



**NAME OF THE TENDERER TO  
WHOM THE TENDER IS ISSUED: .....**

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Please do not detach any papers from this booklet.  
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PREMISES & ESTATE SECTION, CIRCLE OFFICE  
TC NO. 26/173 (1), PB NO 159, M G ROAD  
THIRUVANANTHAPURAM – 695 001  
TEL: 0471-2331340 email: [pecotvm@canarabank.com](mailto:pecotvm@canarabank.com)

FOR

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TENDER DOCUMENT – DESIGN, SUPPLY, INSTALLATION, TESTING,  
COMMISSIONING OF ONE NO. 8 PASSENGER LIFT IN PLACE OF  
EXISTING LIFT AT CANARA BANK BUILDING, ERNAKULAM SOUTH,  
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**THIS TENDER CONSISTS OF 2 BIDS:**

PART I : TECHNICAL AND COMMERCIAL BID  
PART II : PRICE BID



**PART-I TECHNICAL AND COMMERCIAL BID**  
**(To be submitted in sealed envelope marked**  
**“Envelope No. 1- Technical & Commercial Bid”)**

**NOTICE INVITING TENDER (NIT)**

CANARA BANK, PREMISES AND ESTATE SECTION, CIRCLE OFFICE, TC NO. 26/173 (1), PB NO 159, M G ROAD, THIRUVANANTHAPURAM - 695 001 invites sealed tender from CPWD approved OEMs for the works mentioned below:

- 1). Name of the work: DESIGN,SUPPLY, INSTALLATION, TESTING, COMMISSIONING OF ONE NO. 8 PASSENGER LIFT IN PLACE OF EXISTING LIFT AT CANARA BANK,ERNAKULAM SOUTH BUILDING, ERNAKULAM.
  
- 2). EMD AMOUNT: Rs. 15,000/- by way of Demand Draft of a scheduled bank drawn in favour of "Canara Bank, Circle Office - payable at THIRUVANANTHAPURAM or by way of Bank Guarantee obtained from any Scheduled Bank other than Canara Bank valid upto validity period of the tender in the Bank's approved format (in a separate sealed cover), super-scribing 'EMD for Tender for Design, Supply, Installation, Testing and Commissioning of one no. 8 passenger lift in place of existing old lift at Canara Bank, Ernakulam South Building, Ernakulam and the same should be submitted along with Technical & commercial bid.
  
- 3). TIME OF COMPLETION: 90 days from the date of handing over of the site.

The detail of the works to be carried out is mentioned in Schedule A of this tender.

4). CONTENTS OF THE TENDER:

**PART - I**

- Notice inviting tender.
- Appendix-I - Important terms and conditions of the contract
- General rules and instructions for the guidance of the tenderer
- Tender offer, Letter of acceptance, Form of agreement, Indemnity Bond format and Bank Guarantee format
- General Conditions of the Contract
- Safety Code
- Schedule A - Special information to the tenderers
- Schedule B - Special instructions to the tenderer
- Schedule C- Technical specifications of the lift
- Technical particulars to be furnished by the Lift vendors

- Scope of Comprehensive AMC
- Unpriced format of Price bid

The above form the **first envelope** under caption "**Technical and Commercial bid**"

**PART - II**

**Price bid - Second Envelope**

5). Concept of tender:: The tender concept is "2 Envelope Concept"

First envelope - 1 - Technical cum commercial bid  
Second envelope - 2 - Price bid

Both bids should be submitted on the same date & time but in separate envelopes, sealed and super-scribed the name of the work on the envelope.

6). Submission of tender:: The original tender copy issued should be submitted in the respective envelopes.

7). Date of submission: Sealed envelopes to be submitted on or before  
**25.01.2019 up to 3.00 PM**

8). DATE OF OPENING: Technical & Commercial Bid will be opened on  
**25.01.2019.at 3.30 PM**

9). **PREBID MEETING**: A prebid meeting is scheduled on **18.01.2018 at 03.30 pm** at the office at Canara Bank, Premises & Estate Section, Circle Office, TC NO. 26/173 (1), PB NO 159, M G Road, Thiruvananthapuram - 695 001. The Vendors are requested to make a site visit and assess the site requirement before the pre bid meeting. During the said pre-bid meeting clarifications can be sought regarding the tender.

**TENDER DOCUMENT ISSUED TO:**

**SIGNATURE OF THE ISSUING AUTHORITY:**

**PLACE: THIRUVANANTHAPURAM.**

**Date: 2019.**

**APPENDIX I - IMPORTANT TERMS AND CONDITIONS OF THE TENDER**

|                                 |   |
|---------------------------------|---|
| Time of Completion              | 90 days from the date of handing over of the site. The detail of the works to be carried is mentioned in Schedule A of this tender.   |
| Defect Liability period         | 1 year from the date of completion and handing over of the lift.  |
| Date of commencement            | 7 <sup>th</sup> day from the date of issue of work order  |
| Liquidated damages for delay    | The sum at the rate of 0.5 % of the Contract Value per week of delay subject to a maximum limit of 5 % of the Contract Value  |
| Payment terms                   | No mobilization advance amount will be paid to the firms. Payments to the contractor will be regulated as below:<br>a) 65 % of the cost of the lifts in each phase against supply / delivery of equipments at site, duly unpacked and supported by necessary documents / test certificates etc, and certification of Engineer in charge.<br>b) 30 % upon completion and upon handing over of the lifts after successful testing & commissioning at site.<br>c) 5% at the end of the warranty period of 1 year; this can be released against Bank guarantee for equivalent amount in favour of the Bank for the warranty period in approved Bank's format. |
| EMD                             | Rs.15,000/- by way of Demand Draft of a scheduled bank drawn in favour of "Canara Bank, Circle Office - payable at THIRUVANANTHAPURAM or by way of Bank Guarantee obtained from any Scheduled Bank other than Canara Bank valid upto validity period of the tender in the Bank's approved format  |
| <b>Initial Security deposit</b> | 2 % of the Contract value   |
| Retention money                 | As per the clause 12 of "General conditions of the Contract"  |
| Price variation                 | <b>No IEEMA or any other price variation clause shall be applicable in this contract.</b>   |
| Arbitration                     | As per the clause 40 of "General conditions of the Contract"  |

**Note: Request for alteration in the commercial terms of the tender will not be entertained. Tenders which do not comply the Commercial terms of the tender are liable to be summarily rejected.**

**SIGNATURE OF THE TENDERER WITH SEAL**

## **GENERAL RULES AND INSTRUCTIONS FOR THE GUIDANCE OF TENDERER**

1. Sealed Tenders are invited from lift manufacturers, on behalf of the Canara Bank, Premises & Estate section, Circle Office, TC NO. 26/173 (1), PB NO 159, M G Road, Thiruvananthapuram - 695 001, hereinafter known as the Employer and also as Bank, for the work of Design, Supply, Installation, Testing and Commissioning of One no. 8 passenger lift at Canara Bank, Ernakulam South Building, Ernakulam.

**Scope of work** involves dismantling of the existing lifts, getting dismantling approval from CEIG authorities, undertaking the design based upon the parameters furnished and manufacture, testing at shop, supply, installation, testing at site and commissioning of 1 No passenger lifts along with its allied works and co-ordination/approval from government agencies as directed by the bank/engineer-in-charge etc., which are fully described in the technical specifications.

2. Tender documents consisting of specifications, schedule of quantities of the various items of work to be done and the set of terms and conditions of contract to be complied with by the contractor whose tender may be accepted and other necessary documents will be send through registered post.

3. The tender concept is " TWO ENVELOPE CONCEPT " and it has to be submitted as such. It should be always be placed in sealed cover, with the name of the project written on the envelope mentioning "Technical and Commercial Bid" and "Price Bid" as the case may be and submitted in two different sealed envelopes simultaneously on the prescribed date and time mentioned in the Notice Inviting Tender (NIT) to the **SENIOR MANAGER, PREMISES AND ESTATE SECTION, CANARA BANK, CIRCLE OFFICE, TC NO. 26/173 (1), PB NO 159, M G ROAD, THIRUVANANTHAPURAM - 695 001.**

The date for opening the price bid will be intimated subsequently only to such firms whose technical bids are found suitable. The TENDERER is requested to participate during the opening of the tender.

3.1. The two envelope are classified as,  
(1) The Technical & Commercial Bid and  
(2) The Price Bid.

3.2. The first envelope super-scribed as "Technical & commercial Bid " should be submitted in a sealed envelope containing all the following details:

i). All the schedules of the tender document, tender drawings if any & technical & commercial details of the proposed system equipment with its components & all other attachments other than the Bill of Quantity (Price Bid).

ii). The tender, (i.e. in the envelope containing the Technical Bid) shall be accompanied by earnest money of Rs.15,000/- (Rupees Fifteen Thousand only) by way of Demand Draft of a Scheduled Bank issued in favour of "Canara Bank Circle Office " payable at Trivandrum or by way of Bank Guarantee obtained from any Scheduled Bank other than Canara Bank valid upto validity period of the tender in the Bank's approved format.

**No interest shall be allowed on the Earnest Money. Tenders without Earnest Money shall be rejected.**

SUBMISSION OF THE EMD IN THE PRICE BID ENVELOPE SHALL RENDER THE TENDER BEING REJECTED ON THE GROUNDS OF NON SUBMISSION OF THE EMD.

4. The second envelope super scribed as "Price Bid" should be sealed and submitted on the same given date and time simultaneously along with technical & commercial bid. Non submission of the same along with technical and commercial bid shall automatically render the entire tender being rejected. This envelope should contain duly filled in Bill of quantities (enclosed in the tender document) with values written in words and figures, and as detailed elsewhere in the tender documents.

5. The time allowed for carrying out of the work will be not exceeding the period specified in the NIT.

6. The contractors should quote in figures as well as in words the rate, and amount tendered by them. The amount for each item should be worked out and the requisite totals given. The rates quoted shall be all inclusive rates for the item of work described, including materials, labour, tools & plant, carriage & transport, supervision, overheads & profits, mobilising and other charges whatsoever including any anticipated or un-anticipated difficulties etc. Complete for proper execution of the work as per drawings and specifications and no claim whatsoever for any extra payment shall be maintainable.

7. When a contractor signs a tender in an Indian language, the percentage above or below and the tendered amount and the total amount tendered should also be written in the same language. In the case of illiterate contractors the rates or the amounts tendered should be attested by a witness.

8. Issue of tender form / documents is as per the NIT.

9. The acceptance of a tender will rest with the Employer which does not bind itself to accept the lowest tender, and reserves to itself the authority to reject any or all of the tenders received without assigning any reason. All tenders in which any of the prescribed conditions are not fulfilled or are incomplete in any respect are liable to be rejected.

10. The employer reserves the right to accept the tender in full or in part and the tenderer shall have no claim for revision of rates/other conditions if his tender is accepted in part.

11. Canvassing in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable for rejection.

12. All rates shall be quoted on the proper form of the tender alone. Quoted rates and units different from prescribed in the tender schedule will be liable for rejection.

13.1 Special care should be taken to write the rates in figures as well as in words and the amounts in figures only, in such a way that interpolation is not possible. The total amount

should be written both in figures and in words. In case of figures, the words `Rs.' should be written before the figure of rupees and words `P' after the decimal figures, e.g. Rs.2.15 "P" and in case of words, the word `Rupees' should precede and the word `Paise' should be written at the end, unless the rate is in whole rupees and followed by the words `only' it should be invariably be up to two decimal places. While quoting the rate is in schedule of quantities, the word `only' should be written closely following the amount and it should not be written in the next line. However, if a discrepancy is found;

i). the rates which correspond with the amount worked out by the tenderer shall unless otherwise proved be taken as correct. (OR)

ii). if the amount of an item is not worked out by the tenderer or it does not correspond with the rates written either in figures or in words then the rate quoted by the tenderer in words shall be taken as correct. (OR)

iii). where the rates quoted by the tenderer in figures and in words tally but the amount is not worked out correctly, the rates quoted by the tenderer will unless otherwise prove be taken as correct and not the amount.

13.2 In the case of any errors or omissions in the quoted rates, and if the tender is issued in duplicate, the rates quoted in the tender marked "Original" shall be taken as correct rates.

13.3 All corrections such as cuttings, interpolations, omissions and over-writings shall be number as `c', `i', `o' and `ow' and initialed and total of such c, i, o and ow on each page certified at the end of the page with grand total at the end of the bill/schedule of quantities.

14. An item rate tender containing percentage below / above will be summarily rejected. However, where a tenderer voluntarily offers a rebate for payment within a stipulated period, this may be considered.

15. Sales tax, **GST, GST, work contract tax**, or any other tax , any royalties, import duty, other duties if any, levies, cess, entry tax, Octroi, profession tax, Sales Tax, purchase tax, turnover tax, or any other tax on material or finished work in respect of this contract shall be payable by the tenderer and the Employer will not entertain any claim whatsoever in respect of the same, and nothing extra shall be paid/reimbursed for the same subsequently **with exception specified in the clause 8 of the General Conditions of the contract of this tender.**

16. The contractor shall give a list of his relatives, if any, working with the Employer along with their designations and addresses.

17. No employee of the employer is allowed to work as a contractor for a period of 2 years of his/her retirement from the employer services, without the previous permission of the employer. This contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who had not obtained the

permission of the employer as aforesaid before submission of the tender or engagement in the contractor's service.

18. The tender for the works shall remain open for acceptance for a period of 90 days from the date of opening of tenders. If any tenderer withdraws his tender before the said period or makes any modifications in the terms and conditions of the tender which are not acceptable to the Employer, then the Employer shall, without prejudice to any other right or remedy, be at liberty to forfeit full value of the earnest money as aforesaid.

19. The tender for the work shall not be witnessed by a contractor or contractors who himself / themselves has / have tendered or who may and had/have tendered for the same work. Failure to observe this condition would render tenders of the contractors tendering as well as witnessing the tender liable to summary rejection.

20. It will be obligatory on the part of the tenderer to tender and sign the tendered documents for all the component parts and that, after the work is awarded, he / they will have to enter into an agreement for each component with the competent authority of the Employer.

20.1 Further the tenderer shall agree that until a formal agreement on stamp paper of Rs. 200/- is prepared and signed, this tender shall constitute a binding contract between the tenderer and the Employer.

21. The tenderer, apart from being a competent contractor must associate himself with agencies of appropriate class who are eligible to tender for other related works connected directly or indirectly with the contract and employed by the employer.

22.1. The Employer does not bind itself to accept the lowest or any tender and reserves to itself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.

22.2 Tenderer are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the site and dimensions, the means of access to the site, and obtain all necessary informations as to risks, contingencies and other circumstances which may influence or affect their tender.

22.3 A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and local conditions and other factors bearing on the execution of the work.

23. On acceptance of the tender, the name of the accredited representative(s) of the contractor who would be responsible for taking instructions from the Employer shall be communicated to the Employer.



**24. Method of Evaluation of tender:** All the competitive tenders will be received on the specified date and time. On the same day or on specified date & time in event of any compelling circumstances, the tender will be opened in the presence of the available tenderer.

24.1 Both the envelope superscribed as " Technical & Commercial Bid" and "Price Bid " will be simultaneously accepted, but the envelope superscribed as "Technical & Commercial Bid " alone will be opened and details of EMD etc., shall be recorded, while the Price Bid shall be maintained in the safe custody of the Employer.

24.2 Incomplete offers and offers not accompanied by the mandatory documents and EMD shall be rejected.

24.3 After the technical evaluation, such of those tenderer found technically acceptable will be short listed and their envelope containing " Price Bid " shall be opened on a given date and time in presence of the short listed tenderers with prior notice to them. The tenderers are expected to attend the tender opening and their inability in participating will not in any way prevent the employer undertaking the opening of the bids.

24.4 During the course of technical evaluation if found necessary the Employer may seek supplementary price bids to bring the evaluation at par and any such price bids shall be prepared as stated in the tender and submitted in sealed envelopes superscribing "Supplementary Price Bid for the project of .....". Such supplementary price bid shall be opened simultaneously with the original price bid on the prescribed date and taken into consideration in its evaluation.

24.5 Voluntary submission of the supplementary price bid by the contractor / tenderer shall not be accepted and supplementary bids shall be limited to the details sought for by the Employer only. Any other un-related price variations furnished in supplementary price bids shall not be recognised and might be liable for rejections if undue information are furnished.

24.6 In case of other un-successful tenderers, the sealed Price bid along with EMD shall be returned treating it individually. The Employer reserves the right to accept or reject any of the offer's without assigning any reason and no dispute or negotiation will be entertained in this regard. The Employer's decision will be final in the matter.

**24.7 Techno Economic evaluations:**

Being a techno - economical project, besides the capital cost, the present value of AMC charges for 4 years after completion of defect liability period will also be evaluated. The present value of the AMC component per year will be calculated as per the following formula:

$$\text{Present Value} = c/(1+r)^n$$

Where 'c' is the annual AMC of each year

'r' is Bank Prime lending rate which is at present 15%

'n' is number of years, ie., n is 1 for 1st year and 2 for 2nd year...

The above mentioned calculation is for Price comparison purpose only.

