appearing in a tender as the price of that item a similar percentage or proportion of the sum so added or deducted by the contractor, the total amount of any price cost items and provisional sums of money shall be deducted from the total amount or the tender. The expression "net prices" when used with reference to the contract or accounts shall be held to mean rates or prices so arrived at.
- m. **The works** (or the work) shall unless there by something either in the subject or context repugnant to such construction, be considered and taken to mean the works by or by virtue of the contract contracted to be executed whether temporary or permanent, and whether original, altered, substituted or addition. Wherever the word "works" is used it shall cover "installation" also under the same definition.
- n. **Executed Risks** are risks due to riots (otherwise than among contractors Employees) and civil commotion (in so far as both these are uninsurable war (whether declared or not) invasion, act of foreign enemies, civil war, rebellion, revolution, insurrection, military or usurped power, any acts of Government, damage from air craft, acts of God such as earthquake, lighting and unprecedented floods and other causes over which the contractor has no control and accepted as such by the Employer or causes solely due to use of occupation in manner for which the woks/installations in respect of which a certificate of completion has been issued or a cause solely due to faulty design of works.
- o. Provisional **Items** shall mean items for which only very approximate quantities have been included in the tender documents.
- p. **Virtual Completion** of works / installations shall mean the substantial Completion of the works / installations in accordance with the contract enabling the employer to take over the same.
- 2. **Consultant/ Zonal Head Indian Bank Instructions :** The contractor shall execute the whole and every part of the work in the most substantial and workmanship like manner and both as regards materials and otherwise in every respect in strict accordance with the specifications, conforming exactly, fully and faithfully, to the designs, drawings, drawings and instructions in respect of the work given by the **Consultants/ Zonal Head Indian Bank** and under the directions of and under the supervision of and subject to the approved in all respects by the **Consultant/ Zonal Head Indian Bank** who may in their discretion and from time to time issue further drawings, and/or written instructions, directions and/or written instructions, details and explanations which are hereafter collectively referred to as **Consultant/ Zonal Head Indian Bank** in regard to:
 - a. Variation or modification of the design quality or quantity of works of the addition or omission or substitution of any work.
 - b. Any discrepancy in the drawings or between the schedule of quantities and/or drawings and/or specifications.
 - c. The removal from the site of any materials brought thereon by the contractor and the substitution of any other materials therefor.

- d. The dismissal from the works of any persons employed there upon.
- e. The opening up for inspection of any work covered up.
- f. The amending and making good of any defects under clause 19.
- g. The removal and/or re-execution of any works executed by the contractors, on account of defects under clause 18

The contractor shall forthwith comply with and duly execute any work comprised in such **Consultants/ Zonal Head Indian Bank** instructions provided always that verbal instructions, directions and explanations given to the contractor or his representative upon the works by the **Consultant/ Zonal Head Indian Bank** shall if involving a variation, be confirmed in writing by the contractor within seven days by and if not dissented from writing within a further seven days by the **Consultants/ Zonal Head Indian Bank**, such shall be deemed to the **Consultant/ Indian Bank** instructions within the scope of the contract.

Manner of Execution of work: The **Consultant/ Zonal Head Indian Bank** shall be entitled to, direct at what point or points and in what manner the works are to be commenced, and from time carried on.

Variation to be approved by Employer : Notwithstanding anything herein contained, the **Consultant/ Zonal Head Indian Bank** or his representative shall not, without prior concurrence in writing which will result in the Employer having to pay the contractor any additional sum greater than Rs.2,500/- and all such instructions issued to the employer. The contractor shall submit through the **Consultant/ Zonal Head Indian Bank** a statement of analysis of rates, vouchers, etc. The rates on scrutiny and final acceptance of the Employer under the terms and clauses 16 hereof shall form a supplementary schedule of quantities.

- 3. **Agreement copies to be supplied:** The contract Document shall remain in the custody of the **Consultant/ Zonal Head Indian Bank** (Employer) and shall be produced by him at his office as and when required by the **Employer/Consultant/ Zonal Head Indian Bank** or the contractor. The contractor on the signing hereof shall be furnished by the **Consultant/ Zonal Head Indian Bank (Employer)** free of cost with a certified copy of the agreement and one copy each of all drawings on the works and the **Consultants/ Zonal Head Indian Bank** or his representatives shall at all reasonable times have access to the same. Before the issue of the final certificate to the contractor he shall, if so required, forth with return to the **Consultant/ Zonal Head Indian Bank** all drawings and specifications.
- 4. **The contractor to provide everything necessary:** The contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and amounts shall except as otherwise provided cover all his obligations under the contract, and all matters and things necessary for the proper completion of the works.

The contractor shall provide at his own cost all materials (except such, materials if any, as may in accordance with the contract be supplied by the Employer) machinery, plant, tools, appliances, implements, ladders cordage, tackle, scaffolding, in fact every thing necessary or proper for the proper execution of the work, whether original, altered or substituted according to the true intent and meaning of the or substituted taken together whether the same may or may not be reasonably inferred there from, and if the contractor finds any discrepancy in the drawings, or between the drawings, schedule of quantities and specifications, or between the drawings, schedule of quantities

and specifications, he shall immediately and in writing refer to the **Consultant/ Zonal Head Indian Bank** who shall decide which is to be followed, subject to:

- i. Anything shown or contained in any one or other of (a) the drawings. (b) Specifications and (c) the contract schedule and not shown in the others shall be equally binding as if it were contained in each of them.
- ii. Figured dimensions are to be followed in preference to the scale, and large scale details in preference to small scale drawings.
- iii. The following orders of preference shall apply:
 - (a) The drawings, (b) specifications, covered by bill of quantities, (c) Technical specifications.

- 5a. **Contractor to confirm to legal regulations :** The contractor shall confirm to the provisions any Act of the Legislature relating to the works and to the regulations and Bye - laws of any authority and if any water, lighting and other companies and/or authorities with whose system the structure is proposed to be constructed, and shall , before making any variations from the drawings or specifications that may be necessitated by so conforming give to the **Consultant/ Zonal Head Indian Bank** written notice, specifying the variation proposed to be made and the reason for it, and apply for instructions thereon. In case the contractor shall not within ten days receive such instructions he shall proceed with the work, confirming to the provisions, Regulations or bye-laws in question and any variations so necessitated shall be dealt with under clause 12 & 16.

The contractor shall bring to the attention of the **Consultant/ Zonal Head Indian Bank** all notices required by the said Acts, regulations or bye-laws to be given to any authority and pay to such authority , or to any public office all fees that may be properly chargeable in respect of the works and lodge the receipts with the **Consultant/ Zonal Head Indian Bank**.

The contractor shall indemnify the Employer against all claims in respect of patent rights and shall define all actions arising from such claims to and himself pay all royalties, license fee, damage, cost and charges of all and every sort that may legitimately be incurred in respect thereof.

The Employer is entitled to deduct all taxes and rates as per existing laws and rules, from any money due or that may become due to the contractor.

- 5b. The contractor shall indemnify the Employer from and against all claims, demands, proceedings damages, or to which it may put by reason not confirming to or complying with any of the provisions or requirements of any act or sanction, central or state, rules, regulations, Bye-laws of local authorities, panchayats, collector or any other companies relating to or in water, light or other amenities at the site.
6. **Contractor Responsible for setting out work :** The contractor shall on the basis of dimensioned drawings and information necessary for the purpose furnished by the **Consultant/ Zonal Head Indian Bank** set out the works on site at his own expense and responsible for the correctness of the positions, levels, dimension and setting out by the representative of the consultant or of the Employer shall not in any way he shall amend at his own cost and to the satisfaction of the **Consultant/ Zonal Head Indian Bank** , any error in the setting out or consequential to wrong setting out, found at any stage during the progress of the work or during the defects liability period after completion of the work.

- 7.1 The contractor shall maintain at the site comprehensive registers, posted up-to-date, showing the nature of the materials/articles/goods their identification marks, dates and the results of the tests, etc. such registers shall be got countersigned by the representatives of the Consultant/Employer at site and extracts from the Consultant and the Employer. The form of the registers shall be mutually set.
- 7.2 The costs of the sets and of the materials and labour and equipment if any, involved in the testing operations shall be borne by the Contractor in all cases except as otherwise provided for in the contract.
8. **Supervision by Contractor:** The contractor shall give all necessary personal superintendence during the execution of works, and thereafter as long as the **Consultants / Zonal Head Indian Bank** may consider necessary until the expiration of the "Defects Liability Period" satisfied in clause 19 herein. The contractor shall also during the whole time the works are in progress, employ a competent and qualified representative whose name shall be approved by the **Consultant/ Zonal Head Indian Bank** and who shall be Consultancy in attendance at the works while the men are at work. Any directions, explanations, instructions, or notices given by the Consultant/Employer to such representative shall be held to have been given to the contractor. If the contractor fails to appoint and keep on the works a competent and qualified representative as aforesaid the **Consultant/ Zonal Head Indian Bank** shall have powers to suspend the works till such time a competent qualified representative as aforesaid is posted and the contractor shall not be entitled to claim extension of time on the plea of such suspension of the works.
9. **Dismissal of workman:** The contractor shall on the request of the Consultant/Employer immediately dismiss from the works any person employed thereon by him who may, in the opinion of the person shall not be again employed on the works without the permission of Consultant/Employer.
10. **Access to works:** The Employer, the consultant and his respective representatives shall at all reasonable times have free access to the works and /or to the workshops, factories or other places where materials are laying or from which they are being obtained and his respective representative, all reasonable facilities necessary for inspection and examination and tests of the materials and workmanship. No person unauthorized by the Employer or the consultant except the representatives of public Authorities shall be allowed on the works at any time.
11. **Work not to be sublet:** The whole of the works included in the contract shall be executed by the Contractor who shall not directly or indirectly transfer, assign or sublet the contract or any part share thereof or interest therein without the written consent of the Employer, and no undertaking shall relieve the contractor from active superintendence of the works during their progress.
- 12.1 **Variation not to vitiate the contract:** No alteration, omission or variation shall vitiate this contract but incase if the **Consultant/ Zonal Head Indian Bank** thinks proper at any time during the progress of the works to make any alterations in or additions to or omission from or substitutions for the original drawings, specifications, designs and instructions or any alterations in the kind or quality of the materials to be used in the work and shall give notice thereof to the contractor, in writing the contractor shall alter, add to or omit from or substitute for as the case may require, in accordance with such notice and carry out the amended work on the same conditions in all respects on which he agreed to do the main work, but the contractor shall not do any work extra to or make any alterations or additions to or omissions from or substitutions in the works or any deviation from any of the provisions of the contract stipulations, specifications or

contract drawings without the previous consent in writing of the **Consultant/ Zonal Head Indian Bank** and the value of such extra, alteration, additions or omissions or substitutions shall in all cases be determined by the **Consultant/ Zonal Head Indian Bank** with the prior approval in writing of the Employer in accordance with the provisions of Clause 16 hereof, and shall be added to or deducted from the contract amount accordingly.

