



**PART – A: TECHNICAL BID**

**TENDER FOR SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF**  
**2 No. 6 PASSENGERS LIFTS (machine room less) AT STATE BANK**  
**INSTITUTE OF LEARNING & DEVELOPMENT, URBAN ESTATE, PHASE-II,**  
**PATIALA**

**TENDER SUBMITTED BY :**

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

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

\_\_\_\_\_

\_\_\_\_\_

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

**NAME & PHONE NO.**  
**OF CONTACT PERSON :** \_\_\_\_\_

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## NOTICE INVITING TENDERS

Sealed tenders (two envelope system) are hereby invited on behalf of **The Director(SBILD, Patiala)** for carrying out the work of **SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF 2 No. 6 PASSENGERS LIFTS (machine room less) AT STATE BANK INSTITUTE OF LEARNING & DEVELOPMENT, URBAN ESTATE, PHASE-II, PATIALA**

**The only OEM Manufacturers or their representatives are eligible to participate in this tender.**

Concepts of the tender are as under:

Part-1: Technical bid and

Part-2: Indicative commercial/price bids for captioned work shall be enclosed in two separate envelopes super-scribed with the respective contents (Technical Bid & Commercial Bid respectively) to be submitted on the same date and time. The Bid security declaration form Annexure-I instead of EMD shall be enclosed in third separate envelope and included in the technical bid envelope.

Subsequently, E-Reverse Auction shall be conducted online as per the schedule given below:

The details of tender are as under:

SN	Particulars	Details
1	Name of work	<b>SUPPLY, INSTALLATION, TESTING &amp; COMMISSIONING OF 2 No. 6 PASSENGERS LIFTS (machine room less) AT STATE BANK INSTITUTE OF LEARNING &amp; DEVELOPMENT, URBAN ESTATE, PHASE-II, PATIALA</b>
2	Nature of Work	: <b>Supply &amp; Installation Work</b>
3	Time allowed for completion	:5 months from the Award of Work
4	Bid Security Declaration	<b>Bid security declaration form annexure-I shall be submitted along with tender document</b>
5	Last date & time for submission of Technical Bid, <b>Indicative Price Bid</b> and <b>Bid Security declaration</b>	: <b>08-11-2021 on or before 1.00 pm. AT STATE BANK INSTITUTE OF LEARNING &amp; DEVELOPMENT, URBAN ESTATE, PHASE-II, NEAR PUDA OFFICE PATIALA - 147002</b> Note: It is sole responsibility of the bidder to ensure submission of their Tender documents along with Bid Security Declaration form by stipulated date and time at specified address failing which they will not be eligible to participate in E-reverse Auction.
5(a)	Place of Submission	: <b>STATE BANK INSTITUTE OF LEARNING &amp; DEVELOPMENT, Urban Estate, Phase-II, Patiala</b>
6	Date and Time of opening of Tender Document	: <b>08-11-2021 by 2:00 pm.</b>
7	Date and Time for E-reverse Auction ( <b>Only for</b>	<i>The short listed bidders after the technical</i>

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	<b>Technically Qualified Contractors who receive NIT)</b>	<i>evaluation stage will participate in the reverse auction conducted by <b>M/s e-Procurement Ltd. Ahmedabad.</b></i> <ul style="list-style-type: none"> <li>• Date for Reverse Auction training: <b>To be advised</b></li> <li>• Date and time of reverse auction: To be informed later.</li> </ul>
8	Defect Liability/ Warranty period	1-year from the date of installation for free replacement for any manufacturing defect (excluding damages due to natural calamities).
9	Liquidated Damages	0.50% per week subject to max. 5% of contract amount for delay in completion of work.
10	Validity of offer	90 days from the date of opening of Price-bid
11	Value of Interim Certificate	<b>Rs. 10.0 Lakhs.</b> No advance on materials / plant / machinery or mobilization advance shall be paid under any circumstances

15. For any clarifications regarding E-Reverse Auction procedure, System requirements etc. please contact M/s e-Procurement Technologies Limited, Ahmedabad, whose address is mentioned in the NIT.