Therefore, the tenderers / contractors shall furnish the AMC charges in the price bid for for 4 years and terms of AMC shall be furnished in the technical & commercial bid clearly furnishing the details regarding the scope of AMC, details of spares, consumables & equipments covered and also details of exclusions.

**24.8 In case of quoting for very low abnormal AMC rates, Bank reserves the right to seek for the Performance Guarantee to the extent of 10% of the cost of lifts through out the 5 year period (1year Defect Liability period and 4 years under AMC)**

25. The notice inviting tender, general rules & instructions for the guidance of tenderers shall form a part of the contract document. The successful tenderer/contractor, on acceptance of his tender by the Accepting Authority, shall, within 14 days from the stipulated date of start of the work sign on a stamp paper the contract consisting of :-

(a) Standard form of Agreement on stamp paper.

(b) Notice inviting tender, all the documents including tender, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto. General Conditions, Schedules leading to Technical Specification, Special Conditions, Technical Brochures in schedules submitted by the tenderer etc.,

(c) Price Bid / Schedule Bill of Quantities.

**For & on behalf of the Employer**

## TENDER - OFFER

I/We have read and examined the Notice Inviting Tender, prequalification criterion, proforma filled in by the successful vendor, Schedules, Specifications Applicable, Drawings and Designs, General Rules and Instructions, General Conditions of Contract, Special conditions, Schedule (Bill) of quantities in Price Bid, and all other documents referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the Employer within the time specified at the rates specified in the attached Price Bid viz., schedule of quantities and in accordance in all respects with the specifications, designs drawings and instructions in writing referred to in the General Rules and Instructions, General Conditions of Contract and in all respects in accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for **90 (Ninety days)** from the due date of submission thereof and not to make any modifications in its terms and conditions. A sum of Rs.....is hereby forwarded as earnest money in form of Demand Draft of ..... (Name of the issuing Schedule Bank) bearing no. .... and date . .....

In the event of my / our failure to commence the work on the specified date after award I/We agree that the Bank shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely otherwise the said earnest money shall be retained by it towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein.

I/We hereby declare that I/We treat the tender documents, drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any persons other than a person to whom I/We am /are authorised to communicate the same or use the information in any manner prejudiced to the safety of the State / the Employer.

I/We fully understand that you are not bound to accept the lowest or any tender you may receive. Shri. \_\_\_\_\_, Partner / Proprietor / Authorised representative of the Company, is the person authorised to negotiate commercial, technical terms & conditions & sign on behalf of the firm any Agreement, Bills & receipts for this work.

I/We agree that until a formal agreement on stamp paper is prepared and signed, this tender with your written acceptance thereof shall constitute a binding contract between us.

Dated the: .....day of ..... 2019

Witness, Name & address:  
Postal Address including

Signature of Contractor  
Full

Pin Code NO. & Telephone NO.

1).

2).

**ACCEPTANCE**

The above tender (as modified by us or negotiations as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the Employer for a sum of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_)

The letters referred to below shall also form part of this contract agreement:

- a)
- b)
- c)

Dated this \_\_\_\_\_ day of 2019 \_\_\_\_\_

For & on behalf of the Employer

Signature : \_\_\_\_\_

Designation: \_\_\_\_\_

## GENERAL CONDITIONS OF CONTRACT

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

### 1. DEFINITIONS / INTERPRETATIONS::-

i). The 'Contract' means the documents forming the tender and acceptance thereof and the agreement duly executed between the Employer and the Tenderer, together with the documents referred to therein including those conditions, the specifications, schedule of quantities, tender agreement, designs, drawings and instructions issued from time to time by the Engineer-in-Charge. All these documents taken together, shall be deemed to form one contract and shall be complementary to one another.

ii). In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them :-

a) The 'Firm', 'Tenderer' or 'Supplier' or 'Contractor' or 'vendor' shall mean the individual Kartha, or Manager of HUF, firm or Company, whether incorporated or not, undertaking the works and shall include the legal heirs/representatives of such individual or the partners composing firm and their legal heirs and successors, or company's authorised and constituted attorneys/agents and permitted assignees of such firm or company.

b) The 'Employer' or 'Bank' or 'Purchaser' means any officer of the Canara Bank, who is specifically authorised to enter into contracts in respect of the above works.

c) The 'Engineer-in-Charge' means the Senior Manager, or Officer, / Engineer and/or Site Engineer who shall supervise and be in-charge of the work or any other authorised representative or person specifically deputed by the Employer wherever they are employed from time to time by the Employer.

d) "Contract Value" shall mean the final accepted rates in the Price Bid excluding AMC charges.

e) 'Date of Contract' means the 'Calendar date on which the Employer and Contractor have signed the Agreement on the Stamp Paper.

f) "Accepting Authority" shall mean the Deputy General Manager, Canara Bank, Circle office, Thiruvananthapuram.

'Approval' wherever used in the specifications or schedule of Quantities shall mean, respectively, approved by or approval of the 'Accepting Authority' in writing.

g) 'Appellant Authority' shall mean The General Manager, (Circle Head) Canara Bank, Circle office, Thiruvananthapuram, of the Bank (the Employer). Who shall also be the authority to consider any extension of time or compensation as defined in clause hereunder.

h) 'Notice in writing' or 'written notice' shall mean a notice in writing typed or printed characters delivered to or sent by registered post to the last known address private or business address or registered office address, and shall be deemed to have been received when in ordinary course of post it would have been delivered, and/or delivered personally, or otherwise proved to have been received.

i) 'virtual completion' shall mean that the work/installation is complete in all respects in the opinion of the Employer and for which the completion/clearance certificate has been issued by the Engineer -in-charge and the installation is fit for usage.

j) 'Drawings' shall mean all drawings and/or design drawings furnished by the tenderer / sketches duly signed by the authorised Engineer-in-charge on behalf of the Employer before commencement or during the progress of the work.

k) 'Letter of Acceptance' shall mean an intimation by a letter issued by the Accepting Authority of the Employer to tenderers that his tender has been accepted in accordance with the provisions in the said letter.

l) "Warranty period" shall mean a period of twelve months from the certified date of virtual completion issued by the Engineer-in-charge and accepted by the Employer.

m) "Site" shall mean the Bank owned Building at Ernakulam South, Ernakulam where the existing lifts are to be dismantled and new lifts are to be installed and commissioned as per tender schedule of quantities allotted by the employer for the firm's use.

## **2. SCOPE OF WORKS TO BE CARRIED OUT::**

2.1 The work consists of the contractor's own design based on technical specifications furnished. The contractor / supplier shall be responsible for its functioning according to the design criteria and its parameters. Notwithstanding the details furnished, any discrepancies shall be brought out in the technical bid highlighting the shortcomings and suggest modifications.

2.2 The work to be carried out under the contract shall, except as otherwise provided in these conditions, include all labour, materials, tools, plants, equipment and transport which may be required in preparation of and for and in the full and entire execution and completion of the works.

2.3 The descriptions given in the Schedule of Quantities shall, unless otherwise stated, be held to include wastage on material, carriage and cartage, carrying and return of empties, hoisting, setting, fitting and fixing in position and all other labour necessary and for the full and entire execution and completion as aforesaid in accordance with good engineering practice and recognized principles.

2.4 The several documents forming the Contract are to be taken as mutually explanatory of one another, detailed drawing being followed in preference to small scale drawing and figured dimensions in preference to scale and special conditions in preference to General Conditions.

2.5 In the case of discrepancy between the schedule of quantities, the specifications and/or the Drawings, the following order of preference be observed:-

- a) Description in Schedule of Quantities.
- b) Particular Specifications and Special condition, if any
- c) Drawings prepared for the design.
- d) BIS Specifications.

2.6 If there are varying or conflicting provisions made in any one or more document(s) forming part of the contract, the Accepting Authority shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on contractor.

2.7 Any error in description or quantity or rate in Schedule of Quantities or any omission there from shall not vitiate the Contract or release the contractor from the execution of the whole or any part of the works comprised therein according to drawings and specifications or from any of his obligations under the Contract.

2.8 The contractor shall forthwith comply with and duly execute any work comprised in such Employer's instruction, provided always that verbal instructions, directions and explanations given to the contractor's or his representative upon the works by the Employer shall if involving a variation be confirmed in writing to the contractor/s within 7 days.

2.8.1 No work for which rates are not specifically mentioned in the priced schedule of quantities, shall be taken up without written permission of the Employer. Rates of items not mentioned in the priced schedule of quantities shall be fixed by the Employer as provided in clause "Variation".

2.8.2 Regarding all factory made products, they shall be manufactured as per their respective IS code updated and all test undertaken at factory.

3. The work shall be carried out at Canara Bank Office Building, Ernakulam south, Ernakulam. The Intending tenderer shall visit the site and make himself thoroughly acquainted with the local site conditions, nature and requirements of works, facilities of transport condition, effective labour and materials, access and storage for materials and removal of rubbish. The tenderer shall provide in his tender cost of carriage, freight and other charges as also for any special difficulties and including police restriction for transport etc. for proper execution of work as indicated. The successful tenderer will not be entitled to any claim of compensation for difficulties faced or losses incurred on account of any site condition which existed before the commencement of the work or which in the opinion of the Employer might be deemed to have reasonably been inferred to be so existing before commencement of work. Work shall be carried out through qualified engineer/supervisor with appropriate license as per statutory rules.



#### **4. TENDERS ::**

4.1 The entire set of tender paper issued to the tenderer should be submitted fully priced and also signed on the last page of respective chapter (this shall be acceptance of all the pages of the tender and its stipulations) together with initials on every page. Notwithstanding this, Initials / signature in every page will indicate the acceptance of the tender papers by the tenderer. (Also refer point no.15 of General Rules & Instruction for guidance of tenderers)

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

4.3 The tenderers should note that the tender is strictly on item rate basis and their attention is drawn to the fact that the rates for each and every item should be correct, workable and self-supporting.

4.4 If called upon by the Employer, detailed analysis of any or all the rates shall be submitted. The Employer shall not be bound to recognize the contractor's analysis.

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

4.6 The Employer has power to add to, omit from any work as shown in the drawings or described in the specifications or included in schedule of quantities and intimate the same in writing but no addition, omission or variation shall be made by the contractor without authorisation from the Employer. No variation shall vitiate the contract.

4.7 The Tenderer 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 prices quoted in the Schedule of Quantities, which rates and prices shall, except as otherwise provided, cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the works.

#### **5. SIGNING OF CONTRACT & AGREEMENT:**

5.1 The successful tenderer/contractor, on acceptance of his tender by the Accepting Authority, shall, within 14 days from the stipulated date of start of the work sign the contract consisting of :-

- a) Standard form of agreement on stamp paper, the notice inviting tender, all the documents including drawings, if any, forming the tender as issued at the time

of invitation of tender and acceptance thereof together with any correspondence leading thereto.

b) Standard tender Form consisting of:

i) Notice inviting tender, eligibility criterion, General Rules and Instructions.

ii) General Conditions of contract and clauses of contract along with Annexures thereto, like specification, special conditions etc.

iii) Bill of Quantity and Price Bid.

iv) List of Approved Brands/manufacturers appended, if any.

5.2 Contractor shall sign an Indemnity Bond in Bank's approved format (FORMAT ATTACHED) before starting the work, indemnifying the Bank from any damages, prosecution, other legal suits and claims arising out of any mishaps occurring at the site due to faulty work, non fulfilling safety precautions, faulty construction and for violating any statutory rules and regulations for which the contractor shall be solely responsible.

5.3 The Contractor shall pay for all stamps and legal expenses, incidental thereto.

## **6. PERMITS AND LICENCES::**

6.1 Permits and licenses for the release of materials or its purchases which are under Government control will be arranged by the contractor. It may be clearly understood that no compensation or additional charges can be claimed by the contractor for non-availability of such materials in due time on this account or according to his own requirements.

6.2 The contractor may, however, be eligible to a proportionate extension of time on this account which in the opinion of the Employer is reasonable.

## **7. GOVERNMENT AND LOCAL RULES:**

The contractor shall conform to the provisions of all local bye-laws and acts relating to the work and to the regulations etc. of the Government and Local Authorities and of any Company whose system and design is proposed to be connected / utilised. The cost, if any, shall be deemed to have been included in his quoted rates, taking into account all liabilities and shall indemnify the Employer against such liabilities and shall defend all actions arising from such claims or liabilities.

## **8. TAXES AND DUTIES ::**

The tendered cost must include all duties royalties, cess and sales tax, GST or any other taxes or local charges if applicable. No extra claim will be entertained with exception herein specified below.

i). The tenderers must include in their tendered cost all duties royalties, cess, Work contract tax, GST and sales tax or any other taxes or local charges like octroi etc. if applicable except in the AMC cost which is exclusive of GST and inclusive of all other taxes. No extra claim on this account will in any case be entertained. However, pursuant to the Constitution ( Forty Sixth Amendment) Act, 1982, if any further new tax, royalties cess or levy is imposed by Statute, and any Central Excise Duty by the Central Government on the Main Equipment and not on any type of sub-components or material involved in its manufacture or on installation materials like piping or electrical cabling, its switch gears etc., after the date of receipt of tenders, and the contractor there upon necessarily and properly pays such taxes / levies the contractor shall be reimbursed the amount so paid, provided such payments, if any, is not, in the opinion of the Employer ( whose decision shall be final and binding on the contractor) attributable to delay in execution of work within the control of the contractor. On account of any downward revision of such taxes / levies, the benefit shall be passed on to the Employer and shall be binding on the contractor even without the claim by the Employer.

ii). The contractor shall keep necessary books of accounts and other documents for the purpose of this condition as may be necessary and shall allow inspection of the same by a duly authorised representative of the Employer and / or the Engineer-in-charge and further shall furnish such other information / document as the Employer may require from time to time.

iii). The contractor shall, within a period of 30 days of the imposition of any such further tax / levies, described above, give a written notice to the Employer that the same is given to pursuant to this condition, together with all necessary information relating thereto.

For this purpose the tenderers are requested to furnish the present tax structures separately with the Technical and commercial bid.

9. No optional items should be quoted in the tender.

#### **10. QUANTITY OF WORK TO BE EXECUTED:**

The quantities shown in the schedule of quantities are intended to cover the entire works as per the drawings / scope of work, and therefore the contractor is bound to complete the works at the same quoted rates in the event of quantity exceeding the specified bill of quantity, but the Employer reserves the right to execute only a part or the whole or any excess thereof without assigning any reason therefore.

#### **11. OTHER PERSONS OR AGENCIES ENGAGED BY THE EMPLOYER::**

The Employer reserves the right to execute any part of the work included in this contract by other agency or persons and contractor shall allow reasonable facilities and use of his facilities for the execution of such work. The main contractor shall extend all co-operation in this regard.

Wherever the work is proposed in co-ordination with other agencies, the contractor shall co-operate with the schedule of works in such a manner as worked out by the Architect / Engineer-in-charge of the Employer.

## **12. EARNEST MONEY, RETENTION MONEY & TOTAL SECURITY DEPOSIT::**

Earnest Money Deposit: The tenderer will have to deposit the specified amount of earnest money as detailed in the notice inviting tender at the time of submission of tender. No interest will be paid on the earnest money. The earnest money of unsuccessful tenderers will be refunded without any interest soon after the decision to award the work is taken or after the expiry of the validity period of the tender.

The successful tenderer to whom the contract is awarded will have to deposit as initial security deposit (including the Earnest Money) a further sum to make up 2% of the value of the accepted tender. The initial Security Deposit will have to be made within 14 days from the date of acceptance of tender, failing which the Employer at his discretion, without prejudice to any other rights/remedies available under the terms of this Contract may revoke the letter of acceptance and forfeit the Earnest money deposit furnished along with the tender. The initial Security Deposit will not yield any interest & shall be held at Bank's end for the duration of the contract period. It shall be refunded to the contractor without any interest within fourteen days after the issue of certificates of virtual completion, after deducting any sum due from the contractor on any account under this contract.

Apart from the initial security deposit made as above, retention money shall be deducted from progressive running bills @ 8% of the gross value of each running bill until the total security deposit, i.e., the initial Security Deposit plus the retention money equals:

- a) 10% on the first rupees one lakh of the tendered cost of work.
- b) 7.5% on the next rupees one lakh of the tendered cost of work.
- c) 5% on the remaining amount of the tendered cost of work.

50% of the retention amount is refunded to the contractor on completion subject to the following.

- (i) Issue of virtual completion certificate by the Bank's Premises Department/ Architect
- (ii) Contractor's removal of his materials, equipment, labour force, temporary sheds/ stores etc, from the site (excepting for a small presence required if any for the defect liability period and approved by the Bank).

The remaining 50 % of the retention amount will be refunded to the contractor, after deducting any sum due from the contractor on any account under this contract, 14 (fourteen) days after the end of defects liability period provided he has satisfactorily carried out all the work and attended to all defects in accordance with the conditions of the contract.

No interest is allowed on retention money.

A part of the Security Deposit if and as decided by the bank can also be furnished in the form of a bank guarantee from a Bank other than Canara Bank.