- 12.2 The supply and execution of any part of the carrying out of any works incidental to the execution of any item or class of work shown in the schedule of quantities shall not constitute a variation entitling the contractor to extra paying providing that the said item or class of work cannot be executed satisfactorily according to the true intent and meaning of the drawings and specifications without the said part thereof or the said work incidental thereto whether the same may or may not be particularly shown or described in the drawings, specifications and schedule of quantities and provided the same may be reasonably inferred thereof.
- 12.2.1 The time for completion of work shall, in the event including authorized variations result in an addition to the contract sum in excess of 10% be extended on payment by the contractor as follows:
- i) In the proportion which the total executed contract value including authorized variations bears to the original contract value, the certificate of the **Consultant/ Zonal Head Indian Bank** being conclusive as to such proportion:
 - ii) 25% of the additional time calculated way of I) above or such further time as may be considered to be reasonable by the **Consultant / Zonal Head Indian Bank**.
- 12.3 Similarly, the changing the position of the work from one to another or to a more difficult position than shown in the drawings or described in the specifications or the contract schedule, or the carrying out of work under circumstances not contemplated in the specification or the contractor to extra payment.
- 13.a **No compensation for alteration in or restriction of work :** If at any time after the commencement of the work the Employer for any reason whatsoever does not require the whole or part or parts thereof as specified in the tender to be carried out, the **Consultant / Zonal Head Indian Bank** shall give notice in writing of the fact to the contractor who shall not claim for any compensation whatsoever on account of any profit which he might have derived from the execution of the work in full, but which he did not derive in consequence of the full amount of the work not having been carried out. Nor shall have any claim for compensation by reason of any alterations having been made in the original specifications, drawings, designs and instructions which shall involve curtailment of the work originally contemplated.
13. b **Schedule of quantities on standard of measurement:** The schedule of quantities unless otherwise stated shall be deemed to have been prepared in accordance with the Indian Standard Method of Measurement.
14. **Errors in Bill of Quantities:** No error in description or in quantity or by way of omission of items from the schedule of quantities shall vitiate this contract but shall be rectified and the value thereof as ascertained under clause 16 herein shall be added to or deducted (as the case may be) from the contract amount provided that there shall be no rectification of errors in the contractor's schedule of rates.
15. **Measurement of works:** The **Consultant/ Zonal Head Indian Bank** may from time to time intimate to the contractor and the Employer that he required the works to be measured, the contractor shall fore with attend or send a qualified agent to assist the **Consultant / Zonal Head Indian Bank** or the **Consultant/ Zonal Head Indian Bank**

representative in taking such measurements and calculations and to furnish all particulars or to give all assistance required either of them.

Provided that the contractor shall give notice of not less than ten clear days to the **Consultant / Zonal Head Indian Bank** or his representative in charge of the work before covering up or placing beyond the reach of measurement any work in order that the same may be measured and correct dimensions thereof be taken before the same is covered or placed beyond reach of measurement any work without the consent of the **Consultant/ Zonal Head Indian Bank** and his representative in ten days inspect the work and cause the measurements to be made if,

any work be so covered up without the consent of the **Consultant/ Zonal Head Indian Bank** or his representative-in- charge of the work, the same shall be uncovered at the contractor expense, or in default thereof no payment or allowance shall made for such work or materials with which the same was executed.

Should the contractor not attend or neglect or omit to send such agent then the measurements taken by the **Consultant/ Zonal Head Indian Bank** or person approved by him shall be taken to be correct measurement of the works. Such measurements shall be taken in accordance with the Indian Standard Method of Measurement, unless otherwise provided for elsewhere in this contract.

The contractor or his agent may at the time of measurement taken such notes and details as he may require.

All authorized extra works, omission and all variations made without **Consultant/ Zonal Head Indian Bank** knowledge, if subsequently sanctioned by him in writing (with the prior approval in writing of the Employer) shall be included in such measurement.

16. **Price of variation:** The rates for additional, altered, substituted work shall be arrived at in accordance with the following rules:
- i. The net rates or prices in the contract schedule shall determine the valuation of (the rates for) the extra work (items) where such extra work is of similar character and is executed under similar conditions as the work priced therein. The extra work shall not exceed 15% of the total contract value.
 - ii. If the rates for the extra, altered or substituted (deviated) work are not provided for (available) in the contract schedule, they shall to the extent possible be derived out of the rates given in that schedule for similar items. For the purpose of such derivation, where necessary and when so directed, the contractor shall furnish detailed analysis for the said similar or near similar items in the contract schedule. For such portions of the analysis for the extra altered or substituted (deviated) work for which prices cannot be abstracted from the corresponding analysis of rates for the said similar or near substantiated by purpose bills/vouchers shall be adopted. Using factors and constants for quantum's of material labor, T & P and sundries from NBO/CPWD, standard PWD data/analysis in the order. When called upon to do so the contractor shall submit the required purchase bills/vouchers.
 - iii. In respect of a contract which incorporates more than one schedule the rate applicable in case (i) above if not provided for in the schedule pertaining to the work in which the addition, alteration or substitution(deviation) occurs, shall be taken as the lowest applicable rate in the other schedule similarly, in case (ii) above, if similar or near similar items cannot be found in the schedule pertaining to the work which the addition, alteration or substitution(deviation) occurs, similar or near similar items from the other schedules shall be adopted.

- iv. In the case of additional, altered or submitted (deviate) work for which rates cannot reasonably be derived as at (ii) and (iii) above, the rates shall be worked out adopting market prices substantiated by purchase bills/vouchers, using factors and constants for quantum's of material, labour, T&P and sundries from NBO/CPWD/Standard materials, labour, T&P and sundries from NBO/CPWD/Standard PWD/data analysis in the order thus written, adding 15% towards profits and overheads. When called upon to do so the contractor shall submit his purchase bills/vouchers, to the **Consultant/ Zonal Head Indian Bank**.
- v. The question as to what particular items, being similar or near similar to the additional, altered or substituted (deviated) work in the contract schedule are to be adopted for deviation of rates for the additions, altered or substituted (deviated) work and whether the said rates cannot be derived from similar or near to similar items in the contract schedule will be decided by the **Consultant / Zonal Head Indian Bank**.
- vi. In case (ii) to (iv) the contractor is required to submit his analysis of rates adopting the principals enunciated and the **Consultant / Zonal Head Indian Bank** after scrutinizing the analysis and other paper furnished, will allow such rates as he considers reasonable.
- vii. Where extra work is of such a nature that it cannot be properly measured or valued the contractor shall be allowed day work prices at the net rates stated in the tender or the period schedule of quantities or , if not stated, then in accordance with the minimum local day work rates and wages for the district, notified by the concerned authority, provided that in either case if required by the **Consultant/ Zonal Head Indian Bank** vouchers, muster rolls and other documents required for proper verification of the labour employed and the materials developed on the said work and the costs thereof be delivered to the **Consultant/ Zonal Head Indian Bank** or his representatives at or before the end of the week following that in which the work has been executed.

The question as to whether extra work is of such nature that it cannot be properly measured or valued will be decided by the **Consultant/ Zonal Head Indian Bank**. The margin to be allowed on actual costs to the contractor towards profits and overheads shall be 15%.

- Viii **Deviation Limit** : It is the value of which the total executed contract value including authorized variation in excess of the original contract value, expressed as a percentage and shall be adjusted on the sum total of all additions, omissions, reductions, alterations or substitutions (deviations) covered by authorized variations under clause 2 and 13 of the conditions of contract. The values of prime cost sums shall not be included in calculating the above percentage.
- ix There shall be no escalation in the price once the price is fixed and agreed by the company with the contractor, but the contractor should agree to pass on to the company any benefit arising out of any subsequent reduction in the price due to reduction in duties and levies so after the prices are fixed, but before delivery of the goods.
- 17. **Unfixed Materials**: Wherein any certificate (of which the contractor has received payment) the **Consultant/ Zonal Head Indian Bank** has included the value of any unfixed materials intended for and/or placed on or adjacent to the works such materials shall become the property of the Employer and they shall not be removed except for use upon the works, without the written authority of the **Consultant / Zonal Head Indian Bank**. The contractor shall be liable for any loss or damage to such materials.
- 18. **Removal of Improper work, material, etc.,** : The **Consultant/ Zonal Head Indian Bank** shall, during the progress of the work, have full powers to order in writing

from time to time, removal from the works within such reasonable in the opinion specified in the order, of any materials which in the opinion specified in the order, of any materials which in the opinion of the **Consultant/ Zonal Head Indian Bank** are not in accordance with the specifications or the instructions of the **Consultant / Zonal Head Indian Bank** or do not confirm to approved samples, the substitution of the rejected materials by proper other materials, and the removal and proper re-execution of any work executed with unsound, imperfect or skilled workmanship or with materials not in accordance with the contract, notwithstanding that the same may have been passed or certified or, and paid for and the contractor shall fore with carry out such order at his own cost.

In case of default on the part of the contractor to carry out such order, the Employer shall have the power to being answerable or accountable for any loss or damage that may happen or arise to such materials removed and all expenses consequent on or incidental thereto as certified by the **Consultant/ Zonal Head Indian Bank** shall be borne by the contractor, or may be deducted by the Employer from money due or that may become due to the contractor.

In lieu of re-execution of any work not in accordance with the contract **Consultant/ Zonal Head Indian Bank** may in their option allow it to remain but will allow for such work reduce rates. The decision of **Consultant / Zonal Head Indian Bank** i to exercise his option in this regard and the quantum of reduction to be made in the rate for the item in question shall be final and binding on the contractor.

19. **Defects Liability Period:** Any defect, shrinkage, settlement or other faults which may appear within the Defects Liability Period stated in the appendix hereto or if none so stated, within 12 months after the virtual completion of the works arising in the option of the **Consultant / Zonal Head Indian Bank** from materials or workmanship not in accordance with the contract, shall on demand which shall be made within the defects liability period, in writing by the **Consultant / Zonal Head Indian Bank** and within such reasonable time as shall be stated therein specifying the work, materials or articles complied of notwithstanding that the same may have been passed or/and certified, paid for, be amended and made good by the contractor, at his own proper charges and cost and incase of default. The Employer may employ and pay other person or persons to amend and make good such defects, shrinkage, settlements or other faults and all damages, loss and expenses consequent thereon or incidental thereto shall be made good and borne by the contractor and such damages loss and expenses shall upon the **Consultant / Zonal Head Indian Bank** certificate in writing be recoverable from the contractor by the Employer or may be deducted by the Employer from any money due or that may become due to the contractor or the Employer may in lieu of such amending and making and by the contractor deduct from any money due to or that may become due to the contractor a sum to be determined by the **Consultant / Zonal Head Indian Bank** equivalent to the cost of the amending and making good such work and in the event of the amount retained under clause 27 being insufficient, recover the balance from the contractor, together with any expenses the Employer may have incurred in connection therewith, should any defective work have been done or material supplied by any sub-contractor employed on the works who has been nominated or approved by the **Consultant / Zonal Head Indian Bank** /Employer as provided in clause 11 the contractor shall be liable to make good in the same manner as if such work or material had been done or supplied by the contractor himself and been subject to the provisions of clause 2 thereof. The contractor shall remain liable under the provisions of this clause notwithstanding the signing by the **Consultant / Zonal Head Indian Bank** of any certificate including the final certificate, or the passing of any accounts.