16. The Contractor/ Vendor shall sign and stamp each page of the tender document thereby ensuring the number and sequence of all pages. Tender documents without seal and signature of the authorized tenderer are liable to be rejected.

17. No conditions other than mentioned in the tender will be considered, and if given they will have to be withdrawn before opening of the price-bid.

18. The SBI reserve their rights to accept or reject any or all the tenders, either in whole or in part without assigning any reason(s) for doing so and no claim / correspondence shall be entertained in this regard.

19. In case the date of opening of tenders is declared as a holiday, the tenders will be opened on the next working day at the same time.

Yours faithfully,

**For RIGHTANGLE**

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## **INSTRUCTIONS TO THE TENDERERS**

### **1.0 Scope of work**

**SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF 2 No. 6 PASSENGERS LIFTS (machine room less) AT STATE BANK INSTITUTE OF LEARNING & DEVELOPMENT, URBAN ESTATE, PHASE-II, PATIALA**

### **2.0 Tender documents**

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

- Instructions to tenderers
- General conditions of Contract
- Special conditions of Contract
- Price bid

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

- a. Price Bid
- b. Technical specifications
- c. Special conditions of contract
- d. General conditions of contract
- e. Instructions to Tenderers

2.3 The tender documents are not transferable.

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### 3.0 **Site Visit**

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

The tenderer shall be solely responsible for considering the financial effect of any or all the factors while submitting his tender.

### 4.0 **Bid Security Declaration**

- 4.1 The tenderers are requested to submit the bid security declaration form in lieu of Earnest Money Deposit(as per instruction of govt. of India Memorandum note no F.9/4/2020-PPD Dated 12 Nov. 2020).

### 5.0 **Signing of contract Documents**

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

### 6.0 **Completion Period**

Time is essence of the contract. The work should be completed in all respect accordance with the terms of contract within a period of **5 months** from the date of allotment of work.

### 7.0 **Validity of tender**

Tenders shall remain valid and open for acceptance for a period of 90 days from the date of opening price bid. If the tenderer withdraws his/her offer during the value period or makes modifications in his/her original offer which are not acceptable to Bank without prejudice to any other right or remedy the Bank shall act accordingly to the Bid Security declaration(as per instruction of Govt. of India office Memorandum note No. F.9/4/2020-PPD Dated 12 Nov. 2020).

### 8.0 **Liquidated Damages**

The liquidated damages on account of delay shall be 0.50% of Cumulative Awarded value per week subject to a maximum of 5% of Cumulative awarded contract value or actual Invoice Value.

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

#### 9.1 **In case of item rate tender**

- 9.1.1 The tenderers shall quote their rates for individual items both in words and figure. In case of discrepancy between the rate quoted in words and figures, the unit rate quantity in words will prevail. The amount of each item shall be calculated, and the requisite total is given. In case of discrepancy between the unit rate and the total amount calculated from multiplication of unit rate and the quantity the unit rate quoted will govern and the amount will be corrected.
- 9.1.2 The tenderers should not change the units as specified in the tender. If any unit is changed the tenders would be evaluated as per the original unit and the Contractor/ Vendor would be paid

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- accordingly.
- 9.1.3** The tenderer should not change or modify or delete the description of the item. If any discrepancy is observed he should immediately bring to the knowledge of the **SBI**.
- 10.1.1** Each page of the BOQ shall be signed by the authorized person and cutting or overwriting shall be duly attested by him.
- 10.1.2** Each page shall be totaled, and the grand total shall be given.
- 10.1.3** The rate quoted shall be firm and shall include all costs, allowances, taxes, levies during the currency of contract including authorized extension, if any, but excluding GST, which shall be mentioned in the bills/invoices separately, as applicable.
- 10.1.4** The SBI reserve their rights to accept any tenders, either in whole or in part or may entrust the work in phases or may drop the part scope of work at any stage of the project within its sole discretion without assigning any reason(s) for doing so and no claim / correspondence shall be entertained in this regard.
- 10.1.5** In case, it is decided by the SBI to drop one or more Items from the scope of work at any stage of the project, the Contractor/ Vendor shall not be entitled to raise any claim /compensation for such deleted scope of work. Also, the SBI may consider issuing work order for various branches/offices in phases but within a reasonable time interval and the Contractor/ Vendor shall be bound to execute the same within the stipulated time period and as per rates quoted by them in this tender without any claim for price escalation.