### **13.1 CONTRACTOR TO PROVIDE EVERY THING NECESSARY:**

- i). The contractor shall provide everything necessary for the proper execution of the work according to the intent and meaning of the design parameters, technical specifications, drawings and schedule of quantities Based on the details furnished in the N.I.T. , the contractors should undertake their own assessment and design the plant and system required. If the contractor finds any discrepancies furnished it shall immediately brought to the notice of the Employer.
- ii). The tenderer shall take full responsibility for adequacy, suitability and safety of all the design, works and methods of design / installation.
- iii). The employer shall on no account be responsible for the expenses incurred by the contractor during the progress of work at site, towards any incidental expenditure like medical amenities to the workers at site, security arrangement etc. The employer shall not be responsible for the safety of the workers at site either on account of the works executed by the contractor or on account of the works executed by any other agency involved at that time.
- iv). The Employer on no account shall be responsible for storage of materials or loss or pilferage or theft either in respect of the material stored or material already built and paid for by the Employer.
- v). The contractor shall at all times give access to workers employed by the Employer.
- vi). All tools, equipments and other required facilities for execution of work shall be provided by the contractor.
- vii). Any facilities available at site shall be utilized only with prior permission of the Employer or the in-charge of the site / building owner and cannot be taken as granted and for such services utilises the Employer is entitled to charge at his discretion.

13.2 No extra charges shall be paid over and above what has been quoted for any of the above or for similar such services.

### **14. TIME OF COMPLETION, EXTENSION OF TIME & PROGRESS CHART:**

- i). Time of Completion: **90 days commencing from the date of handing over the site.**

The detail of the works to be carried out in the phase 1 & 2 is mentioned elsewhere in this tender.

The entire work is to be completed in all respects within the stipulated period. The work shall be deemed to commence from the date of issue of purchase order from the date of acceptance letter or date of handing over site, whichever is earlier. Time is the essence of the contract and shall be strictly observed by the contractor.

The work shall not be considered as complete until the Employer have certified in writing that the work has been virtually completed and defect liability period shall commence from the date of such certificate.

**ii). EXTENSION OF TIME:**

(a) The time allowed for execution of the Works by the Contractor as specified or the extended time in accordance with these conditions shall be the essence of the Contract. If the contractor commits default in the execution of the work as aforesaid, the Employer shall without prejudice to any other right or remedy available in law be at liberty to forfeit the earnest money absolutely.

(b) Request for extension of time, to be eligible for consideration, shall be made by the contractor to the accepting authority in writing within fourteen days of the happening of the event causing delay. The contractor shall also, if practicable, indicate in such a request the total period for which extension is desired, overlapping period, if any, with earlier events causing delays.

(c) In such case the authority may give a fair and reasonable extension of time for completion of work. Such extension shall be communicated to the contractor by the Employer in writing, within 3 weeks of the date of receipt of such request. Non application by the contractor for extension of time shall not be a bar for giving a fair and reasonable extension by the Employer and this shall be binding on the contractor.

(d) The decision of the Employer for an extension of time for completion hereunder (which decision shall be final and binding on the contractor) shall be promulgated on completion of the work or at the conclusion of such events based on which the extension of time was sought by the contractor, and the Employer shall then, in the event of an extension being granted, determine and declare the final completion date. The provision in clause with respect to payment of Liquidated Damages shall, in such case, be read and construed as if the extended date fixed by the Employer were substituted for and the damage shall be deducted accordingly.

**iii). Progress of Work :**

During the period of work, the contractor shall maintain proportionate progress on the basis of a programme chart submitted by the contractor or prepared by the Engineer in charge whoever is responsible for such programme of work. Contractor shall plan for procurement of materials, equipments well in advance and reflect the same in a progress chart so that there is no delay on the part of the contractor in completion of the project. Maintenance and production of such records as and when required shall be the responsibilities of the contractor.

**15. LIQUIDATED DAMAGES:**

Time is the essence of the contract. Thus the tenderer shall be aware and take note that non-supply or commissioning of the equipment / system will affect the Banks committed programs and thus the loss by way delayed services / completion of related

works etc, are invaluable and cannot be easily assessed. Therefore, it is part of the agreed terms that in the event of any delay in completion of the work, the Bank is liable to charge the tenderer without the necessity of providing for any details of such losses suffered by the Bank.

15.1 If the contractor fails to maintain the required progress in terms of the contract or to complete the work and clear the site on or before the contract or approved extended date of completion, he shall, without prejudice to any other right or remedy of the Employer on account of such breach, pay as agreed compensation the amount calculated at the rates stipulated below or such smaller amount as may be fixed by the employer on the contract value of the work for every completed week that the progress remains incomplete.

15.2 For this purpose the term 'Contract Value' shall be value at the contract rates of the work as ordered / accepted and the Contract value does not include the AMC cost.

**If the Contractor fails to complete the works within the time for completion stated in the tender or within any extended time under Clause 14.ii hereof, the Contractor shall pay the Employer the sum at the rate of 0.5 % of the Contract Value per week of delay subject to a maximum limit of 5 % of the Contract Value as "Liquidated damages" for the period during which the said works shall so remain incomplete or the Employer may deduct aforesaid sum towards such damages from any monies due to the Contractor.**

15.3 The Employer shall have the right to adjust, / set-off against any sum payable to the contractor under this or any other contract with the Employer anywhere in India/outside India.

#### **16.1 TOOLS, STORAGE OF MATERIALS, PROTECTIVE WORKS AND SITE OFFICE REQUIREMENTS::**

The contractor shall provide, fix up and maintain his establishment in an approved position at site and clear away on completion of the works and make good all works disturbed. The contractor shall not fix or place any placards or advertisement of any description or permit the same to be fixed or placed in or upon any hoarding, gantry, building structure other than those approved by the Employer. No fixtures or materials to be placed in such a manner that can be considered dangerous to the installation and to the persons working or passing by or visiting the site.

**16.2 Storage of materials :**The contractors shall make use of existing facilities with due permission of the Employer for storage of materials at site, but watch & ward arrangements for the safety of materials shall be the responsibility of the contractor. **Bank can permit only two small shops. Additional covered space required if any, shall be arranged at the tenderer's own cost in the open space identified/ear marked by the Bank.**

## **17. NOTICE AND PATENTS OF APPROPRIATE AUTHORITY AND OWNERS::**

17.1 The contractor shall conform to the provisions of any Acts of the Legislature relating to the work, and to the regulations and bye-laws of any authorities, and or other Companies ( Indian or International), and / or Statutory Authorities, with whose system and design or technical know-how are/were proposed to have connection with this work. So also the contractor shall before making any variations from the drawings or specification that may be associated to so conform, give the Employer written notices specifying the variations proposed to be made and the reasons for making them and apply for instruction thereon. The Employer on receipt of such intimation shall give a decision within a reasonable time.

17.2 The contractor shall arrange to give all notices required for by the said Acts, regulations or Bye-laws to be given to any authority, and to pay to such authority or to any public officer all fees that may be properly chargeable in respect of the work and lodge the receipts with the Employer.

17.3 The contractor shall indemnify the Employer against all claims in respect of patent rights, royalties, damages to buildings, roads or members of public in course of execution of work and shall defend all actions arising from such claims and shall keep the Employer aloof and indemnified in all respects from such actions, cost and expenses.

## **18. CLEARING SITE AND SETTING OUT WORKS::**

18.1 The site of work shown shall be cleared of all obstructions, waste materials, rubbish of all kinds. All material damages on the place of work on the walls, ceiling or flooring or any other connected equipments, materials or installations shall be re-done to maintain the originality and leveled at the contractors own cost.

18.2 The contractors shall set out the works and shall be responsible for the true and perfect setting out the works and for the correctness of the positions, levels, dimensions and alignment of all parts thereof. If at any time, any error shall appear during the progress of any part of the work, the contractor shall at his own expenses rectify such error, if called upon to the satisfaction of the Employer.

## **19. FIXING, FASTENING OF EQUIPMENTS::**

19.1 The contractor is to fix the equipments on the floor by means of appropriate method so that such equipments fixed on to the floor shall not fall by its own or by natural movements of wind, air normal human operations and shall adopt the best engineering traditions and use appropriate tools in such operations.

19.2 The contractor while fixing any material or equipment to be suspended from the ceiling, shall use fasteners of suitable strength to hold the weight of the suspended system/equipment or material and such fasteners shall be fixed by means of power drills. The contractor shall not chip the ceiling unless ordered & approved by the Engineer- in-charge.



19.3 The contractor shall not puncture the existing civil structures like beams, columns and shall not undertake any type of activity which could affect the structural stability. He shall be responsible for any damages and costs in its rectification.

## **20. CONTRACTOR IMMEDIATELY TO REMOVE ALL OFFENSIVE MATERIALS ::**

All waste materials and other matters of any offensive nature shall be taken out once the works are completed. The contractor shall keep the works free from dangerous materials like industrial gases, welding machines and any such devices or material of toxic and poisonous nature shall not carry within the site or building any material which are explosive in nature. Any such offensive materials which are essentially required in course of work shall be undertaken with due written permission of the Employer provided such materials are permissible under Law.

## **21. ACCESS ::**

Any authorised representatives of the Employer shall at all reasonable times have free access to the works and / or to the workshops, factories or other places where materials or equipments are being prepared or constructed for the work and also to any place where the materials are lying or from where they are being obtained, and the contractor shall extend necessary facility to the Employer or their representatives for inspection examination and testing of the quality & workmanship of the materials.

## **22. MATERIALS, WORKMANSHIP, SAMPLES, TESTING OF MATERIALS::**

22.1 All the works specified and provided for in the specifications or which may be required to be done in order to perform and complete any part thereof shall be executed in the best and most workmanlike manner with materials of the best and approved quality of the respective kinds in accordance with the particulars contained in and implied by the specifications and as represented by the drawings or according to such other additional particulars, and instructions as may from time to time be given by the Employer during the execution of the work, and to his entire satisfaction. The works shall be executed with best workmanlike manner confirming BIS Specifications, Indian Electricity Act & Rules, Statutory norms prescribed by local bodies like BBMP, BESCO, CEIG etc.

22.2 If required by the Employer, the contractor shall have to carry out tests on materials and workmanship in approved material testing laboratories or as prescribed by the Employer at his own cost to prove that the materials etc. under test conform to relevant I.S. standards or as specified in the specifications. The necessary charges for sample material, transporting, testing etc. shall have to be borne by the contractor.

22.3 All material must be the best of their kind available and the contractors must be entirely responsible for the proper and efficient carrying out of the work. Samples of all the materials to be used must be submitted to the Employer when so directed by the Employer.

22.4 Should the work be suspended by any reason, the contractor shall take all precautions necessary for the protection of work and at his own expenses shall make good any damages arising from any of these causes.

### **23. REMOVAL OF IMPROPER WORK::**

23.1 The Employer shall during the progress of the work have power to order in writing from time to time the removal from the work within such reasonable time or times as may be specified in the order of any materials which in the opinion of the Employer are not in accordance with specification or instructions, the substitution or proper re-execution of any work executed with materials or workmanships not in accordance with drawings and specifications or instructions.

23.2 In case the contractor refuses to comply with the order the Employer shall have the power to employ and pay other agencies to carry out the work and all expenses consequent thereon or incidental thereto as certified by the Employer shall be borne by the contractor or may be deducted from any money due to or that may become due to the contractor.

### **24. CONTRACTOR'S EMPLOYEES::**

24.1 The contractor shall employ technically qualified and competent supervisors for the work who shall be available (By turn) throughout the work and shall participate during site meetings and be available to take and comply with instructions of the Employer. In case of electrical works as per statutory Acts & Rules of Electricity Board and Electrical Inspectorate, the persons so employed shall have the requisite supervisory permit or wireman permit for appropriate nature of work undertaken.

#### **24.2 No Child Labour :**

No labour below the age of eighteen years shall be employed on the work. In case of electrical works, the labour employed by the tenderer or their sub-contractor should be authorized person as permitted by the Chief Electrical Inspectorate office of the respective state Government. The Employer shall not be responsible for any deviation and the tenderers shall indemnify the Employer from any legal action or in any way directly or indirectly.

#### **24.3 Labour Legislation::**

The tenderer shall comply with the provisions of the payment of Wages Act, 1936, Minimum Wages Act, 1948, Employees Liability Act, 1938, Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947, Maternity Benefits Act, 1961, and the Contractors Labour (Regulation and Abolition) Act 1970, or the modifications thereof or any other laws relating thereto and the rules made there under from time to time.

24.4 The tenderer shall, notwithstanding the provisions of any contract to the contrary, cause to be paid fair wage to labour indirectly engaged on the work, including

any labour engaged by his sub-contractors in connection with the said work, as if the labour had been immediately employed by him.

24.5 The tenderer shall indemnify and keep indemnified the Employer against payments to be made under and for the observance of the laws aforesaid and the Contractors' Labour Regulations without prejudice to his right to claim indemnify from his sub-contractors. The laws aforesaid shall be deemed to be a part of this contract and any breach thereof shall be deemed to be a breach of this contract.

#### **24.6 COMPLIANCE OF LABOUR REGULATIONS:**

i) The Tenderer shall at his own expense arrange for all the safety provisions for the safety of all workers and employees directly or indirectly employed on the work by the tenderer or his sub-contractors as mentioned in the Safety Code of this tender.

ii) The Tenderer shall be fully responsible for compliance at his own expense all the labour regulations and rules to be observed by him and his sub-contractors and by the Employer as Principal Employer of workers. The Tenderer shall fully indemnify the Employer against any action by the state and/or Central Government for any default or alleged default by the Tenderer, Sub-contractor of any of such rules and regulations. If, due to any default of the tenderer or his sub-contractors, the Employer has to incur any expenditure for compliance of the rules and regulations or for any other reason connected with such default, the Employer shall be entitled to recover from the tenderer all such expenditure in full from any payment due to the tenderer.

#### **25. DISMISSAL OF WORKMEN ::**

The contractor shall on request of the Employer immediately dismiss or take of from the works any person employed thereon by him, who may in the opinion of the Employer be unsuitable or incompetent or who may misconduct himself. Such discharge shall not be the basis of any claim for compensation or damages against the Employer or any of their officers or employee.

#### **26. ASSIGNMENT ::**

The whole of the works included in the contract shall be executed by the contractor and the contractor shall not directly or indirectly transfer, assign or underlet the contract or any part, share or interest therein nor, change in constitution and no subletting shall relieve the contractor from the full and entire responsibility of the contract or from active superintendence of the work during their progress.

#### **27. DAMAGE TO PERSONS AND PROPERTY INSURANCE ETC ::**

27.1 Damages to persons : The Tenderer shall be responsible for all injury to the work or workmen to persons, animals or things and for all damages to the structural and/or decorative part of property which may arise from the operations or neglect of himself or

of any sub-contractor or of any of his or a sub-contractors employees, whether such injury or damage arise from carelessness, accident or any other cause whatsoever in any way connected with the carrying out of this contract.

27.2 The clause shall be held to include interalia, any damages to buildings whether immediately adjacent or otherwise, and any damage to roads, streets, footpaths or ways as well as damages caused to the buildings and the works forming the subject of this contract by rain, wind or other inclemency of the weather.

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

27.4 Damages to property: The Tenderer shall reinstate all damage of every sort mentioned in this clause, so as to deliver the whole of the contract works complete and perfect in every respect and so as to make good or otherwise satisfy all claims for damages to the property or third parties.

27.5 The tenderer shall effect the insurance necessary and indemnify the employer entirely from all responsibility in this respect. The insurance must be placed with a company approved by the employer and must be effected jointly in the name of the contractor and the employer and the policy lodged with the latter. The scope of insurance is to include loss or damage to the work and workmen due to carelessness, accident including fire, earthquake, floods, etc., damage or loss to the contract itself till this is made over a complete state. Insurance is compulsory and must be effected from the very initial stage. The contractor shall also be responsible for anything which may be excluded from damage to any property arising out of incidents, negligence or defective carrying out of this contract.

27.6 THE employer shall be at liberty and is hereby empowered to deduct the amount of any damages, compensations, costs, charges and expenses arising or occurring from or in respect of any such claim or damages from any sums due or to become due to the contractor.

27.7 If the tenderer or his working people or servants shall break, deface, injure or destroy any part of building in which they may be working, or any building, road, road curb, fence, enclosure, water pipe, cables, drains, electrical cables or telephone post or wires, trees, grass or grass land, or cultivated ground contiguous to the premises on which the work or any part is being executed, or if any damage shall happen to the work while in progress, from any cause whatever or if any defect, or other faults appear in the work within twelve months after a certificate final or otherwise or its virtual completion shall have been given by the Employer as aforesaid arising out of defect or improper materials or workmanship the tenderer shall upon receipt of a notice in writing on that behalf make the same good at his own expense or in default the Employer/Engineer-in-Charge cause the same to be made good by other workmen and deduct the expense from any sums that may be then or at any time thereafter may become due to the tenderer, or from his security deposit, or the proceeds of sale thereof or of a sufficient portion thereof.

## **27.8 i) TRANSIT INSURANCE ::**

Wherever specifically agreed to, the firm will insure at his cost the goods for all transit risks including 60 days storage risk from the date of the delivery of the goods at the final destination.