20. **Completion certificate:** The works shall not be considered as completed until the

Consultant / Zonal Head Indian Bank has certified in writing that they have been virtually completed and the defects liability period shall commence from such certified date of virtual completion of work. Within ten days of the completion of work, the contractor shall give notice of such completion to the **Consultant / Zonal Head Indian Bank**. The **Consultant / Zonal Head Indian Bank** shall inspect the work and if there is no defect in the work shall furnish the contractor with certificate of completion otherwise a provisional certificate of completion indicating defects (a) to be rectified by the contractor and / or (b) for which payment will be made at reduced rates, shall be issued but no certificate of shall the work considered to be complete until the work as executed, all scaffolding, surplus materials, rubbish and cleaned off the dirt from all woodwork, doors, windows, walls, floors or other parts of any building, in upon or about which the work was executed, or of which he may have had possession for the purpose of execution thereof, and not until the work shall have been measured by the **Consultant / Zonal Head Indian Bank**. If the contractor fail to comply with the requirements of this clause as to removal of scaffolding, surplus materials and rubbish as aforesaid and cleaning off dirt on or before the date fixed for the completion of the work, original or extended in terms of clause 24 herein, the employer after issuing due to notice, may at the expense of the contractor remove such scaffolding, surplus materials and rubbish, etc., and dispose of the same as he thinks fit and clean off such dirt as aforesaid, and the contractor shall have no claim in respect of any such scaffolding or surplus materials as aforesaid except for any sum actually realized by the sale thereof. And the expense, if any, so incurred may be recovered from any money due or that may become due to the contractor by the Employer.

21. Contractor Liable for Damage done:

- 21.1. The contractor shall be responsible for all injury to persons, animals or things, and for all structural and decorative damage to the property which may arise from the operation or neglect of himself or if any nominated sub-contractor's employee whether such injury of damage arise from careless, accident or any other cause whatever in anyway connected with the carrying out of the contract. This clause shall be held to include, inter- alia, any damage to building, whether immediately adjacent or otherwise, and any damage to roads, streets, foot-paths, bridges or ways as all damage caused to the buildings and works forming the subject of this contract by frost or other inclemency of weather. The contractor shall indemnify the employer and hold him harmless in respect of all and any acts of Government or otherwise and also in respect of any awards of compensation or damages consequent upon such claims.
- 21.2. The contractor shall reinstate all damages of every sort mentioned in this clause, so as to deliver up the whole of the contract works complete and perfect in every respect and so as to make good or otherwise satisfy all claims for damage to the property of third party.
- 21.3. The contractor shall indemnify the employer against all claims which may be made against the employer by any member of the public or other third party in respect of anything which may arise in respect of the works or in consequence thereof and shall at his own expense arrange to effect and maintain, until the virtual completion of the contract, with an approved insurer a policy of insurance in the joint names of the employer and contractor against such a risks and deposits such policy or policies with the employer from time to time during the currency of this contract. The contractor shall also similarly indemnify the employer against all claims which may be made upon the employer whether under the workmen's compensation act or any other statue in force during the currency of this contract or at common law in respect of any employee of the contractor or sub-contractor and shall at his own expenses effect and maintain, until the virtual completion of the contract, with an approved insurer a policy of insurance in the joint names of the employer and the contractor against such risks and deposit such policy or policies with the employer from time to time during the currency of the

contract.

The contractor shall be responsible for anything which may be excluded from the insurance policies above referred to and also for all other damages to any property arising out of and incidental to the negligent or defective carrying out of this contract. He shall also indemnify the employer in respect of any costs, charges or expenses arising out of claim or proceeding and also in respect of award of compensation for damage arising there from.

The Employer with the concurrence of the **Consultant / Zonal Head Indian Bank** shall be at liberty and is hereby empowered to deduct the amount of any damage, compensation, costs, charges and expenses arising or occurring from or in respect of any such claims or damage from any or all sums due or to become due to the contractor.

22. **Responsibility for safety of building:** The contractor shall be responsible for the safety of the works (including the materials, temporary buildings and plant) until they are taken over by the employer and they shall stand at there risk, and be in the sole charge of the contractor, who shall be responsible for and must with all possible speed make good all damage from whatever cause.

- 22.a) **Insurance of the works:** The contractor shall within 7 days from the date of commencement of the work insure the works at his cost and keep them insured until one month after the works are taken over by the Employer or three months after the date of completion whichever is earlier against laws or damage by fire and unusual risks other than fire against which insures generally provide cover in a CONTRACTORS ALL RISK POLICY, with names of the employer and contractor(the name of former being placed first in the policy), for the full amount of the contract. Such policy shall cover the property of amount of the employer only and Consultant and surveyor's fees for assessing the claim and in connection with his services generally in re-instatement sub-contractor or employee.

The contractor shall deposit the policy and receipts for the premium paid with the consultant within a week of the date of commencement of the work unless otherwise instructed by the **Consultant / Zonal Head Indian Bank**. In default of the **Consultant / Zonal Head Indian Bank** on his behalf may be due or that may become due to the contractor. The contractor shall as soon as claim under the policy is settled, or the work reinstated by the insurers should they elect to do so, proceed with all due diligence with the completions of the works in the same manner as though the fire or other such risk had not occurred and in all respects under the same conditions of contract. The contractor in case of rebuilding or reinstatement after fire or other such usual risk shall be entitled to such extension of time for completion as the **Consultant / Zonal Head Indian Bank** decides.

- 23 **Liquidated damages:** If the contractor fails to complete the works by the date stated in the Appendix or within any extended time under clause 24 herein below the contractor shall pay or allow the employer the sum named in the appendix as "Liquidated damages" for period during completion of the work as defined in the contract, and the employer may deduct such damages from any money due or that become due to the contractor.

- 24 **Extension of time:** If the contractor shall desire of time for completion of the work on the grounds of his having been unavoidably hindered by such causes as (a) force majeure or (b) any exceptional inclement weather or (c) proceedings taken or threatened by or dispute with adjoining or neighboring owners or public owners or public authorities arising otherwise than through the contractors or (d) the work or delays of other contractors or the **Consultant / Zonal Head Indian Bank** and not referred to in the schedule of quantities and or specifications or (e) strike or lockout affecting any of the building trades or directly the work or (f) delays in the supply of materials stipulated to

be supplied by the employer or any other valid ground, he shall apply in writing to the **Consultant / Zonal Head Indian Bank** within 15 days of the date of such hindrance an account of which he desires such extension as aforesaid and the **Consultant / Zonal Head Indian Bank**, if in his opinion reasonable grounds have been shown thereof, may with the previous approval in writing of the employer make a fair and reasonable extension of time for completion of contract works, but the contractor shall nevertheless the constantly use his Endeavour's to prevent delay and shall do all that may reasonable be required of him to proceed with the work expeditiously provided.

- a. That the contractor shall have no claim other than extension of time for the delay in completion of the work due to such hindrance and
- b. That the contractor shall suspend the works whenever called upon to do so in writing by the **Consultant / Zonal Head Indian Bank** and shall be allowed reasonable extension of time for completion of work due to such suspension of work and nothing else.

25. **Failure of contractor to comply with Consultant / Zonal Head Indian Bank Instruction:** If the contractor, after receipt of written notice from the **Consultant / Zonal Head Indian Bank** requiring compliance within a week fails to comply with such further drawings/and/or **Consultant / Zonal Head Indian Bank** instructions, the employer may employ and pay other persons to execute any such work whatsoever that may employ and pay other persons to execute any such work whatsoever that may necessary to give effect thereto, and all costs incurred in connection there with shall be recoverable from the contractor by the employer on the certificate of the **consultant/ Zonal Head Indian Bank** as a debt or may be deducted by him from any money due or to become due to the contractor.

26. **Termination of contract by Employer:** If the contractor being an individual or a firm commits any "Act of Insolvency", or company shall have an order for compulsory.....voluntarily or be subject to the supervision of the court and of official assignee or the liquidator in such acts of insolvency or winding up, as the case may be and shall be unable within 7 days after notice to him requiring him to do so, to show to the reasonable satisfaction of the **Consultant / Zonal Head Indian Bank** that he is able to carry out and fulfill the contract and to give security therefore, if so required by the **Consultant / Zonal Head Indian Bank** OR if the contractor (whether an individual, firm of incorporated company) shall suffer execution to be issued. OR shall suffer any payment under this contract to be attached by or on behalf of any of the creditors of the contractor. OR shall assign or subject this contract without the consent in writing of the employer first obtained. OR shall charge or encumber this contract or any payments due or which may become due to the contractors there under; OR if the **Consultant / Zonal Head Indian Bank** shall certify in writing to the employer that the contractor.

- i) Has abandoned the contract, or
- ii) Has failed to proceed with the works with such due diligence and failed to make such due progress as would enable the works to be completed within the time agreed upon or
- iii) Has failed to commence the works, or has without any lawful excuse under these conditions suspended the progress of the works for 14 days after receiving the **Consultant / Zonal Head Indian Bank** notice to proceed.
- iv) Has failed to remove the materials from the site or to pull down and replace work for seven days after receiving from the **Consultant / Zonal Head Indian Bank** written notice that the said materials or work were condemned and rejected by the **Consultant / Zonal Head Indian Bank** under these conditions, or

- v) Has neglected or failed persistently to observe and perform all or any of the acts, matters or things by this contract to be observed and performed by the contractor for seven days after written notice shall have been given to the contractor requiring the contractor to observe or perform the same, or
- vi) Has to determine of good workmanship or without the consent in writing of the employer sublet any part of the contract.

Then and in any of the said causes the employer may not withstanding any previous waiver, after giving seven day's notice in writing to the contractor, determine the contract, but without thereby affecting the powers of the **Consultant/ Zonal Head Indian Bank** or the obligations and liabilities of the contractor the whole of 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 behalf of the contractor. And further the employer by his agents or servants may enter upon and take possessions of the works and all plant, tools, scaffolding, sheds, machinery, steam or other power utensils and materials laying upon the premises or the adjoining lands or roads, and use the same as his own property or may deploy the same by means of his own servants and workmen in carrying on and completing the works or by employing other contractor or persons to complete the work and the contractor shall not in any way interrupt do not act, matter, or thing to prevent or hinder such other contractor/s or other person or persons employed for completing and finishing or using the materials as soon thereafter as convenient the **Consultant / Zonal Head Indian Bank** shall give notice in writing to the contractor to remove his surplus materials and plant, and should the contractor fail to do so within a period of 14 days after receipt thereof by him the employer shall be entitled to sell the same by public auction and give credit to the contractor for the amount realized.