**ANNEXURE – I**

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Dated :- \_\_\_\_\_

**FORMAT OF BID SECURITY DECLARATION FROM BIDDER IN LIEU OF EMD**

**To,  
THE DIRECTOR (SBILD, PATIALA)  
STATE BANK INSTITUTE OF LEARNING & DEVELOPMENT,  
URBAN ESTATE, PHASE-II, NEAR PUDA OFFICE PATIALA - 147002**

**Sub:- Bid Security Declaration for Supply, Installation, Testing & Commissioning Of 2 No. 6 Passengers Lifts (Machine Room Less) At State Bank Institute Of Learning, Urban Estate, Phase-II, Patiala**

I/We. The undersigned, on behalf of \_\_\_\_\_ (organization name) declare that:

I/We understand that, according to conditions according to the condition of the tender, bids must be supported by a Bid Security Declaration. We accept that I/We may be disqualified from participating in current as well any future bid under the scheme for a period of 12 months from the date of such disqualification by SBI. We understand that such disqualification will be on account of our being in breach of any obligation under the bid conditions, as under

- a) Having withdrawn/modified/amended, impairs or derogates from the tender, our Bid during the period of bid validity specified in the form of Bid; or
- b) having been notified of the acceptance of our Bid by SBI during the period of bid validity

(i) fail or refuse to execute the contract, if required, or

(ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Security Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or(ii) thirty days after the expiration of the validity of my/our Bid.

**Signature and seal of authorized signatory of bidder**

**Name of Authorized signatory :**

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## **LETTER OF UNDERTAKING (Annexure II)**

**To,  
THE DIRECTOR  
STATE BANK INSTITUTE OF LEARNING & DEVELOPMENT,  
URBAN ESTATE, PHASE-II, NEAR PUDA OFFICE PATIALA - 147002**

Dear Sir,

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

### **MEMORANDUM**

(a)	Description of work	<b>TENDER FOR SUPPLY, INSTALLATION, TESTING &amp; COMMISSIONING OF 2 No. 6 PASSENGERS LIFTS (machine room less) AT STATE BANK INSTITUTE OF LEARNING &amp; DEVELOPMENT, URBAN ESTATE, PHASE-II, PATIALA</b>
(b)	Bid Declaration	<b>Bid security declaration form annexure-I shall be submitted along with tender document</b>
(c)	Time allowed for completion of the Works from Seven day after the date of written Order or date of handing over of the site (Whichever is later) to commence the work	5 Months

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

2) I/ We understand that as per terms of this tender, the SBI may consider accepting our tender in part or whole or may entrust the various work proposed in phases. We, therefore, undertake that we shall not raise any claim/ compensation in the eventuality of Bank deciding to drop any of the work from the scope of work of this tender at any stage during the contract period. Further, we also undertake to execute the work entrusted to us in phases on our approved rates and within stipulated time limit without any extra claim for price escalation as also provided for in the clause of "Instructions to Tenderers" of this tender.

3) I/ We, hereby, also undertake that, we will not raise any claim for any escalation in the prices of any of the material during the currency of contract/execution/completion period including authorized extended contract period, if any.

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Yours faithfully,  
Signature of Contractors.

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### **Process Compliance Statement (Annexure III)**

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

To,  
E-Procurement Technologies Ltd. (Auction Tiger)  
B-704 Wall Street - II,  
Opp. Orient Club,  
Nr. Gujarat College, Ahmedabad - 380 006.  
Gujarat State, India

**Sub: TENDER FOR PROPOSED SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF 2 No. 6 PASSENGERS LIFTS (MACHINE ROOM LESS) AT STATE BANK INSTITUTE OF LEARNING & DEVELOPMENT, URBAN ESTATE, PHASE-II, PATIALA**

Dear Sir,

This has reference to the Terms & Conditions for the Reverse Auction mentioned in the Tender document