### **INSURANCE:**

In his own interest the contractor shall insure the works and keep them insured until the virtual completion of the contract against loss or damages by fire and/or earthquake, flood. The insurance must be placed with a company approved by the Employer, in the joint names of the employer and the contractor for such amount and for any further sum if called to do so by the employer and lodge receipts of premiums paid with the employer within 21 days from the date of issue of letter of acceptance unless otherwise instructed.

Contractor shall strictly follow labour laws in force and obtain the necessary license for doing the work. He will be required to take care of the safety & security of the personnel employed and occupants of the flats, third parties, office equipments, building and other loose furniture's within the working area, during execution of the works. Contractor will be required to obtain Insurance policy "**Erection All Risk Policy (EAR)**" for the entire duration of the works till settlement of final bills as per clause 29 of this contract document. Any damage to the articles, building shall be made good by the contractor at his cost.

27.9 The contractor in case of rebuilding or reinstatement after fire shall be entitled to extension of time for completion as the employer may deem fit.

## **28. ACCOUNTS RECEIPTS & VOUCHERS::**

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

## **29. MEASUREMENT::**

29.1 Before taking any measurement of any work the contractor shall give reasonable notice to the representatives of the Employer or the site engineer if any, and measurements particularly concealable in nature shall be jointly taken and recorded and such statement of measurement shall be enclosed along with the bill or running bills. In the event of such measurement taken directly by the contractor the details shall be recorded and routes be marked for inspection of the engineer-in-charge.

29.2 Any deviation or discrepancies observed by the engineer-in-charge shall be brought to the notice of the contractor or their representatives and during such inspection and measurement if the contractor fails to be present the certification of the engineer-in-

charge shall be final and binding on the contractor and the contractor shall have no right to dispute the same.

### **30. PAYMENT TERMS, ADVANCE PAYMENT & ITS RECOVERY ::**

#### **30.1 Payment Terms:**

i). All bills shall be prepared by the contractor in the form agreed or furnished by the Employer.

ii). No mobilization advance amount will be paid to the firms. Payments to the contractor will be regulated as below:

**a) 65 % of the cost of the lifts in each phase against supply / delivery of equipments at site, duly unpacked and supported by necessary documents / test certificates etc, and certification of Engineer in charge.**

**b) 30 % upon completion and upon handing over of the lifts after successful testing & commissioning at site.**

**c) 5% at the end of the warranty period of 1 year; this can be released against Bank guarantee for equivalent amount in favour of the Bank for the warranty period in approved Bank's format.**

(iii) All such interim payments accepted by the Contractor shall be regarded as payments by way of advances against final payment only. These shall not preclude bad, unsound and imperfect or unskilled work to be rejected, removed, taken away and reconstructed or re-erected.

(iv) All such payments other than initial advance payment are subject to deductions of security deposit as detailed in the tender elsewhere.

30.2 Any certificate given by the Engineer-in-charge relating to the work done or materials delivered forming part of such payment, may be modified or corrected by any subsequent such certificate(s) or by the final certificate and shall not by itself be conclusive evidence that any work or materials to which it relates is/are in accordance with the contract and specifications.

30.3 Any such interim payment, or any part thereof shall not in any respect conclude, determine or affect in any way powers of the Engineer-in-charge/employer under the contract or any of such payments be treated as final settlement and adjustment of accounts or in any way vary or affect the contract.

30.4 Pending consideration of extension of date of completion interim payments shall continue to be made as herein provided.

30.5 All the payments are subject to statutory deductions of Income Tax & its Surcharge, Sales tax deductions as notified by respective Local State Government/Authority and any such instructions conveyed from time to time. From the

interim bills, the retention money as detailed elsewhere in this tender shall also be deducted.

30.6 The final bill shall be submitted by the contractor within 1 (one) month from the date of completion of work or from the date of certification of virtual completion certified by the branch-in-charge.

### **30.7 FINAL PAYMENT::**

(1) The Tenderer shall submit the final bill in the same manner as specified in interim bills within one month of physical completion of the work or within 15 days of the date of the final certificate of completion furnished by the Engineer-in-Charge whichever is earlier. No further claims shall be made by the tenderer after submission of the final bill or on acceptance of the final payment and these shall be deemed to have been waived and extinguished.

(2) In the event of any dispute, payments of those items of the bill in respect of which there is no dispute and of items in dispute, for quantities and rates as approved by Engineer-in-Charge, shall be made by the employer within the period specified herein under, the period being reckoned from the date of receipt of the bill by the Engineer-in-Charge.

a) If the gross amount of the work done under the contract items, plus that of additional deviated items is upto Rs.2 lakhs - 30 days.

b) - do - exceeds Rs. 2 lakhs & is upto Rs.20 lakhs - 45 days

c) - do - exceeds Rs.20 lakhs /- 60 days

### **31. VARIATION / DEVIATION::**

The Engineer-in-Charge with the specific approval of the Employer shall have power to make alteration in, omissions from, additions to or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and the tenderer shall be bound to carry out the works in accordance with any instructions given to him in writing signed by the Engineer-in-Charge. Such alterations, omissions, additions or substitution shall form part of the contract as if originally provided therein and any altered, additional or substituted work which the tenderer may be directed to do in the manner specified above as part of the works, shall be carried out by the tenderer on the same conditions in all respects including price on which he agreed to do the main work except as hereafter provided.

(a) No work which radically changes the original nature of the contract shall be ordered by the Engineer-in-Charge as a deviation.

(b) In the event of any deviation being ordered which in the opinion of the tenderer changes the original nature of the Contract, he shall within fifteen days of having been so ordered bring this to the notice of the Employer with the reasons but nevertheless carry it

out and the disagreement as to the nature of work and the rate to be paid therefore shall be resolved in accordance with Clause under caption "SETTLEMENT OF DISPUTES AND ARBITRATION".

c). The tendered rates, shall hold good for any increase or decrease in the tendered quantities upto variation of 15 % and as stipulated elsewhere for legitimate completion of works as per original design or scope of work and on account of any modification or alteration suggested and where the variation is for the respective item is beyond 15 %, the rate for the respective item may be reviewed on mutually agreed terms.

### **32. SUBSTITUTION ::**

Should the contractor desire to substitute any materials and workmanship, He must obtain the approval of the Employer in writing for any such substitution well in advance. In respect of Materials whose makes are not specified in the tender, specific approval of the Employer has to be obtained in writing before their usage.

### **33. PREPARATORY WORK FOR UTILISATION OF THE FACILITY AFTER COMPLETION:**

33.1 The whole of the work will be thoroughly inspected by the contractor and deficiencies and defects set right. On completion of such inspection the contractor shall inform the Employer that they have completed the work and it is ready for inspection.

33.2 On completion the contractor shall clean all the area and its surroundings, equipments etc. and will leave the entire area clean and ready for immediate usage to the satisfaction of the Employer.

### **34. CLEARING SITE ON COMPLETION::**

34.1 On completion of the works the contractor shall clear away and remove from the site all constructional materials, plant & equipments, tools, surplus materials, scraps, rubbish and temporary works of every kind and leave the whole of the site and the works clean and in a workmanlike condition to the satisfaction of the Employer.

34.2 In the event of failure to clear the site as required the Employer have the right to undertake the same engaging other agency and the same shall be at the cost of the contractor and liable for deductions in the payments due to the contractor and the contractor shall not dispute such payments.

### **35. CONCEALED WORKS ::**

The contractor shall give due notice to the Employer wherever any work is to be buried or concealed in the building in the earth, flooring, walls or otherwise becoming inaccessible later on, in order that the work may be inspected and correct dimensions or measurements taken before such burial. In default whereof the same shall, in the opinion of the Employer be either opened up for measurement at the contractors expenses or no payment may be made for such materials. Should any dispute or difference arise after the execution of any work as to measurements etc. or other matter which cannot be



conveniently tested or checked, the notes / certification of the Engineer-in-charge shall be accepted as correct and binding on the contractor.

### **36. ESCALATION ::**

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

### **37. IDLE LABOUR ::**

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

### **38. SUSPENSION OF WORKS ::**

38.1 Subject to other provisions contained, the Employer may without prejudice to his any other rights or remedy against the tenderer in respect of any delay in commencing, completing or during the progress of work or inferior workmanship, may serve notice in writing absolutely determine and cancel the contract in any of the following cases;

i) If the contractor having been given by the Employer a notice in writing to rectify, reconstruct or replace any defective work or that the work is being performed in any inefficient or otherwise improper or un-workman like manner shall comply with the requirement of such notice for a period of seven days thereafter.

ii) If the contractor being a company shall pass a resolution or the court shall make an order that the company shall be wound up or if a receiver or a manager on behalf of a creditor shall be appointed or if circumstances shall arise which entitle the court or the creditor to appoint a receiver or a manager or which entitle the court to make a winding up order.

iii) If the contractor has without reasonable cause failed to commence the work or has suspended the progress of the work or has failed to proceed with the work with due diligence so that in the opinion of the Employer (which shall be final and binding) he will be unable to secure completion of the work by the date for completion and continues to do so after a notice in writing of seven days from Employer.

iv) If the contractor fails to complete the work within the stipulated date or items of work with individual date of completion, if any stipulated, on or before such date (s) of completion and does not complete them within the period specified in a notice given in writing in that behalf by the Engineer-in-charge.

v) If the contractor persistently neglects to carry out his obligations under the contract and/or commits default in complying with any of the terms and conditions of the contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that behalf by the Engineer-in-charge.

vi) If the contractor commits any acts mentioned in terms of tender hereof: And when the contractor has made himself liable for action under any of the cases aforesaid, the Employer shall have powers :

a) To determine or rescind the contract of which termination or rescission notice in writing to the contractor under the hand of the Employer shall be conclusive evidence. Upon such determination or rescission, the security deposit of the contractor shall be liable to be forfeited and shall be absolutely at the disposal of Employer.

b) In any such event the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements or made any advances on account or with a view to the execution of the work or the performance of the contract. And in case action is taken under any of the provisions aforesaid, the contractor shall not be entitled to recover or be paid any sum for any work thereto or actually performed under this contract unless and until the Engineer-in-charge has certified in writing the performance of such work and the value payable in respect thereof and he shall only be entitled to be paid the value so certified; Provided further that any of the recoveries to be made when the excess cost incurred by the Employer is more than the Security Deposit to be forfeited, such recoveries shall be limited to the amount by which the excess cost incurred exceeds the Security deposit so forfeited.

38.2 In any case in which any of the powers conferred upon the Employer hereof, shall have become exercisable & the same shall not be exercised, the non-exercise thereof shall not constitute a waiver of any of the conditions hereof and such powers shall notwithstanding be exercisable in the event of any future case of default by the contractor and the liability of the contractor for compensation shall remain unaffected.

### **39. TERMINATION OF CONTRACT BY EMPLOYER ::**

39.1 If the contractor ::

(a) at any time makes default in proceeding with the works or any part of the work with due diligence and continues to do so after a notice in writing of 7 days from the Engineer-in-Charge; or

(b) commits default in complying with any of the terms and conditions of the Contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that behalf by the Engineer-in-Charge; or

(c) fails to complete the works or items of work with individual dates of completion, on or before the date(s) of completion, and does not complete them within the period specified in a notice in writing is given to him in that behalf by the Engineer-in-Charge; or

(d) shall offer or give or agree to give to any person in Bank service or to any other person on his behalf any gift or consideration as an inducement or reward for favouring

him in relation to the obtaining or execution of this or any other Contract for the Employer or;

(e) shall enter into a Contract with the Bank in connection with which commission has been paid or agreed to be paid by him or his knowledge, unless the particulars of any such commission and the terms of payment thereof have been previously disclosed in writing to the Accepting Authority/Engineer-in-Charge; or

(f) shall obtain a Contract with the Employer as a result of wrong tendering or other unethical methods of competitive tendering; or

(g) being an individual, or in a firm, any partner thereof shall at any time be adjudged insolvent or have a receiving order or order for administration of his estate made against him or shall take any proceedings for liquidation or composition (other than a voluntary liquidation for the purpose of amalgamation or reconstruction) under any Insolvency Act for the time being in force or make any conveyance or assignment of his effects or composition or arrangement for the benefit of his creditors or purport so to do, or if any application be made under any Insolvency Act for the time being in force for the sequestration of his estate or if a trust deed be executed by him for benefit of his creditors; or

(h) being a company, shall pass a resolution or the Court shall make an order for the winding up of the company or a receiver or manager on behalf of the debenture holders or others shall be appointed or circumstances shall arise which entitle the Court or debenture holders to appoint a receiver or manager; or

(i) shall suffer an execution being levied on his goods and allow it to be continued for a period of 21 days; or

(j) assigns, transfers, sublets (engagement of labour on a piece-work basis or of labour with materials not to be incorporated in the work, shall not be deemed to be subletting) or otherwise parts with or attempts to assign, transfer sublet or otherwise parts with the entire works or any portion thereof without the prior written approval of the Accepting Authority;

39.1.2 The Accepting Authority may, without prejudice to any other right or remedy which shall have accrued or shall accrue thereafter to the Employer, by a notice in writing cancel the contract as a whole or only such of items in default from the tenderer.

39.1.3 The Engineer-in-Charge shall on such cancellation by the accepting authority have powers to, for which the contractor shall hereby unconditionally agree ::

(a) to take possession of the Site and any materials, constructional plant, implements, stores, etc., thereon; and/or

(b) to carryout the incomplete work by any means at the risk and cost of the Tenderer.

39.2 On cancellation of the Contract in full or in part, the Engineer-in-Charge shall determine what amount, if any, is recoverable from the contractor for completion of the works or part of the Works or in case the Works or part of the Works is not to be completed, the loss or damage suffered by the Employer. In determining the amount, credit shall be given to the contractor for the value of the work executed by him up to the time of cancellation, the value of contractor's materials taken over and incorporated in the work.

39.3 Any excess expenditure incurred or to be incurred by the Employer in completing the Works or part of the Work or the excess, loss or damages suffered or may be suffered by the Employer as aforesaid after allowing such credit shall without prejudice to any other right or remedy available to Employer in law be recovered from any money due to the Tenderer on any account, and if such moneys are not sufficient the Tenderer shall be called upon in writing and shall be liable to pay the same within 30 days.

39.4 If the Contractor shall fail to pay the required sum within the aforesaid period of 30 days, the Engineer-in-Charge with the approval of the Employer shall have the right to sell any or all of the Contractor's unused materials, constructional plant, implements, temporary buildings, etc. and apply the proceeds of sale hereof towards the satisfaction of any sums due from the Contractor under the Contract and if thereafter there be any balance outstanding from the Contractor, it shall be recovered in accordance with the provisions of the Contract.

39.5 Any sums in excess of the amounts due to the Employer and unsold materials, constructional plant, etc., shall be returned to the Contractor, provided always that if cost or anticipated cost of completion by the Employer of the Works or part of the Works is less than the amount which the Contractor would have been paid had he completed the Works or part of the Works, such benefit shall not accrue to the Contractor.

#### **40. SETTLEMENT OF DISPUTES AND ARBITRATION ::**

40.1 It shall be an inseparable part of the contract that in matters regarding quality of materials, workmanship, removal or rejection of improper work, interpretation of the drawings and specifications, measurements of materials and/or items of work, mode of procedure and carrying out of the work, the decision of the Engineer-in-Charge which shall be given in writing, shall be final, conclusive and binding on the tenderer.

40.1(A). If the tenderer considers any work demanded of him to be outside the requirements of the contract, or considers any drawings record or decision given in writing by the Engineer-in-Charge on any matter in connection with or arising out of the contract or carrying out of work, to be unacceptable, he shall promptly within 15 days request the Employer in writing for written instruction or decision. Thereon, the Employer shall give his written instructions or decision within a period of two months from the receipt of the tenderer's letter.

(B) Upon receipt of such written instructions or decision the tenderer shall promptly proceed without delay to comply with such instructions or decisions. If the Employer fails to give his instructions or decision in writing within a period of two months after being

requested or if the tenderer is dissatisfied with the instructions or decision of the Employer, the Contractor may within 30 days appeal to the designated Appellant Authority of the Employer who shall afford an opportunity to the tenderer to be heard and to offer evidence in support of his appeal. If he is dissatisfied with this decision, the tenderer shall within a period of thirty days from receipt of the Appellant Authority of the decision shall indicate his intention to refer the dispute to Arbitration, failing which the said decision shall be final and conclusive and not referable to adjudication by the Arbitrator.

40.3 All disputes or differences in respect of which decisions have not been final, binding and conclusive as above shall be referred for adjudication by the arbitration by a Sole Arbitrator appointed as follows :

40.4 Within one month of receipt of notice from any party to the contract for appointment of the Arbitrator the Appellant Authority, in charge of the work at the time of such appointment shall send to the tenderer a panel of three names of persons who shall not presently be connected with the work. The tenderer shall within fifteen days of receipt of this list select and communicate to the Appellant Authority the name of one person from the list who shall then be appointed as the sole arbitrator by the Appellant Authority.

40.5 If tenderer fails to communicate his selection of name, within the stipulated period, the Appellant Authority shall without delay select one person from the list and appoint him as Sole Arbitrator. If the Appellant Authority fails to send such a list within one month as stipulated, the tenderer shall send a similar list to the Appellant Authority within 15 days. The Appellant Authority shall then select one person from the list and appoint him as the Sole Arbitrator within 30 days of the receipt of the list. If the Appellant Authority fails to do so the tenderer shall communicate to the Appellant Authority the name of one officer from the list who shall then be the Sole Arbitrator.