The contractor's account shall also be credited with the amount that would have been payable to him, for uncompleted work (completed by the Employer through other contractor/s or person as aforesaid) in terms of his agreement as if the contractor had not been determined and he (the contractor) had continued to execute the work to its completion. The actual gross expense to the employer including incidental charges in completing the uncompleted work through other contractor/s or person or persons shall be debited to the contractor's account if it be not less than the credit for the uncompleted work as above referred if however, the said debit to be made less than the said credit then the amount to be debited shall be less than the said credit, then the amount to be debited shall be equal to the value of the credit given as above referred.

The **Consultant / Zonal Head Indian Bank** shall thereafter ascertain and certify in writing what (if anything) in the final accounting is due and payable to the contractor for the sale of the surplus materials and plant and loss the employer shall have been put any owing, to the contractor and vice versa, and the certificate of the **Consultant / Zonal Head Indian Bank** in this regard shall be final and conclusive between the parties.

- 27 **Certificate and payment:** All bills in triplicate shall be submitted by the contractor along with detailed measurements of the work completed at site provided that at least 30% of the work of the accepted value of the tender has been completed at site by the contractor. The consultant shall check/take the measurements or cause the measurements to be checked/taken for the purpose of having some to be verified and to the extent work has been executed in accordance with the contract, issue interim certificate and the employer shall make payment to the contractor on the basis of such certificates within the period specified for honoring interim certificates (in the appendix to the conditions of the contract) subject to retention of SD at the percentage marked in the said appendix till the whole SD is collected. During the tenure of this contract, only two bills shall be accepted. The first bill shall be as per interim certificate as above and the

second bill shall be the Final bill as detailed under.

And when the works have been virtually completed and the **Consultant/ Zonal Head Indian Bank** shall have certified in writing that they have been so completed, the contractor shall submit the final bill in respect of the contract work within one month thereafter and in accordance with the certificate to be issued by the **Consultant/ Zonal Head Indian Bank** payment shall be made by the employer with in the time named in the appendix as "Installment after virtual completion". And the contractor shall be entitled to the payment of the final balance in accordance with the final certificate to be issued in writing by the **Consultant/ Zonal Head Indian Bank** after the expiration of the period to as "the defects liability period" in the appendix hereto from the date of virtual completion or as soon after the expiry of such period as the works shall have been finally completed and all made good according to the true intent and meaning thereof whichever shall last happen. Provided always that the issue by the **Consultant / Zonal Head Indian Bank** of any certificate during the progress relive the contractor from his liability in case of fraud, dishonesty, or fraudulent concealment relating to the works or material or to any matter dealt with in the certificate and in case of all defects and insufficiencies in the work or materials which is reasonable examination would not have disclosed. No certificate of the **Consultant / Zonal Head Indian Bank** shall it self be conclusive evidence that any work or materials to which it relates are in accordance with the contract neither will be contractors have a claim for any amounts which the **Consultant / Zonal Head Indian Bank** might subsequently be discovered as not payable and in this respect the employer's decision shall be final and binding.

The **Consultant/ Indian Bank** shall have power to withhold any certificate if the works or any parts thereof are not being carried out to his satisfaction. The **Consultant/ Zonal Head Indian Bank**, may, in any certificate make any correction in any previous certificate which shall have been issued by him. No certificate of payment will be issued by the **Consultant/ Zonal Head Indian Bank** if the contractor fails to insure the works and keep them insured till the issue of the virtual completion certificate of payment may be refused if the contractor fails to execute the formal agreement within two weeks of his being called upon to do so.

28. **Security Deposit / Retention moneys bear no interest:**

Return money/security deposit, or the balance of it available with the employer, shall be refunded to the contractor in the manner specified in the Appendix to the conditions of contract and shall bear no interest whatsoever until the date of its return, not withstanding any provision to the contrary elsewhere in this contract.

29. **Matters accepted from Arbitration:** The decision, opinion, direction certificates (except for payment) with respect to all or any of the matters under clauses 2,4,7,9,12,16,18,19,24,26 hereof (which matters are herein referred to as the excepted matters) shall be final and conclusive and binding on the parties hereto and shall be without appeal. Any other decision, opinion, direction, certificate or valuation of the **Consultant/ Indian Bank** or any refusal of the **Consultant/ Zonal Head Indian Bank** to give any of the same shall be subject to the right of Arbitration and review in the same way in all respect (including the provisions as to opening the reference) as if it were a decision of the **Consultant / Zonal Head Indian Bank** under the following clause.

30. **Arbitration Clause:**

- i. 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 on this contract or the rights touching or concerning the works or the execution or maintenance operation or effect thereof or to the rights or liabilities of the parties or arising out of or in relation thereto whether during (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 or after determination, for closure or breach of the contract either of them and to the appointing authority who shall be appointed for this purpose by the employer (NIC) be referred for adjudication to a sole arbitrator to be appointed as herein after provided.
- ii. For the purpose of appointing the sole arbitrator referred to above, the appointment authority will send within thirty days of receipt by him of the written notice aforesaid to the contractor a panel of three names of persons who shall be presently unconnected with the organization for which the work is executed.
 - iii. The contractor shall on receipt by him of the names as aforesaid, select any one of the persons named to be appointed as a sole arbitrator and communicate his name to the appointing authority within thirty days of receipt of him of the names. The appointing authority shall there upon without any delay appoint the said person and the sole arbitrator. If the Contractor fails to communicate such selection as provided above within the period specified, the appointing authority shall make the selection and appoint the selected person as the sole arbitrator.
 - iv. If the appointing authority fails to send to the contractor the panel of three names as aforesaid within the period specified, the contractor shall send to the appointing authority a panel of three names of persons who shall be unconnected with either party. The appointing authority shall on receipt by him of the names as aforesaid select any one of the persons named and appoint him as the sole person and appoint him as the sole arbitrator within 30 days of receipt by him of the panel and inform the contractor accordingly, the contractor shall be entitled to appoint one of the persons from the panel as the sole arbitrator and communicate his name to the appointing authority.
 - v. 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.
 - vi. The work under the contract shall however, continue during the arbitration proceedings and no payment due or payable to the contractor shall be withheld on account of such proceeding.
 - vii. The Arbitrator shall be deemed to have entered on the reference on the date he issues notice to both the parties fixing the date of the first hearing.
 - viii. 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 such place as may be fixed by the arbitrator in his sole discretion.
 - ix. The arbitrator may from time to time, with the consent of the parties, enlarge the time for making and publishing the award.
 - x. The fees, if any of the arbitrators shall, if required to be paid before the award is made and published, be paid half by each of the parties. The costs 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 there of shall be paid and may fix or settle the amount of costs to be paid.
 - xi. The award of the arbitrator shall be final and binding on both the parties.
 - xii. Subject to aforesaid the provisions of the arbitration Act 1940 or any statutory modifications or re-enactment thereof and the rules made there under, and for the time being in force, shall apply to the arbitration proceedings under this clause.

31. **Right of technical scrutiny of final bill:** The employer shall have a right to cause a technical examination of the works and the final bill of the contractor including all supporting vouchers, abstract etc., to be made at the time of payment of the final bill. If as a result of this examination or otherwise any sum is found to have been over paid or over certified it shall be lawful for the employer to recover the sum.
32. **Employer entitled to recover compensation paid to workmen:** If, for any reason the employer is obliged, by virtue of the provisions of sub- section (1) of section 12 of the work men compensation Act 1923, to pay compensation to a work men employed by the contractor, in the execution of the works the employer will recover from the contractor the amount of compensation so paid, and without prejudice, to the right of the employer under sub-section (2) of section 12 of the said Act, the employer will be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by the employer shall not be bound to contest any claim made against him under sub-section (1) of section 12, of the said act, except on the written request of the contractor and upon his giving to the employer full security for all cost for which the employer might become liable in consequence of contesting such claim.
- 33 **Labor laws/Regulations:** The contractor shall employ labor in sufficient numbers directly through sub-contractors to maintain throughout the period of the contract the rate of progress required according to approved program of work and of quality to ensure proper workmanship in accordance with the specifications and drawings and the **Consultant / Zonal Head Indian Bank** instructions.

The contractor will comply with the provisions of all Acts of Government relating to labor and the rules and regulations made there under from time to time. He shall also submit at the proper time all particulars statements required to be furnished to the labor authorities on being directed to do so by the **Consultant / Zonal Head Indian Bank**.

The contractor shall register and obtain necessary licenses, maintain all registers, records, notices and documents and submit returns as prescribed by various enactments required under various statutes including the contract labour (Regulation and abolition) Act, 1970 and rules made there of all the statutory regulations that are in time in all matters concerning this contract. The contractor will also comply with all the rules and regulations stated in the minimum wages Act 1948 and the subsequent amendments. The contractor shall indemnify the employer against any liability that may arise due to the noncompliance of any provisions under minimum wages act 1948 or any enactment affecting the work contemplated under this contract.

34. **Apprentice Act:** The contractor shall comply with the provisions of the Apprentice Act 1961 and the Rules and Orders issued there under from time to time. Failure to do so will amount to a breach of contract and the employer may in his discretion terminate the contract. The contractor shall also be liable for any or other liabilities arising on account of any violation by him of the provisions of the Act.
35. **When Contractor Dies:** Without prejudice to any or remedies under this contract, if the contractor dies, the employer shall have the option of terminating the contract and the contractor would be compensated to the extent of work done and duly certified by the **consultant/Architect. & Employer**
36. **General Indemnity :**The contractor shall indemnify the employer from and against all claims, demands, proceedings, damages, costs and expenses which may be brought or made against employer or to which it may be put by reason of the contractor not conforming to or complying with any of the provisions or requirements of any Act or Status, Central or State, Rules, Regulations, Bye laws of Local Authorities, Panchayat,

Repair/ maintenance/ renovation/ refurbishing work of Indian Bank's own quarters at Dharmottla Quarter, 4, PC Nahar Avenue Taltala, Kolkata.

Collector or any companies relating to or in connection with the works or to labour or for supply of water, light or other amenities at the site.

TECHNICAL SPECIFICATIONS & SPECIAL CONDITIONS IN RELATION TO EXTERIOR CIVIL WORKS.