40.6 If the Arbitrator so appointed is unable or unwilling to act or resigns his appointment or vacates his office due to any reason whatsoever another sole Arbitrator shall be appointed in the manner aforesaid. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor.

40.7 IT is term of this contract that the party invoking arbitration shall give a list of disputes with amounts claimed in respect of each such dispute along with the notice for appointment of arbitrator and giving reference to the rejection by the Appellant Authority of the appeal and a copy of his notice(s) of intention to refer the dispute to arbitration of such disputes as mentioned in Part (ii) above failing which the notice for appointment of the Arbitrator shall not be treated as notice for appointing the arbitrator.

40.8 It is also a term of this contract that no person other than a person appointed by Appellant Authority, in charge of the work as aforesaid should act as arbitrator and if for any reason that is not possible, the matter shall not be referred to arbitration at all.

40.9 It is also a term of the contract that if the tenderer does not make any demand for appointment of arbitration in respect of any claims in writing as aforesaid within 90

days of receiving the intimation from the Employer that the final bill is ready for payment, the claim of the contractor shall be deemed to have been waived and absolutely barred and the Employer shall be discharged and released of all liabilities under the contract in respect of these claims. No party shall be entitled to bring any claim to arbitration if the arbitrator has not been appointed before the expiry of sixty days after defect liability period.

40.10 The arbitration shall be conducted in accordance with the provisions of the Indian Arbitration Act, 1996, or any statutory modification or re-enactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceeding under this clause.

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

40.12 It is also a term of the contract that any fees TA, DA and other charges are payable to the Arbitrator shall be paid by both the parties equally.

40.13 It is also a term of the contract that the Arbitrator shall be deemed to have entered on the reference on the date of first hearing. The venue of the arbitration shall be such a place as may be fixed by the Arbitrator in his sole discretion. The fees, and charges of the Arbitrator shall, if required to be paid before the award is made and published, be paid half and half by each of the parties. The cost of the reference and of the award (including the fees, if any, of the Arbitrator) shall be in the discretion of the Arbitrator who may direct to and by whom and in what manner, such costs or any part thereof shall be paid and fix or settle the amount of costs to be so paid.

40.14 The award of the Arbitrator shall be final and binding on both the parties

#### **41. RIGHT TO AUDIT/TECHNICAL EXAMINATION ::**

The Employer shall have the right to cause an audit and technical examination of the works and the final bills of the contractor including all supporting vouchers, abstract, etc., to be made even after payment of the final bill and if as a result of such audit and technical examination any sum is found to have been overpaid in respect of any work done by the tenderer under the contract or any work claimed to have been done by him under the contract and found not to have been executed, the tenderer shall be liable to refund the amount of over-payment and it shall be lawful for the Employer to recover the same from him in the manner prescribed in clause 47 or in any other manner legally permissible and if it is found that the tenderer was paid less than what was due to him under the contract in respect of any work executed by him under it, the amount of such under payment shall be duly paid by the Employer to the tenderer, without any interest thereon; Provided that the tenderer shall not be entitled to payment of any sum paid short where such payment has been agreed upon between the Employer on the one hand and the tenderer on the other under any term of the contract permitting payment for work after assessment by the Engineer-in-Charge.

#### **42. LIEN ::**

(a) Whenever any claim or claims for payment of a sum of money arises out of or under the contract against the contractor, the Employer shall be entitled to withhold and also have a lien to retain such sum or sums in whole or in part from the security, if any deposited by the tenderer and for the purpose aforesaid, the Employer shall be entitled to withhold the security deposit, if any, furnished as the case may be and also have a lien over the same pending finalisation or adjudication of any such claim. In the event of the security being insufficient to cover the claimed amount or amounts or if no security has been taken from the contractor, the Employer shall be entitled to withhold and have a lien to retain to the extent of such claimed amount or amounts referred to above, from any sum or sums found payable or which may at any time thereafter become payable to the contractor under the same contract or any other contract with the Employer pending finalisation or adjudication of any such claim.

(b) Any sum of money due and payable to the contractor (including the security deposit returnable to him) under the contract may be withheld or retained by way of lien by the Employer or any other contracting person or persons through Engineer-in-Charge against any claim of the Employer or such person or persons in respect of payment of a sum of money arising out of or under any other contract made by the contractor with the Employer or with such other person or persons.

(c) It is an agreed term of the contract that the sum of money or moneys so withheld or retained under the lien referred to above by the Employer will be kept withheld or retained as such by the Employer till the claim arising out of or under the contract is determined by the arbitrator (if the contracts governed by the arbitration clause) or by the competent court, as the case may be and that the tenderer will have no claim for interest or damages whatsoever on any account in respect of such withholding or retention under the lien referred to above and duly notified as such to the tenderer. For the purpose of this clause, where the tenderer is a partnership firm or a limited company, the Employer shall be entitled to withhold and also have a lien to retain towards such claimed amount or amounts in whole or in part from any sum found payable to any partner/limited company as the case may be, whether in his individual capacity or otherwise.

#### **43. EXTERNAL INSPECTION & AUDIT :-**

(i) All works under or in course of execution or executed in pursuance of the Contract shall at all times be open and accessible to the inspection of the Quality Control Organisation of the Employer or any designated auditor / officials of the Employer and of the Chief Technical Examiner's Office under Central Vigilance Commission.

(ii) IF it shall appear to the Engineer-in-Charge or to the Engineer in charge of Quality Control or any designated auditors / officials of the Employer or to the Chief Technical Examiner, that any work has been executed with unsound, imperfect, or unskillful workmanship, or with materials or articles provided by him for the execution of the work which are unsound or of a quality inferior to that contracted or otherwise not in accordance with the contract, the contractor shall, on demand made in writing within the defect liability period from the Engineer-in-Charge specifying the work, materials or

articles complained of notwithstanding that the same may have been passed, certified and paid for earlier, forthwith rectify, or remove and reconstruct the work so specified in whole or in part, as the case may require and provide other proper and suitable materials or articles at his own charge and cost.

(iii) In the event of the contractor failing to do so within a period specified by the Engineer-in-Charge in his demand aforesaid, the contractor shall be liable to pay compensation at the same rate as under the clause of defects after completion for this default.

(iv) In such case the Engineer-in-Charge may not accept the item of work at the rates applicable under the contract but may accept such items at reduced rates as the Employer or the competent authority may consider reasonable during the preparation of on account bills or final bill if the item is so acceptable without detriment to the safety and without substantially affecting the utility of the item and the structure or he may reject the work outright without any payment and/or get it and other connected and incidental items rectified, or removed and re-executed at the risk and cost of the contractor. Decision of the Engineer-in-Charge to be conveyed in writing in respect of the same shall be final and binding on the tenderer.

**SIGNATURE OF TENDERER WITH SEAL**



## SAFETY CODE

### **Scaffolds**

- i) Suitable scaffolds shall be provided for workmen for all works that cannot safely be done from the ground, or from solid construction except in the case of short duration work, which can be done safely from ladders. When a ladder is used, it shall be of rigid construction made either of good quality wood or steel. The steps shall have a minimum width of 450 mm and a maximum rise of 300 mm. Suitable hand holds of good quality wood or steel shall be provided and the ladder shall be given an inclination not steeper than  $\frac{1}{4}$  to 1 ( $\frac{1}{4}$  horizontal and 1 vertical).
- ii) Scaffolding or staging more than 4 m. above the ground floor, swung or suspended from an overhead support or erected with sanitary support shall have a guard rail properly bolted, braced or otherwise secured, at least 1 m. above the floor or platform of such scaffolding or staging shall be so fastened as to prevent it from swaying from the building or structure.
- iii) Working platforms, gangways and stairways shall be so constructed that they do not sag unduly or unequally and if the height of the platform, gangway or stairway is more than 4 m. above ground level or floor level, they shall be closely boarded and shall have adequate width and be suitably fenced as described in (ii) above.
- iv) Every opening in the floor of a building or in a working platform with suitable means to prevent the fall of persons or materials or railing whose minimum height shall be 1.00m. Whenever there are open excavations in ground, they shall be fenced off by suitable railing and danger signals installed at night so as to prevent persons slipping into the excavations.
- v) Safe means of access shall be provided to all working places. Every ladder shall be securely fixed. No portable single ladder shall be over 9 m. in length while the width between side rails in rung ladder shall in no case, be less than 290 mm, for ladder up to and including 3 m. in length. For longer ladders this width shall be increased at least 20 mm for each additional metre of length.
- vi) A sketch of the ladders and scaffolds proposed to be used shall be prepared and approval of the Engineer obtained prior to construction.

### ***Other Safety Measures***

- vii) All personnel of the contractor working within the plant site shall be provided with safety helmets. All welders shall wear welding goggles while doing welding work and all metal workers shall be provided with safety gloves. Persons employed on metal cutting and grinding shall wear safety glasses.
- viii) Adequate precautions shall be taken to prevent danger from electrical equipment. No materials on any of the sites of work shall be so stacked or placed as to cause danger or inconvenience to any person or the public.

### **Excavation & Trenching**

- ix) All trenches, 1.25 m. or more in depth shall at all times be supplied with at least one ladder for each 30 m. in length or fraction thereof. The ladder shall be extended from bottoms of the trench to at least 1 m. above the surface of the ground. Sides of trenches which are 1.5 m. or more in depth shall be stepped back to give suitable slope or securely held by timber bracing so as to avoid the danger of sides collapsing. The excavated materials shall not be placed within 1.5 m. of the edges of the trench or half of the depth of the trench whichever is more. Cutting shall be done from top to bottom. Under no circumstances undermining or undercutting shall be done.
- x) The contractor shall take all measures on site of the work to protect the public from accidents and shall be bound to bear the expenses of every suit, action or other proceedings at law that may be brought by any persons for injury sustained owing to neglect of the precautions and to pay any such persons or which may with the consent of contractor, be paid to compromise any claim by any such person.

### **Demolition**

- xi) Before any demolition work is commenced and also during the process of the work.
  - a) All open areas adjacent to the work site shall either be closed or protected.
  - b) No electric cable or apparatus, which is liable to be a source of danger over a cable or apparatus used by the operator, shall remain electrically charged.
  - c) All practical steps shall be taken to prevent danger to persons employed from the risk so over loaded with debris or materials as to render it unsafe.

### **Personal Safety Equipments**

- xii) All necessary personal safety equipment as considered adequate by the Engineer should be kept available for the use of the person employed on the site and maintained in a condition suitable for immediate use, and the contractor should take adequate steps to ensure proper use of equipment by those concerned.
  - a) Those engaged in welding works shall be provided with welder's protective eyesight lids.
  - b) Stonebreakers shall be provided with protective goggles and protective clothing and seated at sufficiently safe intervals.
  - c) When workers are employed in sewers and manholes, which are in use, the contractor shall ensure that the manhole covers are opened and are ventilated at least for an hour before the workers are allowed to get into manholes and the manholes so opened shall be cordoned off with suitable railing and provided with warning signals or boards to prevent accident to the public.
  - d) The contractor shall not employ men below the age of 18 years. Women of any age shall not be engaged for the work of painting with products containing lead in any form. Whenever men above the age of 18 years are employed on the work of lead painting the following precautions should be taken.

- e) Suitable facemasks should be supplied for use by the workers when paint is applied in the form of spray or a surface having lead paint dry rubbed and scraped.
- f) Overalls shall be supplied by the contractor to the workmen and adequate facilities shall be provided to enable the working painters to wash during the cessation of work.
- g) When the work is done near any public place where there is risk of accidents all necessary equipments should be provided and kept ready for use and all necessary steps taken for prompt rescue of any person in danger and adequate provision should be made for prompt first aid treatment of all injuries likely to be sustained during the course of the work.

### **Hoisting Machines**

xiii) Use of hoisting machines and tackle including their attachments anchorage and supports shall conform to the following standards or conditions.

1. (a) These shall be of good mechanical constructions, sound materials and adequate strength and free from patent defect and shall be kept in good working condition with necessary preventive maintenance  
(b) Every rope used in hoisting or lowering materials or as means of suspension shall be of durable quality and adequate strength and free from patent defects.
2. Every crane driver or hoisting appliance operator shall be properly qualified and no person under the age of 21 years shall be anchorage of any hoisting machine including any scaffolding without signals to operator.
3. In case of every hoisting machine and of every chain ring hook, shackle shovel and pulley block used in hoisting or as means of suspension the safe working load shall be ascertained by adequate means. Every hoisting machine and all gear referred to above shall be plainly marked with the safe working load, each safe working load and the conditions under which it is applicable shall be clearly indicated. No part of any machine or any gear referred to above in this paragraph shall be loaded beyond the safe working load except for the purpose of testing.
4. In case of department machines, the safe working load shall be notified by the Engineer. As regards contractor's machines, the contractor shall notify the safe working load of the machine to the Engineer whenever he brings any machinery to site of work and get it verified by the Engineer concerned.
  - a) Motors, gearing transmission, electric wiring and other dangerous parts of hoisting appliances should be provided with efficient safeguards, hoisting appliances should be provided with such means as will reduced to minimum of risk of any part of a suspended load becoming accidentally displaced. When workers are employed on electrical installations, which are already energised,

insulating mats, wearing apparel such as gloves, sleeves and boots as may be necessary, should be provided. The workers should not wear any rings, watches and carry keys or other materials, which are good conductors of electricity.

- b) All scaffolds, ladders and other safety devices mentioned or described herein shall be maintained in safe condition and no scaffold, ladder or equipment shall be altered or removed while it is in use. Adequate washing facilities should be provided near the place of work.

xiv) All the Indian Electricity rules 1956 on Electrical Safety should be strictly followed while execution of the Electrical works

xv) These safety provisions should be brought to the notice of all concerned by display on a notice board at a prominent place at work spot. The person responsible for compliance of the safety code shall be named therein by the contractor.

To ensure effective enforcement of the rules and regulations relating to safety precautions the arrangements made by the contractor shall be open to inspection by the Labour Officer, Engineers of the Department or their representatives.

Notwithstanding the above clause from (i) to (xv), there is nothing in these to attempt the contractor from the operation of any other Act or Rule in force in the Republic of India.

**SIGNATURE OF THE TENDERER WITH SEAL**

### **FORM OF AGREEMENT**

This agreement made the \_\_\_\_\_ day of the month of \_\_\_\_\_ in the year 2019 BETWEEN, Canara Bank a body corporate constituted under the Banking Companies ( Acquisition and Transfer of undertakings Act, 1970, having its Head office, 112, J C Road, Bangalore) represented by its duly constituted attorney (hereinafter referred to as the Employer / Bank) on the ONE PART; and

\*Sri \_\_\_\_\_ S/D/o \_\_\_\_\_ resident of \_\_\_\_\_ the sole proprietor of M/s \_\_\_\_\_ having office at the following address \_\_\_\_\_

\* M/s. \_\_\_\_\_ the partnership firm having an administrative/principal office at \_\_\_\_\_ represented by its Managing/duly authorised partner.

\* M/s. \_\_\_\_\_ company/body corporate incorporated under the provisions of the Companies Act 1956 having its registered office at the following address \_\_\_\_\_, duly represented at \_\_\_\_\_ duly represented by its constituted and authorised Managing Director, Shri \_\_\_\_\_ and (hereinafter called the Tenderer which term shall also be called the Supplier or the Contractor ) on the other part

WHEREAS THE Employer / Bank is desirous that to undertake the work of design, supply, installation, testing and commissioning of One no. of 8 passenger lift in place of existing lift at Canara Bank, Ernakulam South as detailed in the notice inviting tender and their office mentioned and called for invitation to tender and the tender opened on \_\_\_\_\_ furnished by the tenderer for the supply, installation and performance of such works has been accepted by the Employer on the terms and conditions as set out therein and interalia others.

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this agreement words and expression shall have the same meanings as are respectively assigned to them in the conditions of contract hereinafter referred to.
2. The following documents not inconsistent with these presents shall be deemed to form and be read and construed as part of this agreement viz;
  - a) Notice inviting Tender
  - b) General Rules and Instructions for the guidance of tenderers.
  - c) The Tender offer, Letter of Acceptance, Letters from & to the tenderer, if any, leading to and prior to acceptance letter.

d) General Conditions of contract along with Annexures thereto.

e) Safety Code

f) Schedules A to E consisting of Technical Specifications, Special Conditions, Questionnaire, tender drawings if any, etc.

g) Scope of Comprehensive AMC

[ Note : \* Strike off whichever is not applicable ]

h) Schedule of quantities including Prices and tendered amount known as Price - Bid.

i) The details submitted in technical bid, design, technical brochures, drawings and such other details etc.

3. In consideration of the payments to be made by the Employer to the tenderer, the tenderer hereby covenants and agrees with the Employer to carry out the work of replacement of 1 no lift in Bank owned Building, Ernakulam South complete and perform the works in conformity in all respects and subject to all terms and conditions/rules as mentioned in the General Conditions as also in the aforesaid documents which shall form part of this agreement.

In witness whereof the parties hereto have hereunto set their respective hands and seals the day and year first above written.

Signed, sealed and delivered by the said tenderer, \_\_\_\_\_

\_\_\_\_\_ to the Employer \_\_\_\_\_ in the presence of:

Signature of Tenderer (with seal)

Signature of Authorised representative  
of the Employer / Accepting Authority.

Witness ( Signature, Name & Address ):

1).

2).

**DRAFT FORMAT OF INDEMNITY BOND**  
(TO BE SUBMITTED BY THE SUCCESSFUL CONTRACTOR IN STAMP PAPER)

THIS DEED OF INDEMNITY BOND is made on this ----- day of ----- month of year two thousand nineteen (\_\_\_\_.\_\_\_\_.2019) By M/s ----- duly represented by one of its partners -----, aged -- years, son of Sri -----, residing at -----.

\* M/s. \_\_\_\_\_ the partnership firm having an administrative/principal office at \_\_\_\_\_ represented by its Managing/duly authorised partner.

\* M/s. \_\_\_\_\_ company/body corporate incorporated under the provisions of the Companies Act 1956 having its registered office at the following address \_\_\_\_\_, duly represented at \_\_\_\_\_ duly represented by its constituted and authorised Managing Director, Shri \_\_\_\_\_ and (hereinafter called the Tenderer which term shall also be called the Supplier or the Contractor ) on the other part

Whereas My Company was short listed for issue of tenders and my company became successful in securing the subject work through competitive tendering and the work of **SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF ONE NO. OF 8 PASSENGER LIFT AT CANARA BANK, ERNAKULAM SOUTH** has been awarded in favour of my Firm/ company by Canara Bank, Circle Office, Premises and Estate Section, Trivandrum

And whereas for undertaking the furnishing work, my company has entered into contract agreement on \_\_\_\_\_.\_\_\_\_.2019.

Now this Deed Witnessed that in pursuance of the aforesaid contract agreement dt.\_\_\_\_.\_\_\_\_.2019 and in consideration of Canara Bank having agreed to make payments on the running bills claimed by my company based on the works completed by my company in respect of **SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF ONE NO. OF 8 PASSENGER LIFT IN PLACE OF EXISTING OLD LIFT AT CANARA BANK, ERNAKULAM SOUTH and referred to above**, I hereby undertake to indemnify and keep harmless the Canara Bank from any damages, prosecution, other legal suits and claims arising out of any mishaps occurring at the site due to faulty work, faulty construction and for violating rules and regulations for which I shall be solely responsible.

[ Note : \* Strike off whichever is not applicable ]

**BANK GUARANTEE FORMAT FOR EARNEST MONEY DEPOSIT**

To

WHEREAS \_\_\_\_\_(Name of Tenderer) (hereinafter called "the Tenderer" has submitted its Tender dated \_\_\_\_\_ (Date) for the execution of (Name of Contract) \_\_\_\_\_(hereinafter called "the Tender") in favour of Canara Bank hereinafter called the "Employer";

KNOW ALL MEN by these presents that we, \_\_\_\_\_ Bank, a body corporate constituted under the Banking Companies (Acquisition & Transfer of Undertakings) Act, 1970 having its Head Office at \_\_\_\_\_ amongst others a branch at \_\_\_\_\_ (hereinafter called "the Bank" are bound unto the employer for the sum of Rs \_\_\_\_\_ (Rupees \_\_\_\_\_ only) for which payment well and truly to be made to the said Employer, the Bank binds itself, its successors and assigns by these presents;

THE CONDITIONS of this obligation are:

- (a) If the Tenderer withdraws its Tender during the period of Tender validity specified in the Tender; or
- (b) If the Tenderer having been notified of the acceptance of his Tender by the Employer during the period of Tender validity;
  - (i) Fails or refuses to execute the Agreement, if required; or
  - (ii) Fails or refuses to furnish the performance security or security Deposit, in accordance with clause \_\_\_\_\_ of conditions of Contract / Tender.

We undertake to pay to the Employer up to the above amount upon receipt of his first written demand without the Employer having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him is due to him owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.



Notwithstanding anything contained herein,

- 1) our liability under this Bank guarantee shall not exceed Rs \_\_\_\_\_ (Rupees \_\_\_\_\_ only)
  
- 2) The bank Guarantee is valid upto \_\_\_\_\_ and
  
- 3) We are liable to pay the guaranteed amount or any part thereof under this Bank guarantee only and only if you serve upon us a written claim or demand on or before \_\_\_\_\_ ( mention period of the Guarantee as found under clause (ii) above plus claim period)

Dated \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_

**SIGNATURE OF THE BANK**

**Schedule- A**

**SPECIAL INFORMATIONS TO THE TENDERERS**

1. The Work has to be carried out at the Banks office premises at Canara bank, Ernakulam South. The building is fully occupied and one lift is under running condition. As such work shall be undertaken as per the direction of the Senior Manager/ Engineer in charge without disturbing the staff of the Canara Bank, Ernakulam South. Failure to complete the work within the stipulated period on the pretext of non availability of site will not be considered for time extension. **Tenderers are therefore advised to visit the site and familiarize with site conditions before quoting.**

**DETAILS OF THE LIFTS TO BE REPLACED:**

**Phase - I : Lift -1 (8 passenger)**

2. Tenderers are advised to go through the specifications and the schedule of work and clarify doubts if any, with the Bank’s Engineer/Consultant before quoting.
3. The contractor shall furnish full details of the materials he intends to use on the work like make, model no., printed literature/ catalogue showing all details, reference to any national/ international approvals etc. In case of any deviations from the specifications/ stipulations contained in the tender, the same shall be separately listed out by the contractor and enclosed with the tender (in technical bid). Failure to furnish the above details may result in rejection of tender summarily.
4. **Warranty:** The offer must include comprehensive on-site warranty **for a period of 1 year with free maintenance** from the date of the installation and commissioning of the equipment. The firm shall be fully responsible for the warranty in respect of proper design, quality and workmanship of all equipments, accessories like covered by the offer. However the failure of the components due to other electrical faults will not be covered by the offer. The firm must warrant all equipments, accessories, spare parts etc., against any manufacturing defects during the warranty period. During the warranty period the firm shall maintain the equipment and repair/ replace all the defective components at the installed site at no additional charge of whatsoever nature to the Bank.

**The contract involves supply and installation of One No. lift. Hence, the guarantee period shall commence on completion and commissioning of the lift including production of license for commissioning the Lift.**

5. A copy of the BOQ (without the price) in respect of both main work with the words “quoted” written shall be enclosed in the technical bid in order to indicate that all items have been quoted for in the price bid.
6. Relevant type/factory test certificates shall be furnished in respect of Lift and other related accessories etc.

**SIGNATURE OF THE TENDERER WITH SEAL**

**Schedule B**  
**SPECIAL INSTRUCTIONS TO THE TENDERER**

- 1.1 This specification shall be read in conjunction with General conditions of contract as applicable for this project.
- 1.2 The tenderer shall design the equipment considering the site conditions. After award of contract no claim for extra payment will be entertained.
- 1.3 All Civil alteration works inside the lift pits, providing bedding to the buffer springs in the lift shaft and lift room shall be responsibility of the tenderer. The successful tenderer shall furnish all the necessary load data/ information, insert details etc., to the purchaser to enable him to design the necessary civil alterations. The connections between elevator frame and the respective building / columns shall be provided by the tenderer. The equipment shall be designed keeping in view the provisions of the statutory regulations and safety codes in force in the locality of installation. The scope of civil work to be executed by the purchaser is limited to only front wall paneling/cladding alteration only. All such minor civil works like chipping, grouting, drilling, etc for fixing guide rails and other accessories are to be executed by the supplier. Chasing/cutting the RCC slab projection inside the lift shafts by cutting and bending the reinforcement provided for mounting the old landing doors and making the surface good one is in the scope of tenderer. The scope of the work shall also include filling up any holes or cervices noticed in the lift shaft walls, beams or well consequent on dismantling and removal of parts of the existing lifts, before starting civil works for the new lift.
- 1.4 Within two weeks of placement of order, the Contractor shall furnish the load data, insert details and other such details/ information.
- 1.5 The following drawing/ documents shall be submitted for approval before commencement of manufacture.
  - i. **A general arrangement drawing indicating various dimensions, parameters, illumination and ventilation requirement, power requirement and characteristic of the elevator to be installed including load diagram and loadings to be taken into consideration in the machine room, elevator shaft and the elevator pit shall be submitted for approval of the purchaser within 2 weeks of placement of order.**
  - ii. The electrical scheme drawings, single line control circuit diagram, technical plan diagram, cable schedule, bill of materials etc., for approval.
- 1.6 The following drawings/ documents shall be submitted for records before handing over the elevator.
  - i. One copy of reproducible (polyester film) along with prints of approved drawings.

- ii. The copies of all operating manuals, maintenance schedules, lubrication charts, electrical power/ control circuit diagram, specification of the equipment, oils, lubricants and other consumables.  
Regarding number of copies etc., refer to relevant articles.
  - iii. The copies of erection schedule and manuals, assembly erection sequence, special precautions to be followed (3months prior to delivery).
- 1.7 The supplier shall submit test Certificates for all electrical equipment, cables, wire ropes, and any other certificate required by the Bank.
- 1.8 The supplier shall submit relevant material test certificates for structural steel and mechanical components such as gear boxes, couplings, pulleys, shafts, gears etc.
- 1.9 List of preferred make of electrical and mechanical components as per list furnished in this specification shall be adhered to for bought out items.
- 1.10 A write-up on testing facilities available in the works of the Tenderer shall be furnished.
- 1.11 The contractor shall ensure that minimum amount of assembly is necessary at site. Site assembly shall be avoided as far as possible.
- 1.12 Rates shall be given for all comprehensive maintenance Contract with full responsibility of carryout out repair and supply of required original spare parts to keep the elevator in fully operational condition for minimum period of 4 years after expiry of one year of free servicing and guarantee/warranty period.
- 1.13 The tenderer shall indicate price for supply, Installation, testing, erection and commissioning of the elevators. The quoted price shall include charges on account of taxes, duties, packing, forwarding, transport, insurance etc. The quoted price shall remain firm and binding and shall not be subjected to any escalation whatsoever on any account during entire period of supply, installation, testing & commissioning.
- 1.14 Elevator shall be guaranteed for a minimum period of one year of trouble free operation after commencement of regular operation and shall include free servicing, repair and replacement of parts by the Contractor.
- 1.15 Workmanship and performance warranty:
- 1.15.1
- i. The materials used shall be new and best of its kind available and shall conform to standards as mentioned in the technical specification.
  - ii. The supplier shall guarantee satisfactory performance of equipment/ system as per relevant guidelines.
  - iii. The guarantee shall also cover faulty design/ materials/ workmanship. All rectification or replacement under guarantee shall be done by the supplier free of cost.

- iv. The conditions regarding guarantee of equipment shall also be governed by the relevant clauses of general commercial conditions.
- 1.16 Permanent, non-rusting metal tag shall be affixed to the equipment with tag number.
- 1.17 The tenderer shall furnish the questionnaire as asked for in of this document, along with the tender.
- 1.18 The tenderer shall fill up the price data sheet and submit in a separate cover along with the tender.
- 1.19 The tenderer shall furnish a Time Bar Chart showing breakup of time required for various activities viz., submission and approval of drawings, raw material procurement, engineering, various shop activities, order placement for bought out items and their delivery to shop, assembly, testing, inspection, dispatch, erection and commissioning.
- 1.20 The tenderer shall furnish the procedure proposed for conducting performance guarantee test; for review by purchaser.
- 1.21 The tenderer shall ensure installation of all electrical equipment by approved licensed electrical Contractors and subsequent approval by electrical inspector and other competent authority, if necessary.

## **2.0 GENERAL:**

### **2.1 MECHANICAL:**

- 2.1.1 The passenger elevator shall be of latest design having duplex selective collective control with or without attendant. Digital indicators and illuminated buttons shall be provided in the car and at the landings, as per technical specification. The car should be designed as per the site conditions and accommodated in the elevator shaft and elevator pit within the dimensions recommended by relevant standards and enclosed drawing.
- 2.1.2 The elevator shall be designed in accordance with the latest edition of IS 14665 (Part-2) and other relevant specifications and subject to any modifications and requirements specified hereinafter.
- 2.1.3 Safe access for maintenance and removal of all mechanical and electrical parts shall be ensured.
- 2.1.4 All parts requiring replacement or inspection or lubrication shall be easily accessible without the need for Dismantling of other parts/ equipment. All electrical cables shall be laid such that they are not liable to damage and can be easily inspected and maintained.

- 2.1.5 All machinery or equipment included under this specification shall be equipped with safety devices and clearance to comply with recognized standards and purchaser's requirement.
- 2.1.6 Difference in levels of the car floor and landing, shall be within + or -5 mm.
- 2.1.7 Welding shall be carried out as per relevant IS standards.
- 2.1.8 To relieve the load on the hoisting mechanism, the weight of the cage shall be balanced with a suitable counter weight connected by ropes with the drum of the hoisting machine and the cage.
- 2.1.9 Suitable lubrication system shall be provided for guide rails as well as for other items.
- 2.1.10 The hoist shall have adjustable self-aligning hitches.
- 2.1.11 Steel T- Guards shall be provided for the car and the counterweight. The weight shall be guarded/ protected by means of wire mesh cage for safe operation.
- 2.1.12 Spring buffers shall be provided as a means of stopping the car and counter weight at the extreme limits of travel. Buffers in the pit shall be mounted on steel channels which extend between both the car and the counter weight guide rails.

## **2.2 ELECTRICAL:**

- 2.2.1 The scope of supply shall include all the electrical equipment/ items required for smooth and efficient operation of elevator.

The scope includes the following:

- a) The elevator electrics such as protective switch gear, motors, drive control panels, car operating panels, brakes, limit switches, cables, lighting of car/ cage, push buttons, emergency switch, signaling devices and other necessary equipment required for efficient operation of the elevator.
- b) Complete lighting of elevator shaft, car and well etc.**
- c) Earthing point (earthing will be provided by the purchaser in the lift machine room).
- d) All sundry erection materials required for installation and wiring of electrical equipment and for cable laying.
- e) Statutory clearances, approvals from Local Electrical Inspectorate / statutory authorities etc. The fees payable to inspectorate/insurance premium etc shall be borne by the tenderer.
- f) Emergency alarm wired to both ground and machine room.
- g) Emergency light with maintenance free battery shall be provided.
- h) Mechanical terminal limit switches.

- i) Overload warning devices.
  - j) Emergency key opening at all landing doors.
  - k) Fireman switch at ground floor.
  - l) Manual rising and lowering of the lift in case of emergency
  - m) Safety gear: In the event of rope breaking or loosening the car shall be brought to rest by means of gibes on the guides.
  - n) Motor protection: The motor shall be protected with circuit breaker
  - o) Car light fittings, fans etc
  - p) A switch also shall be provided inside the car for the car fan apart from its automatic function.**
  - q) A button for reversing the door while closing shall be provided in the panel.
  - r) Key operating switch for cutting in and out the additional equipment for "WITH ATTENDANT OPERATION"
  - s) Up and down scrolling indicators for indicating the direction of the movement of the car.
  - t) The car automatically returns to the home landing after answering the last pending calls.
  - u) Auto rescue device with necessary UPS and battery bank.
  - v) Provision of the telephone wiring in the lift car from lift room for connecting intercom in the lifts. However the telephone wiring from the lift room to the EPABX and telephone instrument will be provided by the Bank.
- 2.2.2** The equipment offered shall be suitable for trouble free and efficient service in the following site conditions:
- 1) Ambient temperature: 47 degree C (max).
  - 2) Humidity: 100%; both not occurring simultaneously.
- 2.2.3** The electrical equipment shall comply with the latest revision of relevant standards and wherever such Indian Standard is not available, International codes and practices shall be followed. The equipment shall be dust and water proof.
- 2.2.4** Electrical equipment shall conform to latest Indian electricity rules and regulations and the statutory requirement of Government of India and the Government of State as regards to the safety requirement, earthing and other essential provisions specified therein.
- 2.2.5** The materials used and the equipment supplied shall be new, reliable and of the class most suitable for the purpose for which they are intended. The equipment designed and the installation shall allow easy access to facilitate inspection, maintenance and repairs.
- 2.2.6** Test Certificates of each equipment shall be submitted before installation of each equipment.
- 2.2.7** The power shall be made available by the Purchaser on the incoming side of the switch board in the machine room at 415 + 10%, 50 HZ (as per Electricity board

voltage), 3 phases for each elevator. The short circuit level of the power supply system shall be taken as 35 KA symmetrical at 415 volts, 50 HZ and the equipment shall be designed for this condition. For lighting, supply will be made available in elevator machine room at 230 V Single phase.

**2.2.8** The operating voltage for control supply shall be indicated by the tenderer.

**2.2.9** The control panels to be provided in the machine room shall be suitable for floor/ wall mounting. This shall be fabricated from steel sheet of 2mm thickness. The bottom most equipment shall be mounted at least 380 mm above the floor level of the panel.( Any alteration in the level of pit will be carried out by the purchaser. The layout of components in control panel shall be so as to provide adequate safety clearances and ease of +operation and maintenance. Panel shall have IP :21 degree of enclosure.