SAFETY CODE

1. The contractor shall maintain in a readily accessible place "FIRST AID APPLIANCES" Including adequate sterilized dressings and cotton wool.
2. The injured person shall be taken to public Hospital without loss of time, in case where the injury necessitates hospitalization.
3. Suitable and strong scaffolds should be provided for workmen for all works that cannot safely be done from ground.
4. No portable single ladder shall be over 9 meters in length. The width between the side rails shall not be less than 30cm (clear) and the distance between two adjacent rungs not more than 30 cm. When a ladder is used an extra helper shall be engaged for holding the ladder.
5. Every opening in the floor of a building or in a working platform shall be provided with suitable means to prevent the fall of persons or materials by providing suitable fencing or railing, the minimum height of which shall be one meter.
6. No floor, roof or any other part of the structure shall be so loaded with materials as to render it unsafe.
7. Workers shall be provided with protective glasses, footwear, headwear and rubber hand gloves wherever required.
8. Those engaged in welding works shall be provided with welder's protective eye and gloves.
9. I) No paint containing lead or lead products shall be used except in the form of paste or readymade paint.

ii) Suitable facemasks should be supplied for use by the workers when the paint is applied in the form of spray or surface having lead paint if dry rubbed and scraped.

Repair/ maintenance/ renovation/ refurbishing work of Indian Bank's own quarters at Dharmottla Quarter, 4, PC Nahar Avenue Taltala, Kolkata.

- 10.** Overalls shall be supplied by the contractor to the painter and adequate facilities shall be provided to enable the working painters to wash themselves during the period of cessation of work.
- 11.** Hoisting machines and tackle used in the works including their attachments anchorage and supports shall be maintained in perfect conditions.
- 12.** Ropes used in hoisting or lowering materials or as a means suspension Shall be of durable quality and of adequate strength and free from defects.

SPECIAL CONDITIONS

1. These specifications are for the work to be done. Items to be supplied and materials to be used in the works as shown and defined on the drawings and described herein all under the supervision and to the satisfaction of the **Consultant / Zonal Head Indian Bank**.
2. The workmanship is to the best available and of a high standard, use must be made of Specialist tradesman in all aspects of the work and allowance must be made in the rates for doing so.
3. The materials and items to be provided by the contractor shall be the best of their respective kinds and as approved by the **Consultant / Zonal Head Indian Bank** in accordance with the samples which may be submitted for approval and generally in accordance with the specifications.
4. Samples of all materials including those specified by name of the manufacturer or the brands, trades name or by the reference to catalogue Nos. are to be submitted to the either orders delivers in the bulk to site. Samples together with their packing are to be provided by the contractor free of any charge and should any materials are rejected, the same will be removed from the site at the expanse of the contractor.
5. The contractor is also required to submit specimen finishes of all colours, fabrics, polish shades etc, for approval of the **Consultant / Zonal Head Indian Bank** before proceeding with such works.
6. Should it be necessary to prepare shop drawings, the contractor at his own expense prepare and submit at least four sets of such drawings to **Consultant / Zonal Head Indian Bank** for approval.
7. The contractor shall produce all invoices, vouchers or receipts account of all purchases done by him for materials if called upon to do so either by **Consultant / Zonal Head Indian Bank**.
8. The contractor should verify all measurements given in the drawings at the site before commencing the work. Any difference should be clarified with the Consultant before commencing the work.
9. Partition line out shall be done at the site before starting the work and got approved from the Consultants.
10. The contractor shall submit Bar chart (CPM method) for the complete work within one week of letter of acceptance of tender and get the same approved from **Consultant / Zonal Head Indian Bank** in advance to co-ordinate the work with other agencies.
11. The contractor shall make necessary security arrangements at the site for the safety of his tools, materials and equipment etc, his own cost.
12. Sales Tax, VAT and any other Taxes, will not be paid separately. The Tenderer must include these charges in the rates quoted, if applicable. No separate claim on this account will be entertained under any circumstances whatsoever. The tenderer shall quote his rates inclusive of cost of materials, corresponding wastages, labour, sales tax and any other taxes and duties, octroi, and cost of transportation of materials to work site etc.

The rates are firm and no escalation on any account shall be allowed on accepted rates.

TECHNICAL SPECIFICATIONS FOR INTERIOR DECORATION

1. Timber: Hardwood or Teakwood shall be the best wood locally available and should be well & properly seasoned of mature growth free from worm holes, large loose or dead knots or other defects and will not suffer warping, spilling or other defects through improper handling.

Teakwood to be either CP or Ballarshah and shall be best quality, free from soft heart, worm & bee holes and other defects.
2. All wrought timber is to be sawn, planned or works to correct sizes and shapes as shown in the drawings. An allowance of 2mm shall be permitted for each wrought face.
3. All wooden members shall be liberally coated and treated with anti-termite paint before fixing.
4. Plywood: Plywood shall be of BWR IS-101 of approved commercial type, make, and brand etc; Thickness of plywood shall be as per details given in the drawings/specifications.
5. Workmanship for joinery: Timbers is to be cut to require size and length and the joinery should start immediately after the line out is finalized. It should be framed up (But not bonded) and stored until required for fixing in position. At this stage it should be bonded and wedged up. Any portion that warps or develops shakes or other defects shall be replaced facing wedging up. The whole work is to be framed and finished in a proper line or level and as detailed in the drawings and fitted with all necessary metal ties, straps bolts, screws.
6. Twinning bonded joints are to be cross tongued with teak tongues.
7. The contractor shall be responsible for providing and maintaining temporary coverage required for the protection of dressed, finished or semi finished works if left unprotected. He is also to clean out all shavings, cut ends and other wastages from all parts of the work at his expenses.
8. Laminate sheeting shall be of specified thickness, make and either plain, sued, satin or with design finish and samples showing the surface texture and pattern are to be submitted in proper sizes for approval before use.
9. The laminates shall be fixed with proper adhesive of approved grade and brand.
10. The contract surfaces of dowels, Tenos, wedges etc, shall be glued with proper adhesive. Where ever joiner and carpentry works is likely to come in contact with moisture the adhesive shall be water proof.
11. Hardware : Shall be of approved make and quality, samples of each and every hardware item should be submitted and got approved before using. This hardware shall generally confirm to following:
12. Butt Hinges: Shall be either brass oxidized or power coated aluminum with pins and washers heavy duty type or as specified.

13. Mort ice Locks: six levers.
14. Tower bolts: Brass oxidized or powder coated aluminum.
15. Glass & Glazing: The glass used for glazing shall be plain, complying with IS: 3548 unless otherwise specified.
16. The glass shall be free from any defects such as bubbles, undulations, waves and cracks etc.
17. Painting & Polishing: All materials required for this work shall be of specified and approved manufacturer, delivered to the site in manufacturers containers with seals etc. unbroken and clearly marked with manufacturers name of trademark with a description of the contents and colors. All materials to be stored at the site.
18. All brushes, tools, pots, kettles etc, used in carrying out the work shall be clean and free from foreign matter.
19. Surfaces of the new wood work which are to be painted are to be robbed down. Knotted and stopped to the approval of **Consultant / Zonal Head Indian Bank**.
20. Surfaces of previously painted wood work which are to be repainted shall be cleaned with soap solution of approved solvent to remove dirt, grease etc. Whilst wet the surface shall be flatted down with suitable abrasive and then rinsed down and allowed to dry. Minor area of defective paint shall be removed by scrapping back to a firm edge and the exposed surface touched in with primer as described and stopped with putty. Where the wood mark has been previously painted or polished and is to be newly polished, the same shall be prepared with scrapping, burning off or rubbing down. Surfaces of previously painted metal surfaces which are to be repainted shall be cleaned, flatted down and any rust and loose scale shall be removed completely by chipping, scrapping and wire brushing back to bare metal and touched in with primer as directed by Consultant.
21. Aluminum sections: Aluminum services shall be factory extruded out of aluminum ingots with smooth finish without any defects like pore, roughness" etc, and shall be accurate in size, shape and weight etc.

22. List of INDIAN STANDARDS referred to :

IS: 1200:	latest Measurements of buildings & civil engineering works, Methods of
IS: 287 1973	Recommendation for maximum permissible moisture Content of timber
IS: 1411 1973	Code of practice for seasoning of timber.
IS: 3845 1966	Code of practice for joints used in wooden furniture. IS: 3548 1966 glazing in buildings.
IS: 1137 1965	Specifications for ready mixed paint
IS: 113 1950	Brushing matt or egg shell flat/wooden
IS: 133 1975	Coating/undercoating/finishing, grey filler etc, for
IS: 110 1968	Interiors
IS: 129 1950	

23. INSPECTION AND TESTING:

The **Consultant / Zonal Head Indian Bank** shall be entitled at all times at the risk of contractor to inspect and/or test by itself through an independent agency appointed by the Employer to inspect, and/or test all the materials, components, and items of work at the expenses of the contractor. All such tests shall be done as per ISI guidelines and as directed by **Consultant / Zonal Head Indian Bank**.

LABOUR LAWS AND RULES

The Contractor shall submit the labour report fortnightly to the Architect/Client & maintains relevant records and fulfils all conditions and requirements in accordance with

- a. The payment of Wages Act
- b. Employer's Liability Act
- c. Workmen's Compensation Act
- d. Contract Labour (Regulations & Abolition) Act 1970 and Central Rules 1971
- e. Apprentices Act 1961
- f. Any other Act or enactment relating thereto and rules framed there under from time to time.

The **Site Engineer** shall refrain from involving himself and the supervisors under him by comments / advice / attempts at mediation in any kind of labour dispute at site. **His job is only to report to his superiors any happenings of this sort in an objective manner.**

RATES

1. Quantities mentioned are approximate and payment shall be made on actual measurements.
2. The rate of partitions and wall cladding shall include necessary additional frame work supports wherever required to suite the site conditions or stability of the frames.
3. Rate for doors will include provision of Hardware like hinges, locks, handles, tower bolts, door stoppers etc., of approved design and make
4. Rates for hardware to include supplying and fixing of necessary matching screws (Brass or powder coated)
5. The rates for provisions of furniture shall include for placing the required furniture in position and protecting from damage until over to **Zonal Head Indian Bank**.
6. The rates for all painting and polishing works shall include all preparation of surfaces, sand papering or rubbing down before each coat, all brushes and cleaning materials.
7. After completion of the work the site shall be cleared from all waste, rubble, left over materials etc., and thoroughly cleaned ensuring that all laminates, floorings, walls, furniture surfaces and tops etc., are spotless clean.

8. The aluminum extruded sections shall generally confirm to dimensions given in the drawings and specifications, correspondingly ensuring the minimum weight structure as specified in manufactures catalogue.
9. An allowance of 5% may be allowed for the dimensions of Aluminum sections at the discretion of the **Consultant /Zonal Head Indian Bank**.