**2.2.10** The minimum rating of the isolating switch and contactor shall be 63A and 32 A or 125% the full load current of the drive, whichever is higher.

The switches shall be suitable for AC 23 duty. The contactor shall be suitable for AC3 or AC4 duty as applicable. The overload relay shall have in built single phasing protection.

**2.2.11** Squirrel cage induction motors of min class ‘B’ insulation shall be provided. They shall be suitable for heavy duty reversible, frequent starting, elevator service. The elevator manufacturer shall ensure that the motor selected has adequate thermal capability to meet the most onerous operating cycle likely to be encountered in the actual operation. Motors shall be VVVF system controlled and shall be capable of achieving desired speed and smooth running and stopping of elevators.

**2.2.12** The motors offered, shall be in IEC frame size with pull-out torque of not less than 275% of the full load torque. The motor shall conform to latest revision of BIS 325. There shall be an earthing terminal inside the terminal box.

**2.2.13** The starting of the motor shall be smooth irrespective of the load/ direction of movement. Suitable control scheme incorporating VVVF system shall be incorporated to achieve smooth acceleration/ deceleration.

**2.2.14** The elevator control shall be Microprocessor based to ensure high performance with maximum efficiency of operation. The control shall be site programmable with all safety interlocks/ features. The control panel shall be with Min IP21 degree of protection. Plug in type PCBs shall be provided for ease of maintenance.

**2.2.15 a)** Suitable braking system shall be provided to hold the drive when it is Switched off.

b) All limit switches and other safety cum control equipment shall be heavy duty type/ suitable for elevator duty.



- 2.2.16 It shall be possible to control the elevator from inside the cabin as well as from the shaft car.
- 2.2.17 Controller shall be state of the art controller to control starting/ stopping and arrest the speed of the elevator motor and also to automatically apply brake if any of the safety devices operate or the power fails due to any cause. Door operation shall be automatic with safety interlocks.
- 2.2.18 Provision shall be made for a safety gear which shall operate in the event of free fall or over speeding of elevator car. This safety gear, while freezing the cabin mechanically to the guides, shall also interrupt the control supply through a limit switch.
- 2.2.19 The over speeding governor shall have a governor switch to interrupt the control supply in the event of over speeding.
- 2.2.20 In addition to the terminal limit switches for the final landings, pack up emergency limit switches shall be provided and shall be connected in the power circuit of the driving motor. In the event of these switches operating due to over travel, it shall be possible to operate elevator only after manually resetting the back up limit switches. For this purpose, these switches shall be installed in accessible locations for easy manual resetting.
- 2.2.21 Additional provision shall be made for opening of the landing door in case of emergency by means of a special key. The landing doors shall be so designed that their closing and opening is not likely to injure a person.
- 2.2.22 Provision shall be made to prevent the opening of any landing door when the car is passing that zone in response to a call from another landing.
- 2.2.23 An automatic floor leveling device shall be incorporated in the elevator control to ensure leveling accuracy within the specified limits.
- 2.2.24 A reverse phase relay shall be provided in the elevator control in order to protect the elevator equipment from danger against inadvertent phase reversal in course of elevator maintenance or repair. Control supply shall be made off in case of any single phasing in the system.
- 2.2.25 There shall be a provision of initiating audible and visible signals from inside the cabin in the event of elevators getting stuck between the landings due to break down or power failure. The source of supply for these signaling devices shall be through a suitable battery source with its own charger unit. A push button and a bell in the cage and a bell in the control station shall be provided along with battery. Emergency lighting fed from battery source shall also be provided in the cage.
- 2.2.26 In the event of power failure there shall be a provision to operate the elevators manually to the nearest landing. Necessary devices to release the brake and turn the traction pulley shall be built into the drive. Necessary interlocks shall be provided to

cut off the control supply during manual operation. It shall not be possible to operate the elevator after power reappears unless these devices are put back properly.

2.2.27 The lift shall be provided with battery operated automatic rescue device to land at the nearest floor and the doors open during the power failure.

2.2.28 Call indicators to inform the attendant, under attendant mode that the elevator car is required at a certain floor shall be provided.

2.2.29 Indicators to show the position of elevator car and the direction in which it is traveling shall be provided both inside the cabin and at each landing.

2.2.30 Tenderer shall furnish typical control schemes and details of controls offered.

2.2.31 The elevator cars, elevator shafts and elevator well shall be adequately illuminated by electric light. Elevator cars shall also be provided with ventilating fan.

2.2.32 The cables used in the elevators installation shall conform to latest revision of IS 4289.

2.2.33 The circuit which supplies current to the motor shall not be included in any multi-core cable used in connection with the control/ safety devices/ signaling equipment. There shall be a provision for initiating audible and visible signals including telephone cable.

2.2.34 A trailing cable which incorporates conductors for the control circuit shall be separate and distinct from that which incorporates lighting and signaling circuits. All control and signaling cables shall have stranded copper conductor of minimum size 2.5 sq.mm. 20% spare cores shall be provided in each control/signaling cable. all the power cable shall be 1100V grade PVC insulated unarmoured with aluminium conductor of appropriate size.

2.2.35 Earthing of all electric equipment shall be done as per relevant BIS, latest IE rules and statutory regulation of the Government of Karnataka.

### **03. PAINTING**

3.1 General service painting - This includes structures, plate works, piping, ducting and machinery of mechanical nature (except motors, resistors, panels, switch gears etc.).

3.2 All parts of the elevator shall be thoroughly cleaned of all mild scale, rust and foreign materials by appropriate method of cleaning such as solvent cleaning, hand tool and power tool cleaning, flame cleaning, blast cleaning etc. After that, all parts including frames, gear boxes etc., shall be sand blasted as per STANDARDS.

- 3.3 All parts inaccessible after assembly shall be painted before the assembled while paint is still wet. After erection of elevator at site, damaged areas shall be touched with primer and paint of approved colour shall be applied.
- 3.4 Interior of all gear housing shall be painted with oil resistant paint after sand blasting and acid cleaning.
- 3.5 All machine pads bearing surfaces on structure or housing shall be painted with white lead.
- 3.6 Switch Board/ Control panel painting- This includes fabricated sheet metal items namely electrical control panels, switch boards, control disk, cabinets etc.
- 3.7 Mild scale, rust etc., shall be removed by pickling in a bath of dilute Sulphuric, Hydrochloric or Phosphoric acid, with or without heating, followed by thorough rinsing by fresh water to remove acid traces. Pickling in Sulphuric acid may be followed by dipping in dilute Phosphoric acid containing iron phosphate. Prior to pickling heavy deposits of oil, grease, soil and other foreign matters shall be removed by solvent cleaning.
- 3.8 The quality of paint and colour scheme of finish coats shall be as approved by the owner.

#### **4. INSPECTION & TESTING:**

- 4.1 **GENERAL:** The bidder based on the broad outline inspection procedure indicated in this Section shall finalize with Bank prior to the award of contract, the detailed procedure for inspection, testing (at factory/ site) alongwith the schedule of time and period of individual activities.
- 4.2 The Contractor shall submit relevant test Certificates for al electrical equipment, cables. Following are the guidelines for shop testing.
  - All motors to be routine tested as per latest IS codes .
  - All control panels/ MCCS shall be routine tested as per latest IS codes.
  - Thyristor/ Rectifier panels as per latest IEC .
  - Dry type power transformer as per latest IS codes.
- 4.3 Similar test Certificates shall be submitted in respect of items like wire ropes, chains, couplings, gears, gear boxes, rope drums, pulleys, shafts etc.
- 4.4 Contractor shall give adequate notice to the owner in regard to shop testing of major items like motors, etc. in order to enable the purchaser to witness the tests if required by the purchaser.,
- 4.5 Work shall be carried out in accordance with prevalent/ relevant standards like Indian Electricity Act, IEE rules, Lift Act, etc. **It will be the responsibility of the firm to arrange for inspection by the statutory authorities at the appropriate time, obtain necessary**

**Certificates and handover the same to the owner for record. The statutory fees ( if any) will be borne by the tenderer.**

## **5. INSPECTION AT SITE:**

- 5.1 These tests after erection of the elevator in plant shall comprise of the following:
- a) The supplier's tests.
  - b) Acceptance tests/ performance guarantee tests.
- 5.2 After the elevators are erected all equipment and machinery shall be tested as required by the owner/ inspector in line with IS 4666. The elevator shall be run without load and the adjustments shall then be completed.
- 5.3 All tests shall be carried out in the presence of the owner/ Inspector and any corrections found necessary shall be approved by the owner/ inspector and shall be carried out with minimum of delay The supplier shall be responsible for producing all necessary working sketches and drawings to the approval of the owner/ inspector
- 5.4 The elevators after erection shall be treated as follows:
- i) Performance guarantee test:  
The elevators after completion of erection shall be performance tested to meet the following acceptable limits of design parameters.  
SPEED: 1 m/sec (ONE METRE PER SECOND) with LANDING ACCURACY within +or- 5mm  
In case of unit capacities and design parameters guaranteed by the Contractor are not established during the performance guarantee testing, the Bank at its discretion may reject or accept the elevator after assessing its technical suitability. The Contractor shall be given 2 months time after commissioning for rectification to achieve the necessary design parameters, beyond which the Bank may reject.

## **ELECTRICAL TESTS:**

- a) Visual check for adequacy & completeness of scope of supply.
  - b) Insulation test on electrical equipment wiring.
  - c) Satisfactory operation of controllers, limit switches , safety devices etc.
  - d) Correctness of all circuits and interlocks.
  - e) Satisfactory operation of electric lift for all motions/ stops.
- 5.5 It is the responsibility of the tenderer to arrange inspection by the statutory authorities like **CEIG/CEA/Electrical Inspectorate, City** corporation etc and to obtain commissioning approvals, certificates etc before putting lift in to service. Time of completion may be treated completely only after obtaining approval and certificates from the appropriate statutory authorities.
- 5.6 The lift shall be under warranty of minimum of 12 months from the date of handing over during which all regular servicing/breakdowns are to be done with free of cost. Bank will not make any extra payment.

### **5.7 ACCEPTANCE TEST:**

After supplier's tests are completed, an acceptance test shall be carried out by the Owner's operator, and if accepted, the elevator shall be handed over to the owner.

Operation & capacity tests will be conducted as specified in IS 4666 and as specified above. Insulation and other tests applicable to the electric lift shall be done as per relevant IS.

The date(s) for operation and capacity tests shall be set by the owner/ inspector and the supplier shall be informed of the date (s) in advance. The supplier shall be represented at the tests by a qualified engineer or erection superintendent familiar with erection and commissioning of the elevator.

### **5.8 COMMISSIONING:**

The tenderer shall make initial arrangements for obtaining permission for the installation of lifts after dismantling the existing ones from Lift Inspectorate. On completion of installation of lifts, necessary license for commissioning the same are to be obtained from Lift Inspectorate. Any expenditure payable to Lift Inspectorate in obtaining approval/ license etc. shall be borne by the tenderer.

Prior to commencement of installation work, the Tenderer shall obtain the permission for the installation of the lifts from Lift Inspectorate.

### **5.9 Operation of the lifts after Installation:**

The Tenderer shall arrange to depute a senior operator to the site of works to operate the lifts for a minimum period of 1 week after successful installation and approval of the installation by the local authorities. The operator shall impart training to the Employers operators/Technicians in proper upkeep and the maintenance of the lifts. The cost of these activities shall be deemed to have been included in the rates quoted by the Tenderer in the BOQ.

**Schedule C**

**Technical specifications of Lifts**

**TECHNICAL SPECIFICATIONS**

**A) SCOPE OF WORK:**

1. The scope of work covers:

a) Dismantling entire lift machineries including all accessories in respect of existing 1 No of 8-passenger lifts, shifting the dismantled materials from the site immediately with necessary statutory approvals. All Civil/ PCC/ RCC/ Structural modifications with proper finishing of modified portions/ surfaces in the existing lift shaft and in machine room for erection of new lifts.

b) Design, manufacture, supply, installation, testing and commissioning of 1 number 8 passenger capacity, passenger elevators with the following specifications.

|  |  |
|--|--|
| CAPACITY : 8 PASSENGER (544 KG)<br>CAR BODY : High quality and suitable thickness stainless steel car, with hairline finish, S.S. handrail, vinyl flooring, Perspex falsecelling.<br>CONTROL SYSTEM: VVVF<br>INFRARED CURTAIN,<br>AUTOMATIC RESCUE DEVICE.<br>AUTOMATIC OPENING DOOR | SPEED : 1.00 METRE PER SEC<br>NO. OF FLOORS : GROUND FLOOR + 3 FLOORS.<br>TOTAL TRAVEL : 12.5 MTRS.<br><b>OVERHEAD : 4.5 METERS.</b> |
|--|--|

The elevators shall be complete in all respects.

1. The scope of work shall include the following:

- i. Supply of machine beams hitch beams and connected cleats bolts, plates etc., that are required in the machine room and other places for the lift, landing door frames and doors.
- ii. All preparatory work such as scaffolding, builder’s work, hoist way wiring, buffer support channels and pit ladder landing door frames etc.
- iii. Dismantling the existing 1Nos passenger lifts and all civil/RCC/PCC inside the lift shaft/lift machine room required for erection of new lift.
- iv. All necessary, Mechanical and electrical works connected with the Design, manufacture, supply at site, painting, testing and commissioning of the elevator inclusive of statutory approvals.

- v. Floor of the car shall be covered with rubber mat, pasted.
- vi. Interior of the car including doors shall be of high quality and suitable thickness stainless steel material with hairline finish with proper ventilation and illumination level to the extent of a min of 200 lux. Hand rails are to be provided inside the car and the same should be stainless steel.
- vii. All call button & fixtures shall be stainless steel having appropriate Brail signs.
- viii. Combined luminous hall buttons with luminous digital hall position indicators at all floors.
- ix. Battery operated alarm bell emergency light along with battery charger.
- x. Provision of telephone connection (intercom) is to be provided in the lifts. The telephone cabling from the lift car to the lift room is under the scope of this contract. The telephone wiring from EPABX to the lift room and telephone instrument will be provided by the Bank.
- xi. Overload warning indicator in the car in audio-visual mode.
- xii. It will be Contractors responsibility to display adequate sign boards at respective places during Dismantlement and erection process.
- xiii. Contractor shall also take adequate steps to block the entrances to the lift shaft at various levels/ floors to prevent possible accidents.
- xiv. **Dismantled material shall be removed from site of work at regular intervals after notifying the owner so as to preserve sufficient working space for erection of new elevators.**
- xv. Electric power for welding, drilling, and any other work related to erection of the lifts will be provided by the purchaser.

**B. DESIGN CRITERIA:**

|      |                                |   |
|------|--------------------------------|---|
| i    | Location                       | Canara Bank, Ernakulam South            |
| ii   | Type                           | Passenger elevator                      |
| iii  | Quantity                       | (1) One only.                           |
| iv   | Capacity                       | 8 passenger or 544 kgs                  |
| v    | Speed                          | 1.00 meter per second                   |
| vi   | Travel                         | Vertical                                |
| vii  | No. of landings                | 04 Nos. ( G + 3 Floors)                 |
| viii | Location of machine room       | At top (directly above the lift shaft)  |
| ix   | Power supply available at site | 415 V AC 50 Hz.(as per BESCO standards) |

|        |  |  |
|--------|--|--|
| x      | Landing and car door operation   | Automatic power operated biparting stainless steel scratch proof sliding doors.  |
| xi     | Signals  | Landing calls registered indicators, up/ down (visual), digital position indicator in car and all landings   |
| xiii   | Machine  | <b>Gearless</b> placed directly above the hoist way  |
| xiv    | Hoist way details  | As per site  |
| xv     | Allowable level difference between car floor and landing               | + or - 5 mm  |
| xvi    | Details of car body and landing doors                                  | High quality and suitable thickness stainless steel car, neat hairline finish, S.S. Handrail, vinyl flooring and Perspex false ceiling.  |
| xvii   | Maximum temperature  | 42° C  |
| xviii  | Maximum humidity   | 100%   |
| xix    | Auto rescue device with indicator on car operating panel               | To enable the lift to land at the nearest floor and the doors open automatically during power cut.   |
| xx     | Infrared curtain (Full length)   | Full length sensors to avoid closure of doors during passenger movement.   |
| xxi    | Overload device with audio/visual indication                           | To be provided   |
| xxii   | Fireman switch at ground floor   | To be provided   |
| xxiii  | Emergency light in lift car connected to ARD UPS                       | To be provided   |
| xxiv   | Voice annunciation system  | To be provided   |
| xxv    | Intercom/ telephone provision  | To be provided   |
| xxvi   | Scaffolding inside the lift shaft for the erection of lift machinery   | To be included   |
| xxvii  | Steel work required for the erection of lift machinery at machine room | To be included   |
| xxviii | Stainless steel sill angles and fascia plate                           | To be included   |
| xxix   | Minor builder's work   | To be included. The details are given below <ul style="list-style-type: none"> <li>1. Cutting and making good of holes for grouting the brackets etc in the lift shaft, machine room and pit</li> <li>2. Provision of slots for landing push button and indicators etc.</li> <li>3. Concreting for the buffer block and machine beams</li> <li>4. Dismantling of existing civil works complete and construction of pedestal</li> </ul> |



|     |                 |  |
|-----|-----------------|--|
|     |                 | for the erection of proposed lift machines in the machine room with necessary openings in the floor slab   |
| xxx | Lift Licenses : | Preparation of drawings, payment of charges to CEIG and insurance policies if any and obtaining CEIG safety certificate as per the lift act. Any expenditure payable to Lift Inspectorate in obtaining approval/ license etc. shall be borne by the tenderer |

**SIGNATURE OF THE TENDERER WITH SEAL**

**TECHNICAL DATA TO BE FILLED IN BY THE TENDERER**

|      |  |        |             |
|------|--|--------|-------------|
| 1.   | Capacity of elevator   | Kgs.   | Passengers: |
| 2.   | Rated speed m/s  |        |             |
| 3.   | Serving  | Floors | entrance    |
| 4.   | Travel   |        |             |
| 5.   | No. of floors served   |        |             |
| 6.   | Method of control  |        |             |
| 7.   | Position of M /C Room  |        |             |
| 8.   | Size of M /C Room  |        |             |
| 9.   | Any specific requirement such as monorail for maintenance etc. |        |             |
| 10.  | Size of elevator well  |        |             |
| 11.  | Position of counter weight                                     |        |             |
| 12.  | Internal size of elevator car                                  |        |             |
| 13.  | Construction, design and finish of car body work               |        |             |
| 14.  | <b>CAR DETAILS</b>   |        |             |
| i.   | Number, size and type of doors with drive                      |        |             |
| ii.  | Car open in front  |        |             |
| iii. | Power operated doors   |        |             |
| iv   | Car light  |        |             |
| v    | Car fan  |        |             |
| vi   | Call indicator & position indicator in car                     |        |             |
| vii  | False ceiling details  |        |             |

|       |  |  |
|-------|--|--|
| 15    | <b>ELECTRIC SUPPLY</b>                       |  |
| i.    | Voltage (power)                              |  |
| ii.   | Frequency                                    |  |
| iii   | Permissible variation in voltage & frequency |  |
| iv.   | Control voltage                              |  |
| 16    | <b>CONTROL TRANSFORMER DETAILS:</b>          |  |
| i.    | Make   |  |
| ii.   | Type   |  |
| iii   | Rating                                       |  |
| iv.   | Break details                                |  |
| 17    | <b>HOIST MOTOR DETAILS</b>                   |  |
| i.    | Make   |  |
| ii.   | Type of motor                                |  |
| iii   | KW/HP rating                                 |  |
| iv.   | Power factor                                 |  |
| v.    | Speed in RPM                                 |  |
| vi.   | Frequency                                    |  |
| vii   | Operating Voltage                            |  |
| viii. | Current rating                               |  |
| ix.   | Degree of protection                         |  |
| x.    | Class of insulation                          |  |
| xi.   | Method of starting                           |  |
| xii.  | No. of permissible starts per hour           |  |

|           |                              |  |
|-----------|------------------------------|--|
| xiii.     | Frame size                   |  |
| xiv.      | Reference IS STD             |  |
| <b>18</b> | <b>TRACTION MACHINE</b>      |  |
| i.        | Make                         |  |
| ii.       | Model                        |  |
| iii       | Gear Ratio                   |  |
| iv.       | Mounting                     |  |
| <b>19</b> | <b>TRACTION SHEAVE</b>       |  |
| i.        | Diameter in mm               |  |
| ii.       | No of ropes                  |  |
| iii       | Diameter of the ropes        |  |
| <b>20</b> | <b>VVVF MAIN DRIVE</b>       |  |
| i.        | Make                         |  |
| ii.       | KW/HP                        |  |
| iii       | Open /Closed loop            |  |
| <b>21</b> | <b>CAR DOOR</b>              |  |
| i.        | Make                         |  |
| ii.       | Operator drive (Geared/Belt) |  |
| iii       | VVVF drive                   |  |
| <b>22</b> | <b>BRAKE</b>                 |  |
| i.        | Type (AC/DC)                 |  |
| ii.       | Concealed /Open              |  |
| iii       | Operating voltage            |  |

|     |  |  |
|-----|--|--|
| 23  | <b>INFRA RED SENSOR</b>  |  |
| i.  | Type (Screen/beam)   |  |
| ii. | Make   |  |
| iii | Operating voltage  |  |
| iv. | No of emissions  |  |
| 24  | <b>SIGNALS (LED/ LCD/ 7 seg/ Dot matrix)</b>   |  |
| 25  | <b>AUTOMATIC RESCUE DEVICE</b>   |  |
| i.  | Make & capacity  |  |
| ii. | No of batteries  |  |
| iii | Operating Voltage  |  |
| iv. | No of safe operations per hour   |  |
| 26. | Additional items proposed to be supplied, if any   |  |
| 27. | No. of copies of booklet giving complete details of maintenance schedule and circuit diagram to be supplied and the same are included in the offer |  |
| 28. | Arrangements of moving the lift car in case of power failure   |  |
| 29. | Details of lubrication   |  |
| 30. | Rope dimensions for car and counter weight   |  |
| 31. | Additional information if any  |  |
| 32. | Make (Manufacturer) of the elevator  |  |

It is confirmed that the above and other components of the lifts quoted by us confirm to the prevailing standards i.e., BIS 14665 part1 to part 8, NBC1989, Tamilnadu lift act/rules, IEE rules 1956 and other statutory standards.

**SIGNATURE OF THE TENDERER WITH SEAL**

**SCOPE OF COMPREHENSIVE ANNUAL MAINTANCE CONTRACT (AMC)**

**A) MAINTENANCE DURING DEFECT LIABILITY PERIOD OR WARRANTY PERIOD**

1. The tenderer shall maintain the lift and associated equipments at free of cost and ensure that it works as per tender parameters.
2. All spares required for normal operation as per tendered parameters shall be replaced at no extra cost.
3. The number of visits shall be same as stipulated in Comprehensive Annual Maintenance.

**B) COMPREHENSIVE ANNUAL MAINTENANCE (CAM) (after the defect liability period)**

1. The tenderer shall maintain the lift and associated equipments for a period of Four years after the expiry of defect liability period and ensure that it works as per the tendered parameters.
2. The rate of annual maintenance charges shall be furnished for a period of 4 years after the expiry of warranty/defect liability period and the rates quoted shall be binding on the tenderer.
3. The cost of CAM furnished shall also be one of the criteria in evaluation of cost economics.
4. The Comprehensive Annual Maintenance Charges shall be paid once in six months in advance subject to satisfactory maintenance for the period of previous one year and on production of Bank guarantee equivalent to the amount paid in advance .

All the activities under this clause shall be completed within the stipulated time schedule.

5.0 Departure From Specification : Schedule of departure from the specification if any, shall be furnished by the tenderer in technical and commercial bid along with implication on the system and cost.

**SCOPE OF COMPREHENSIVE ANNUAL MAINTAINANCE CONTRACT FOR LIFTS (CAMC)**

The tenderer shall offer the following at no extra cost to the bank. The rate quoted for CAMC should include the following.

1. The tenderer shall maintain the lifts and ensure that it works as per the tendered parameters.

2. All the repairs and replacements of spares shall be carried out which are necessitated due to usage of system as per tender stipulations. However, the repairs and replacements necessitated by loss or damage due to misuse or accident, fire or natural calamities shall be out of the scope of CAMC.

3. **The tenderer shall inspect the equipment at least once in a month as a part of preventive Maintenance. This is apart from any breakdown visits that may be required which may emanate in between the two preventive maintenance inspections.**

4. The maximum breakdown time shall be one hour from the time of receiving the complaint over phone.

5. During the Preventive Maintenance, the tenderer shall inspect/ check the equipment and record the following in log book, which shall be verified and confirmed by the bank's representative.

a. Lift: Any malfunctioning of the components.

b. Any other remarks regarding the Electrical System:

c. Any steps to be taken by the Bank for smooth functioning of lifts.

6. During the preventive maintenance inspection, tenderer shall carryout the following apart from the other requirements for functioning of system as per tender parameters and same shall be recorded in a log book which shall be verified and confirmed by bank's representative.

Lifts: i. General cleaning & check up,  
ii. Loose contacts,  
iii. Adjustments of landing switches.

7. During the break down calls, the nature of repair carried out, parts replaced etc shall be recorded in the log book.

**OTHER TERMS WITH REGARD TO CAMC:**

a. The rate of annual maintenance charges shall be furnished for a period of 4 years after the warranty/Defect Liability Period and rates quoted shall be binding on the tenderer.

b. The scope and terms of Annual Maintenance Contract like number of monthly visits, items covering under Annual Maintenance Contract, replacement of spares exclusions if any, down time for break down and service calls shall be as mentioned above.

c. The Bank reserves the right of discontinuing the Annual Maintenance Contract from the contractor during the tenancy of Annual Maintenance Contract.

d. The cost of Annual Maintenance Charges shall also be one of the criteria in evaluation of cost economics of the tender. All the activities under this clause shall be completed within the stipulated time.

**SIGNATURE OF THE TENDERER WITH SEAL**



**UNPRICED FORMAT OF PRICE BID**  
**(No prices should be quoted in the unpriced format of Price bid)**

**TERMS OF PRICE BID**

- 1) Prices quoted must be firm for the period /extended period of contract. No escalation shall be admissible in respect of any item of the contract, except in case of statutory variation in items like excise duty, works contract tax ( if applicable), which shall be reimbursed subject to submission of necessary documents.
- 2) No escalation due to IEEMA clause shall be admissible.
- 3) Price quoted must be inclusive of all items required for the entire job of design, manufacture, supply to site, erection, testing, commissioning, and handing over including ancillary items like scaffolding, minor civil works, all electrical items etc., and nothing extra shall be paid.
- 4) Price quoted shall cover the cost of dismantling the existing elevator if any and removing them from site of work. No extra payment on this amount shall be entertained/paid. No material of the dismantled elevators shall be used in erection of new elevators.
- 5) All materials shall be insured against theft, damage, etc., from the time they are transported from the factory upto the time of handing over to the owner. No claim in respect of any damage/ loss shall be entertained.
- 6) Watch and ward responsibility at site shall be the responsibility of the firm.
- 7) **AMC RATES: WITH REGARD TO AMC, THE RATES SHOULD BE QUOTED EXCLUDING GST. APPLICABLE GST WILL BE PAID DURING THE COURSE OF AMC.**
- 8) **The value of items A of Price bid & Present Value of the AMC amount for 4 years after completion of Defect liability period will be commuted for arriving lowest bidder (L1).**

Calculation of Present Value : The Present value of AMC charges for 4 years after 1 year defect liability period will also be evaluated to arrive at Lowest tenderer ( L-1). The present value of the AMC component per year will be calculated as per the following formula:

$$\text{Present Value} = c / (1+r)^n$$

Where 'c' is the annual CSMC of each year

'r' is Bank Prime lending rate which is at present 15 %

'n' is number of years, ie., n is 1 for 1st year and 2 for 2nd year...

The above mentioned calculation is for Price comparison purpose only.

Therefore, the tenderers / contractors shall furnish the AMC charges in the price bid for 4 years and the AMC shall be Comprehensive AMC ( CAMC).

The price quoted is subject to arithmetic errors i.e in case there is error, the individual sum total shall be considered.

9) THE SUPPLIER HAS TO EXECUTE AGREEMENT WITH IN 14 DAYS FROM THE DATE OF ORDER (AS PER THE FORMAT GIVEN BY THE BANK ),CONFIRMING THAT THE LIFTS WILL BE MAINTAINED AT THE TENDERED RATE FOR FOUR YEARS AFTER WARRANTY PERIOD.

**SIGNATURE OF THE TENDERER WITH SEAL**

## **PART-II PRICE BID**

**(To be submitted in sealed envelope marked  
“Envelope No. 2- Price Bid”)**

### **TERMS OF PRICE BID**

- 1) Prices quoted must be firm for the period /extended period of contract. No escalation shall be admissible in respect of any item of the contract, except in case of statutory variation in items like excise duty, works contract tax ( if applicable), which shall be reimbursed subject to submission of necessary documents.
- 2) No escalation due to IEEMA clause shall be admissible.
- 3) Price quoted must be inclusive of all items required for the entire job of design, manufacture, supply to site, erection, testing, commissioning, and handing over including ancillary items like scaffolding, minor civil works, all electrical items etc., and nothing extra shall be paid.
- 4) Price quoted shall cover the cost of dismantling the existing elevator if any and removing them from site of work. No extra payment on this amount shall be entertained/paid. No material of the dismantled elevators shall be used in erection of new elevators.
- 5) All materials shall be insured against theft, damage, etc., from the time they are transported from the factory upto the time of handing over to the owner. No claim in respect of any damage/ loss shall be entertained.
- 6) Watch and ward responsibility at site shall be the responsibility of the firm.
- 7) **AMC RATES: WITH REGARD TO AMC, THE RATES SHOULD BE QUOTED EXCLUDING GST. APPLICABLE GST WILL BE PAID DURING THE COURSE OF AMC.**
- 8) **The value of items A of Price bid & Present Value of the AMC amount for 4 years after completion of Defect liability period will be commuted for arriving lowest bidder (L1).**

Calculation of Present Value : The Present value of AMC charges for 4 years after 1 year defect liability period will also be evaluated to arrive at Lowest tenderer ( L-1). The present value of the AMC component per year will be calculated as per the following formula:

$$\text{Present Value} = c / (1+r)^n$$

Where 'c' is the annual CSMC of each year

'r' is Bank Prime lending rate which is at present 15 %

'n' is number of years, ie., n is 1 for 1st year and 2 for 2nd year...

The above mentioned calculation is for Price comparison purpose only.

Therefore, the tenderers / contractors shall furnish the AMC charges in the price bid for 4 years and the AMC shall be Comprehensive AMC ( CAMC).

The price quoted is subject to arithmetic errors i.e in case there is error, the individual sum total shall be considered.

9) THE SUPPLIER HAS TO EXECUTE AGREEMENT WITH IN 14 DAYS FROM THE DATE OF ORDER( AS PER THE FORMAT GIVEN BY THE BANK ),CONFIRMING THAT THE LIFT WILL BE MAINTAINED AT THE TENDERED RATE FOR FOUR YEARS AFTER WARRANTY PERIOD.

**SIGNATURE OF THE TENDERER WITH SEAL**

**SCHEDULE OF QUANTITIES :**

| SL. NO. | DESCRIPTION & SCOPE OF SUPPLY   | QTY. | RATE PER UNIT | TOTAL RS. |
|---------|---|------|---------------|-----------|
| 1.      | Dismantling entire lift machineries including all accessories in respect of existing 8-passenger lift with G + 3 floors landings, shifting the dismantled materials from the site immediately with necessary statutory approvals. | 1 No |               |           |
| 2.      | Supply, Installation, Testing and Commissioning of 8 passenger capacity lifts with 4 landings including electricals and controls as mentioned in technical bid with necessary statutory approvals and civil works.                | 1 No |               |           |
|         | <b>Total A (1+2)</b>  |      |               |           |
| B       | Credit towards buyback value of old 8 passenger lift with G + 3 floors landing including transportation, lifting charges and other miscellaneous expenses   | 1 No |               |           |
|         | <b>Total B</b>  |      |               |           |

The quoted rates are inclusive of all taxes, levies etc.

**All the other specifications will remain same as per the tender.**

**SIGNATURE OF TENDERER WITH SEAL**

**AMC CHARGES FOR THE 8 PASSENGER LIFT**

|   | Description  | Rate per unit | Amount (C) | Present value |
|---|--|---------------|------------|---------------|
| 1 | Comprehensive maintenance charges with full responsibility of carrying out repair and supply of required original spare parts to keep the lift with G + 3 floors landings in fully operational condition for a period of 4 years, after expiry of 1 year free servicing and warranty period. |               |            |               |
|   | 1 <sup>st</sup> YEAR (Excluding GST)   | 1 No          |            |               |
|   | 2 <sup>nd</sup> YEAR (Excluding GST)   | 1 No          |            |               |
|   | 3 <sup>rd</sup> YEAR (Excluding GST)   | 1 No          |            |               |
|   | 4 <sup>th</sup> YEAR (Excluding GST)   | 1 No          |            |               |
|   | <b>Total C</b>   |               |            |               |
|   | <b>Grand Total (A-B+C)</b>   |               |            |               |

Amount in words : \_\_\_\_\_  
 \_\_\_\_\_ Only

**Note:** The Present value of AMC charges for 4 years after 1 year defect liability period will be evaluated to arrive at Lowest tenderer ( L-1). The present value of the AMC component per year will be calculated as per the following formula:

$$\text{Present Value} = c / (1+r)^n$$

Where 'c' is the annual CAMC of each year

'r' is Bank Prime lending rate which is at present 15 %

'n' is number of years, ie., n is 1 for 1st year and 2 for 2nd year...

The above mentioned calculation is for Price comparison purpose only.

**SIGNATURE OF THE TENDERER WITH SEAL**