Annexure – X

UNDERTAKING

This is to confirm that we M/s _____ (give full address) have not been blacklisted/left any work abandoned in any of the government department and public sector undertaking / enterprise in India and central Vigilance commission, in last five year before release of advertisement. If the above information found false at any stage after the placement of Purchase/work Order, **Dy.General Manager (SiC), Indian Bank, Zonal Office, 3/1, R. N. Mukherjee Road, Kolkata.** Rein after called Procurement Consultant) will have full right to cancel the Purchase/work Order and forfeit the Performance Guarantee. All the direct and indirect cost related to the cancellation of the order will be borne by us besides any legal action by **Indian Bank**, which may be deemed fit at that point of time.

Authorized Signatory

NOTE: TENDERER SHALL VISIT THE SITE BEFORE QUOTING. NECESSARY DRAWINGS MAY BE COLLECTED FROM THE ARCHITECT OFFICE.

PRICE BID OF CIVIL WORKS

ANNEXURE - 1

CIVIL WORK FOR INDIAN BANK FLATS, KOLKALA

S.No.	Description	Unit	Qty	RATE	AMOUNT	Remarks
A	CIVIL WORKS					
A.1	Scaffolding.					
	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineerin-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding.	Sqm	4900.00			DSR Item No.14.72
A.2	Scrapping of Plaster/Mortar					
	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	1025.00			DSR Item No. 15.56
A.3	Demolition of RCC Members					
	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	Cum	3.00			DSR Item No. 15.3
A.4	Disposal of Rubbish					

	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	Cum	25.00			DSR Item No. 15.60
A.5	Plastering					
	Wall/ Ceiling Plastering					
	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and lastering the surface of the walls complete, including disposal of rubbish to the dumping ground within 50 metres lead :					
	With cement mortar 1:4 (1 cement: 4 coarse sand)	Sqm	1025.00			DSR Item No.14.1.2
A.6	Repairing of roof					
	Regrading terracing of mud phaska covered with tiles of brick, in cement by dismantling tiles or brick, removing mud plaster, preparing the surface of mud phaska to proper slop, relaying mud plaster gobri leaping and tiles or brick, grouted in cement mortar 1:3 (1 cement : 3 fine sand), including replacing unserviceable tiles or brick with new ones and disposal of unserviceable material to the dumping ground (the cost of new tiles or brick excluded) within 50 metres lead.	Sqm	765.00			DSR Item No.14.13
A6.1						
	Tile brick masonry with common burnt clay F.P.S. (non modular) tile bricks of class designation 10 in plain arch work in superstructure above plinth and upto floor five level in cement mortar 1:4 (1 cement : 4 coarse sand) including centering and shuttering complete.	Cum	6.00			DSR Item No.6.20
A.7	Repairing of old RCC members.ie. Beams,slabs,cols etc.					

A.7.1	Repairing and strengthening of RCC members like slab/beam/columns etc. Chasing and hacking the damaged surface providing and welding additional TMT rebar of Fe-500 (if required) after thoroughly sandblasting/sandpapering (as required) the existing rebar to make it rust free surface. The necessary concreting to be done with M-30 grade design mix (28 days strength to be checked and standard deviation of the collected sample will be as per IS standard and will be 4).Coat/s polymer modified old-new concrete joining material of NITOBOND or equivalent to be applied as per the manufacturer's specification before concreting.The proper clear cover to be maintained in all members and for column it will be 40 mm, for beam and slab will be 25 and 15 mm respectively.This rate is inclusive of necessary shuttering,scaffolding/padding (if external surface) curing for at least 14 days, all complete as per the direction of the Architect. <u>UPTO 15-25 mm depth.</u>	Sqm	147.00			MR
A.7.2	Repairing and strengthening of RCC members like slab/beam/columns etc. Chasing and hacking the damaged surface providing and welding additional TMT rebar of Fe-500 (if required) after thoroughly sandblasting/sandpapering (as required) the existing rebar to make it rust free surface. The necessary concreting to be done with M-30 grade design mix (28 days strength to be checked and standard deviation of the collected sample will be as per IS standard and will be 4).Coat/s polymer modified old-new concrete joining material of NITOBOND or equivalent to be applied as per the manufacturer's specification before concreting.The proper clear cover to be maintained in all members and for column it will be 40 mm, for beam and slab will be 25 and 15 mm respectively.This rate is inclusive of necessary shuttering,scaffolding/padding (if external surface) curing for at least 14 days, all complete as per the direction of the Architect. <u>UPTO 25 mm depth.</u>	Sqm	147.00			MR

A.7.3	Repairing and strengthening of RCC members like slab/beam/columns etc. Chasing and hacking the damaged surface providing and welding additional TMT rebar of Fe-500 (if required) after thoroughly sandblasting/sandpapering (as required) the existing rebar to make it rust free surface. The necessary concreting to be done with M-30 grade design mix (28 days strength to be checked and standard deviation of the collected sample will be as per IS standard and will be 4).Coat/s polymer modified old-new concrete joining material of NITOBOND or equivalent to be applied as per the manufacturer's specification before concreting.The proper clear cover to be maintained in all members and for column it will be 40 mm, for beam and slab will be 25 and 15 mm respectively.This rate is inclusive of necessary shuttering,scaffolding/padding (if external surface) curing for at least 14 days, all complete as per the direction of the Architect. <u>UPTO 40 mm depth.</u>	Sqm	147.00			MR
A.8	Steel Work					
	Steel reinforcement for R.C.C. work including straightening, cutting, bending,placing in position and binding all complete above plinth level					
	Thermo-Mechanically Treated bars	Kg	200.00			DSR Item No. 5.22A.6
A.9	Form Work					
	Walls (any thickness) including attached pilasters, buttersesses, plinth and string courses etc.	Sqm	10.00			DSR Item No. 5.9.2
A.10	RCC Work					

	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using fly ash and cement content as per approved design mix, and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering, shuttering, finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate / retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge.					
	All works above plinth & up to floor V level.	Cum	2.00			DSR Item No. 5.40.2
	Sub total Civil Work (A)					
B	PLUMBING WORKS					
B.1	Dismantling of Old CI Pipes					
	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead					
	100 mm dia pipe	Rm	300.00			DSR Item No. 15.42.2
B.2	Providing and fixing soil, waste and vent pipes 100 mm dia					
	Sand cast iron S&S pipe as per IS: 1729	Rm	300.00			DSR Item No. 17.35.1.1
	Sub total Plumbing Work (B)					
C	FINISHING WORK					

C.1	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sqm	18250.00			DSR Item No. 14.46
	Sub total FINISHING work (C)					
D	MISCELLANEOUS WORKS					
D.1	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty	Sqm	40.00			DSR Item No. 14.5.2
D.2	FLOOR RUBBING AND POLISHING					
	Floor polishing on masonry or concrete floors with wax polish approved brand and manufacture.	Sqm	4600.00			DSR Item No. 13.70
	Subtotal MISCELLANEOUS Work					
	Grand Total (A+B+C+D)					

PRICE BID FOR SANITARY WORKS

ANNEXURE - 2

SANITARY WORK FOR INDIAN BANK FLATS AT KOLKOTA (ONLY 22 TOILETS)

S.No.	Description	Unit	TOTAL	RATE	Amount	
1	SANITARY FIXTURES (PROVIDING & FIXING)					
I	Providing and fixing vitreous china wall hung type European Water Closet with C.P. bolts, nuts C.I. chair or other hanging arrangement, solid white plastic seat with lid C.P brass hinged and rubber buffers, 32mm dia flush pipe (G.I. of medium class)					
	Parryware	Each	22.00			
II	Providing and fixing slim concealed cistern WC with wall Mounting frame & installation kit for wall hung WC with control Plate Smarty Design All Chrome complete.					
	Parryware	Each	22.00			
III	Providing & fixing vitreous china Oval wash basin complete with 32mm C.P.cast brass bottle trap and connection pipe to wall with C.P. wall flange and rubber adopter for waste connection					
	Parryware	Each	22.00			
IV	Providing and fixing:- Concealed Divertor of approved make.	Each	22.00			
V	Providing and fixing:- Bath spout w/o divertor of approved make.	Each	22.00			
VI	Providing and fixing:- over head shower of approved make.	Each	22.00			

VII	Providing and fixing:- Combination Towel Shelf & Towel bar make complete as per instructions at site.	Each	22.00			
VIII	Providing and fixing 15mm C.P brass pillar cock with C.P brass threaded flange complete, including cutting and making good the walls wherever required.					
		Each	22.00			
IX	Providing and fixing 15mm C.P brass bib tap with C.P brass threaded flange complete, including cutting and making good the walls wherever required.	Each	44.00			
X	Providing and fixing 15mm C.P.brass angle valve with C.P copper connecting pipe 375mm long and nuts, washer with C.P. brass flange complete, including cutting and making good the walls, wherever required.	Each	44.00			
XI	Providing and fixing hand drier of best quality, to be operated with 230 volts, single phase, with fully hygienic condition, with all accessories including cutting and making good the walls, wherever required.	Each	22.00			
XII	Providing and fixing tissue dispenser complete including cutting and making good the walls wherever required.	Each	22.00			
XIII	Providing and fixing ABS body 0.5litre liquid soap dispenser with simple push lever fitted with liquid soap (one time) including cutting and making good the walls, wherever required.	Each	22.00			
XIV	Providing and fixing C.P. brass towel ring fixed to wooden cleats with C.P. brass screws including cutting and making good the walls wherever required. (Size 300mm dia)	Each	22.00			
XV	Providing and fixing C.P cast brass twin coat hook fixed to wooden cleats with C.P. brass screws.	Each	22.00			

XVI	Providing and fixing C.P brass airpurifier container, fixed to wooden cleats with C.P brass screws, complete including cutting and making good the walls wherever required.	Each	22.00			
XVII	Providing and fixing Health faucet in PVC Flexible Tube with wall hook	Each	22.00			
XVIII	Providing and fixing Toilet Paper holder in Toilets complete as per drawing vendors specification	Each	22.00			
XIX	Providing and fixing concealed stop cock 15mm					
		Each	22.00			
XX	Providing and fixing C.P. Jaali					
	100mm Dia	Each	28.00			
	75mm Dia	Each	18.00			
2	Internal Water supply and Drainage					
I	Providing and fixing G.I. pipe complete with G.I. fitting and clamps, i/c cutting and making good the walls etc.					
a	15mm dia nominal bore.	Mtr.	225.00			DSR Item No. 18.10.1
b	20mm dia nominal bore.	Mtr.	175.00			DSR Item No. 18.10.2
	25mm dia nominal bore.	Mtr.	120.00			DSR Item No. 18.10.3
II	Providing and fixing soil, waste and vent pipes Sand cast iron S&S pipe as per IS: 1729					
a	75mm dia	Mtr.	90.00			DSR Item No. 17.35.1.1
b	100mm dia	Mtr.	115.00			DSR Item No. 17.35.1.2
iii	Providing & fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm with provision for connecting G.I.inlet fitting complete, including cost of cutting and making good the walls and floors.(Sand Cast Iron S&S as per IS: 1729)					

a	For 100mm inlet and 100mm outlet.	Each	28.00			DSR Item No. 17.60.1.2
b	For 100mm inlet and 75mm outlet.	Each	18.00			DSR Item No. 17.60.2.2
3	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.					
	For thickness of tiles 10 mm to 25 mm	Sqm	460.00			DSR Item No. 15.23.1
4	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	Each	22.00			DSR Item No. 15.52
5	Dismantling GI pipes (exterior work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction Engineer in charge. (15 mm to 40 mm nominal bore)	Mtr.	520.00			DSR Item No. 15.44
6	Cermic Wall Tile					
	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	376.00			DSR Item No. 11.36
7	Cermic Floor Tile					
	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigments etc., complete.	Sqm	84.00			DSR Item No. 11.38

8	Providing and fixing 6 mm thick looking mirror of superior glass(of approved quality).	Each	22.00			
9	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of:					
	(i) Ist course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface.					
	(ii) IInd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface.					
	(iii) IIIrd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area.					
	(iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).	Sqm	142.00			DSR Item No. 22.3
10	Brick bats	Cum	13.00			
11	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	Cum	3.50			DSR Item No. 4.1.8
		TOTAL				

PRICE BID OF ELECTRICAL WORKS

BILL OF QUANTITIES						
S.No.	DSR ITEM CODE / NSR	DESCRIPTION	UNIT	QTY.	RATE (Rs.)	AMOUNT (Rs.) IN FIGURES
1		SUB DISTRIBUTION PANEL				
1.1	NSR	Design, manufacture, supplying at site of the following cubical type, dead front, 2mm thick sheet steel enclosed, free standing indoor type extendible Sub Distribution Panel with vermin proof hinged lockable doors for each compartment provide bus bar interconnections for incoming and outgoing including feeders earthing and painting and as per specifications.				
	NSR	The SDB L& P - 1 shall consists of :	Set	1		
		MAIN INCOMER - 1				
		Main incomer 200 A 4P MCCB (25 kA) with 200 4P automatic changeover switch suitable to receive cable on the one side & Busbar connection on the other side				
		BUSBARS				
		300 amps 4 pole busbar chamber of suitable length with AL busbars. All busbars and interconnections shall be of suitable size aluminium strips current density of aluminium shall not be more than 0.8 Amps/sq.mm.				

		INDICATING PANEL				
		3 nos phase indicating lamps each backed up with MCB and switch shall be provided for incomer.				
		Intelligent Panel Meter (96 mm x 96 mm) covering 25 electrical parameters with RS 485 port for incoming feeder				
		Outgoing Feeders				
		1 Nos 63 A TPN MCCB (25 kA) terminals suitable to receive Cable on one side and Busbar connection on the other side.				
		2 Nos 63 A TPN MCB (10 kA) terminals suitable to receive Cable on one side and Busbar connection on the other side.				
		21 Nos 40/32 A DP MCB (10 kA) terminals suitable to receive Cable on one side and Busbar connection on the other side.				
		SDB Light & Power as described above and specifications complete.				
1.2	NSR	Providing & fixing in position 1000 mm wide , Electrical Insulating Mats as per IS 15652:2006, 2mm thick, suitable upto 3.3 KV , fire retardant, no effect of acids, alkalies and transformer oils, moisture proof, high tensile strength and texture finish / cloth impression (Anti slip , marking on top) Duratuf make	RM	2		
1.3	NSR	Supply & fixing in position approved shock treatment chart written in English Hindi and Local language. These charts shall be framed in wooden frame & covered with clear glass	Nos.	1		
1		TOTAL OF SUB DISTRIBUTION PANEL				
2		CABLE WORK				

2.1	NSR	Supplying of armoured aluminium conductor of 1100 V grade conforming to IS -7098 Part 2 amended upto date as per the following size.				
2.1.1	NSR	1100 V 3.5 x 120 sq. mm PVC insulated and PVC sheathed / XLPE armoured Aluminium conductor Cables	RM	50		
2.1.2	NSR	1100 V 3.5 x 95 sq. mm PVC insulated and PVC sheathed / XLPE armoured Aluminium conductor Cables	RM	-		
2.1.3	NSR	1100 V 3C x 4 sq. mm XLPE armoured Copper conductor Cables	RM	-		
2.1.4	NSR	1c x 16 sq.mm PVC insulated PVC flexible copper conductor cables	RM	-		
2.1.5	NSR	1C x 10 Sq. mm PVC insulated PVC flexible copper conductor cables (Green Colour)	RM	0		
2.1.6	NSR	2Rx 1C x 10 Sq. mm PVC insulated PVC flexible copper conductor cables (Green Colour)	RM	0		
2.1.7	NSR	1 x 6.0 Sq. mm PVC insulated PVC flexible copper conductor cables (Green Colour)	RM	0		
2.2	NSR	Providing and fixing in position the following size of medium class G.I. pipes for drawing underground cables etc. complete with Bends, collars etc.				
2.2.1		2mm thick 50mm dia G.I. Pipe	RM	0		
2.2.2		2mm thick 100mm dia G.I pipe	RM	0		
2.3	4.1	Supplying and installing following size of perforated pre-painted M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.				

2.3.1	4.1.2	150 mm width X 50 mm depth X 1.6 mm thickness	RM	50		
2.3.2	4.1.4	300 mm width X 50 mm depth X 1.6 mm thickness	RM	40		
2.3.3	4.1.6	450 mm width X 50 mm depth X 2.0 mm thickness	RM	0		
2.3.4	4.1.7	600 mm width X 50 mm depth X 2.0 mm thickness	RM	0		
2		TOTAL OF CABLE WORK				
3		EARTHING SYSTEM				
		G.I Plate Electrode :				
3.1	5.4	Earthing with G.I earth plate 600 x 600 x 6 mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and water pipe of 2.7 metre long etc with charcoal/coke and salt complete as required.(Body Earthing)	Set	2		
		Copper Plate Electrode :				
3.2	5.6	Earthing with copper earth plate 600 x 600 x 3 mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc with charcoal or coke and salt as required.	Set	-		
3.3	6.13	Providing and laying copper tape 32 mm x 6 mm from earth electrode directly in ground as required	RM	-		
3.4	6.14	Providing and laying G.I tape 32 mm x 6 mm from earth electrode directly in ground as required	RM	-		
3.5	5.15	Providing and fixing 25 mm x 5 mm G.I. strip on surface or in recess for connections etc. as required	RM	125		
3.6	5.14	Providing and fixing 25 mm x 5 mm copper strip on surface or in recess for connections etc. as required	RM	-		
		S/L 6 SWG G.I wire in ground				
3.7	5.18	Providing and fixing 6 SWG dia G.I wire on surface or in recess for loop earthing along with existing surface/recessed conduit /submain wiring/ cable as required.	RM	100		

3		TOTAL OF EARTHING SYSTEM				
4		CABLE LAYING				
4.1	7.8	Laying and fixing of one number PVC insulated and PVC sheathed /XLPE power cable of 1.1 KV grade of following size on cable tray as required.				
4.4.1	7.8.1	Up to 35 sq mm (clamped with 1 mm thick saddle)	Mtr.	50		
4.4.2	7.8.2	Above 35 sq mm and up to 95 sqmm(clamped with 25x3 mm M.S flat clamp)	Mtr.	-		
4.2	8.5	Laying of one number PVC insulated and PVC sheathed/ XLPE power cable of 33 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.				
4.2.1	8.5.2	Above 120 sq mm and upto 400 sqmm	Mtr.	-		
4.3	3.3	Supplying and fixing cable route marker with 10 cm x 10 cm x 5 mm thick G.I. plate with inscription there on, bolted/welded to 35 mm x 35 mm x 6 mm angle iron, 60 cm long and fixing the same in ground as required	Nos.	-		
		S/M LV/MV Cable end Terminations				
4.4	9.1	Supplying and making and termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed /XLPE aluminum conductor cable of 1.1 KV grade of the following sizes are required.(DSR ITEM)				
4.4.1	9.1.25	1100 V 3.5 x 120 sq. mm PVC insulated and PVC sheathed / XLPE Armoured Aluminium conductor Cable	Each	2		

4.4.2	9.1.24	1100 V 3.5 x 95 sq. mm PVC insulated and PVC sheathed / XLPE Armoured Aluminium conductor Cable	Each	-		
4.4.3	9.1.33	1100 V 4C x 16 sq. mm PVC insulated and PVC sheathed / XLPE Armoured Aluminium conductor Cable	Each	-		
4.4.4	NSR	1100 V 4C x 4 sq. mm PVC insulated and PVC sheathed / XLPE Armoured copper conductor Cable	Each	-		
4.4.5	NSR	1100 V 3C x 4 sq. mm PVC insulated and PVC sheathed / XLPE Armoured copper conductor Cable	Each	-		
4.4.6	NSR	1c x 16 sq.mm PVC insulated PVC flexible copper conductor cables (For 15 KVA UPS)	Jt	0		
4		TOTAL OF CABLE LAYING				
5		INTERNAL WIRING				
		POINT WIRING				
		All wire shall be FRLS.				
		Wiring in Steel Conduit				
5.1	1.3	Point wiring in steel conduit, with modular type switch				
		Wiring for light point /fan point/exhaust fan point/call bell point with 1.5 Sq.mm FRLS PVC insulated copper conductor single core cable in surface/recessed steel conduit, with modular switch, modular plate, suitable size GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.				
5.1.1	1.3.3	Group C	Point	115		
5.2	1.11	Twin Control Point wiring in PVC conduit, with modular type switch				

		Wiring for twin control light point with 1.5 Sq.mm FRLS PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit, two way modular switch, modular Plate, suitable G.I box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.	Point	10		
5.3	1.14	Circuit/sub-main wiring in PVC conduit:-				
		Wiring for circuit/submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required.				
5.3.1	1.14.1	2 x 1.5 sq. mm + 1 x 1.5 sq. mm earth wire	Metre	-		
5.3.2	1.14.2	2 x 2.5 sq. mm + 1 x 2.5 sq. mm earth wire(for ckt wiring)	Metre	-		
5.4	1.7	Circuit/sub-main wiring in steel conduit:-				
		Wiring for circuit/submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed steel conduit as required.				
5.4.1	1.7.1	2 x 1.5 sq. mm + 1 x 1.5 sq. mm earth wire	Metre	-		
5.4.2	1.7.2	2 x 2.5 sq. mm + 1 x 2.5 sq. mm earth wire(for ckt wiring)	Metre	550		
5.4.3	1.7.3	2 x 4 sq. mm + 1 x 4 sq. mm earth wire(for power plug)	Metre	800		
5.4.4	1.7.4	2 x 6 sq. mm + 1 x 6 sq. mm earth wire(for power plug)	Metre	-		
5.4.5	1.7.5	2x10 sq.mm+1x10sq. Mm earth wire.(for sub Main)	Metre	-		
5.4.6	1.7.6	2x16 sq.mm+1x16sq. Mm earth wire.(for sub Main)	Metre	450		
5.4.7	1.7.8	4x4 sq.mm+2x4sq. Mm earth wire.(for AC Units)	Metre	-		
5.4.8	1.7.10	4x10 sq.mm+2x10sq. Mm earth wire.(for sub Main)	Metre	-		

5.4.9	1.7.11	4x16 sq.mm+2x16sq. Mm earth wire.(for sub Main)	Metre	-		
5.5	1.17	Wiring in Existing Conduit				
		Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel / PVC conduit as required.				
5.5.1	1.17.2	2 X 1.5 Sq. mm	Metre	-		
5.5.2	1.17.3	3 X 1.5 Sq. mm	Metre	-		
5.5.3	1.17.1 2	3 X 2.5 Sq. mm	Metre	-		
5.6	1.18	Telephone wiring in existing conduit :				
		Supplying and drawing following pair, 0.5 sq. mm FRLS PVC insulated annealed copper conductor, unarmoured telephone cable in the existing surface/recessed steel/PVC conduit as required				
5.7	1.18.2	2 Pair	Metre	250		
5.8	1.19	TV Cable in existing Conduit				
		Supplying and drawing co-axial TV Cable RG - 6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required.	Metre	100		
5.9	1.20	S/F steel conduit :				
		Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit or cutting the wall and making good the same in case of recessed conduit as required				
5.9.1	1.20.1	20 mm	Metre	250		
5.9.2	1.20.2	25 mm	Metre	40		
5.10	1.21	S/F PVC conduit :-				

		Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
5.10.1	1.21.1	20 mm	Metre	200		
5.10.2	1.21.2	25 mm	Metre	40		
5.10.3	1.21.3	32 mm	Metre	-		
5.11	1.24	S/F modular type switch/socket :				
		Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
5.11.1	1.24.1	5/6 Amps Switch	Each	12		
5.11.2	1.24.4	3 pin 5/6 Amps Socket outlet	Each	-		
5.11.3	1.24.3	15/16 Amps Switch	Each	14		
5.11.4	1.24.5	6 pin 15/16 Amps Socket outlet	Each	10		
5.11.5	1.24.6	Telephone socket outlet	Each	10		
5.11.6	1.24.7	TV Antenna Socket Outlet	Each	10		
5.12	1.25	S/F modular type electronic fan regulator :				
		Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required	Each	2		
5.13	1.27	S/F modular boxes, base & cover plate :				
		Supplying and fixing following size/modules, GI box along with modular base & cover plate for modular switches in recess etc as required				
5.13.1	1.27.1	1 or 2 Module (75 mm x 75 mm)	Each	-		
5.13.2	1.27.2	3 Module (100 mm x 75 mm)	Each	12		

5.13.3	1.27.3	4 Module (125 mm x 75 mm)	Each	20		
5.13.4	1.27.4	6 Module (200 mm x 75 mm)	Each	-		
5.13.5	1.27.5	8 Module (125 mm x 125 mm)	Each	-		
5.13.6		Blankers	Each	-		
5.14	1.31	S/F light plug point modular type accessories:				
		Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	Each	-		
5.15	1.32	S/F power plug point modular type accessories:				
		Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 15/16 & 5/6 amps modular socket outlet and 15/16 amps modular switch, connection, etc. as required.	Each	-		
5.16	1.41	ITC of Light Fixture				
		Installation, testing and commissioning of pre-wired, fluorescent fitting/compact fluorescent fitting of all types, with all accessories and tube etc. directly on ceiling/wall, including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	115		
5.17	1.45	ITC ceiling fan :				
		Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.	Each	10		
5.18		Supplying, Installation, testing and commissioning of hexagonal ceiling fan box, including fixing with all accessories complete as required etc.	Each	10		

5.19	1.5	Fixing louvers/shutters for exhaust fan				
		Installation of exhaust fan in the existing opening, including making good the damage, coonnection, testing, commissioning etc. as required				
5.19.1	1.50.1	Upto 450 mm sweep	Each	7		
5.20	NSR	Fabricating supplying to site of installation, installation on ceiling/ surface 1.6 mm thick M.S. power coated raceways of height 50 mm and 2.0 mm thick openable cover, totally enclosed, the joints between two lengths of channels or between channel and junction box shall be joined together with 3 mm thick MS powder coated coupler plates to make it dust and water proof. The cost shall including all supporting and fixing accessories including dash fasteners.				
5.20.1	NSR	250 mm (wide) x 50 mm (height)	RM	0		
5.20.2	NSR	150 mm (wide) x 50 mm (height)	RM	0		
5.20.3	NSR	100 mm (wide) x 50 mm (height)	RM	0		
5.21	NSR	Fabricating supplying to site of installation, in floor including chase cutting of floor,leveling, refilling and making good the same from 1.6 mm thick pregalvanised MS CRCA sheet, totally enclosed, height 40 mm . The two lengths of raceways shall be fitted with Collars , 50 mm wide, 3 mm thick , press fit type. The raceways shall be clamped to the floor slab with GI clamps , 3mm thick and shall be screwed to the floor slab. The joint between raceway and junction box will be made with GI flexible strip(3 nos), 3 mm thick, 4 inches long ,15 mm wide which will be nut bolted to the Junction box complete as required etc.				
		(variation in height may be considered for quoting as floor thickness may vary)				

5.21.1	NSR	250 mm (wide) x 40 mm (height)	RM	0		
5.21.2	NSR	150 mm (wide) x 40 mm (height)	RM	0		
5.21.3	NSR	100 mm (wide) x 40 mm (height)	RM	0		
5.21.4	NSR	55 mm (wide) x 40 mm (height)	RM	0		
5.22	NSR	Fabricating supplying to site of installation, 2 mm thick M.S. sheet steel power coated 5 sided junction boxes with 2.0 mm thick GI Sheet Cover including providing rubber gasket between the cover and the junction box, brass screws height as per site condition and totally enclosed, welded. the channel and junction box shall be seam welded together to make it dust and water proof. Proper cutouts shall be made in the side walls for raceway entry.				
5.22.1	NSR	300 mm x 300 x 60 mm (height)	Nos.	0		
5.22.2	NSR	200 mm x 200 x 60 mm (height)	Nos.	0		
5.22.3	NSR	150 mm x 150 x 60 mm (height)	Nos.	0		
5.22.4	NSR	100 mm x 100 x 60 mm (height)	Nos.	0		
5		TOTAL OF INTERNAL WIRING				
6		MCB DISTRIBUTION BOARD				
6.1	2.1	S/F 'C' series, SP MCB				
		Supplying and fixing 5 amps to 32 amps rating, 240/415 volts. "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
6.1.1	2.10.1	Single Pole	Each	90		
6.1.2	2.10.2	Single Pole & neutral	Each	-		

6.1.3	2.10.5	Triple Pole & neutral	Each	-		
6.2	2.14	Supplying and fixing following rating ,double pole(single phase and neutral), 240 Volts,residual current circuit breaker (RCCB), having a sensivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc.as required.				
6.2.1	2.14.2	40 amps	Each	10		
6.2.2	2.14.3	63 amps	Each	-		
6.3	2.12	Supplying and fixing following rating ,double pole, 240 Volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
6.3.1	2.12.1	40 amps	Each	-		
6.3.2	2.12.2	63 amps	Each	-		
6.4	2.13	Supplying and fixing following rating ,4 pole, 415 Volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
6.4.1	2.13.1	40 amps	Each	-		
6.4.2	2.13.2	63 amps	Each	-		
6.5	2.18	Supplying & Fixing 20 Amps, 240Volts, SPN Industrial Type Socket Outlet, with 2 Pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing & commissioning as required.	Each	10		
6.6	2.2	Supplying and fixing 30 amps, 415 volts, TPN industrial type, socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 30 amps "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and	Each	17		

		commissioning etc. as required.				
		Vertical TPN DB				
6.7	2.7	S/F prewired SP MCB DB :-				
6.7.1		Supplying and fixing following way, single pole and neutral, prewired, sheet steel, MCB distribution board, 240 volts, on surface/recess, complete with loose wire box, terminal blocks, duly prewired with suitable size FRLS PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
6.7.2	2.7.4	(2 +4) way Double door	Each	0		
	2.7.5	(2 +8) way Double door	Each	10		
6.8	2.2	Providing & fixing following rating & breaking capacity & pole MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connection, etc. as required.				
6.8.1	2.2.1	100 Amp, 16 KA, TP MCCB	Each	0		
6.90	NSR	Supply, installation, testing and commissioning of 1.6 mm thickness weather proof polycarbonate enclosures fitted with 32 A TPN MCB for Cassette unit	Nos.	0		
6.1	NSR	Supply, installation, testing and commissioning of weather proof polycarbonate enclosures fitted with 32/25 A DP RCCBs for AC outdoor Unit.	Nos.	0		
6		TOTAL OF MCB DISTRIBUTION BOARD				
7		SUPPLYING OF LIGHT FIXTURES				
7.1		Supply & Fixing in position testing and commissioning of the following Lighting fixtures including lamps at site. . Use all Philips Trulite/Osram lumilux plus Eco lamps in Fluorescent lamp fittings. (5500-6000 K) Use Osram CFL lamp - Dulux L Lumilux in all CFL lamp fixtures (5500-6000 K) (Samples of all light fixtures to be submitted to the client				

		for approval prior to procurement of fixtures)				
		All Bulbs/any other consumables should be branded .It should have atleast one year replacement guarantee.				
		All Light Fixture shall be with H.F. electronic ballast (THD less than 10% and P.F. 0.995)				
7.1.1	NSR	14 Watts LED Light fixture as per Wipro or Equivalent make	Nos	115		
7.1.2	NSR	35 W Recessed 600 x 600 Light fixture as per Wipro Cat No LM15-361-XXX-57-XX(working Area) or Equivalent make.	Nos	0		
7.1.3	NSR	LED indoor decorative Light Fixture as per Wipro Cat. No. WR0801108 or equivalent complete as required	Nos	0		
7.1.4	NSR	3 Watts LED Ni Cd Battery backup up to 2 hrs emergency Exit light Bajaj Make BESL 03 LED SSD/ DSD WBB Green. The sample shall be submitted before ordering.	Nos	0		
7.1.5	NSR	LED Strips Light fixture For Cove as Per Architects /Clients	Rmt	0		
7		TOTAL OF SUPPLYING OF LIGHT FIXTURES				
GRAND TOTAL						

SUMMARY FOR INDIAN BANK'S FLATES, KOLKATA		
		AMOUNT
1	CIVIL WORK	
2	SANITARY WORK	
3	ELECTRICAL WORK	
	GRAND TOTAL	