**This letter is to confirm that:**

- 1) The undersigned is authorized representative of the company.
- 2) We have studied the Commercial Terms and the Business rules governing the Reverse Auction as mentioned in RFP of SBI as well as this document and confirm our agreement to them.
- 3) We also confirm that we have taken the training on the auction tool and have understood the functionality of the same thoroughly.
- 4) We confirm that SBI and ETL shall not be liable & responsible in any manner whatsoever for my/our failure to access & bid on the e-auction platform due to loss of internet connectivity, electricity failure, virus attack, problems with the PC, any other unforeseen circumstances etc. before or during the auction event.
- 5) **We also confirm that we have a valid digital signature certificate issued by a valid Certifying Authority.**
- 6) We also confirm that we will mail the price confirmation & break up of our quoted price as per Annexure VII& Annexure VIII within 24 hours of the completion of the reverse auction and the format as requested by SBI/EPTL.
- 7) We, hereby confirm that we will honor the Bids placed by us during the auction process.

With regards,  
Date:

Signature with company seal Name:

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Company / Organization:

Designation within Company / Organization:

Address of Company / Organization:

**(Scan it and send to this Document to EPTL )**

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## **GENERAL CONDITIONS OF CONTRACT**

### **1.0 Definitions: -**

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

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

1.1.1 "SBI" shall mean State Bank of India (Client) having its Corporate Centre at Madame Cama Road, Nariman Point, Mumbai- 400 021 and its representative Local Head Offices/Administrative Offices/Regional Business Offices/Branches at various places across India and includes the client's representatives, successors and assigns.

1.1.2 'The Contractor/ Vendor' shall mean the individual or firm or company undertaking the works and shall include legal personal representative of individual or composing the firm or company and the permitted assignees of individual or firms of company.

1.1.3 The expression 'works' or 'work' shall mean the permanent or temporary work description in the "Scope of work" and / or to be executed in accordance with the contract includes materials, apparatus, equipment, temporary supports, fittings and things of kinds to be provided, the obligations of the Contractor/ Vendor hereunder and work to be done by the Contractor/ Vendor under the contract.

1.1.4 Engineer' shall mean the representative Civil / Electrical Engineer of the SBI

1.1.5 'Drawings' shall mean the drawings prepared and issued by SBI or their Architects and referred to in the specifications and any modifications of such drawings as may be issued by the Engineer from time to time.

1.1.6 'Contract value shall mean value of the entire work as stipulated in the letter of acceptance of tender subject such additions thereto or deductions there from as may be made under the provide herein after contained.

1.1.7 Specifications' shall mean the specifications referred to in the tender and modifications thereof as may time to time be furnished or approved by the SBI

1.1.8 "Month" means calendar month.

1.1.9 "Week" means seven consecutive days.

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

1.1.11 SBI's Engineer" shall mean The Civil / Electrical Engineer in - charge of the Project.

### **2.0 CLAUSE**

1.0 Total Security Deposit: The Total Security deposit comprise of

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- a) Bid Security Declaration
- b) Retention Money

**a) Bid Security Deposit-**

The tenderer shall furnish submit the bid security declaration from bidder Instead of Earnest Deposit (Govt. of India office Memorandum note no F.9/4/2020-PPD Dated 12 Nov. 2020). No tender shall be considered unless the bid security declaration is so the required form.

**b) Retention Money: -**

An amount @ 3% of the bill amount will be retained by the SBI from the bills and the same will be released by the SBI against Bank guarantee for equal amount issued by any Nationalized /Scheduled Bank in the SBI's approved format valid for 1 year. The Bank guarantee shall be released only after completion of warranty period of 1year provided no complaint is received in the office chairs or the defects has been rectified by replacing the same satisfactorily.

The successful bidder may choose to submit such Bank Guarantee to the SBI soon after commencement of work to avoid deduction of retention money from the Bills. No advance on materials / plant / machinery or mobilization advance shall be paid in any circumstances.

**2.0 Language**

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

**3.0 Errors, Omissions and discrepancies**

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

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

**4.0 Scope of Work:**

The Contractor/ Vendor shall carryout, complete and maintain the said work in every respect strictly accordance with this contract and with the directions of and to the satisfaction of the Bank to be communicated through SBI. The SBI at the direction of the Bank from time to time issue further drawings and / or written instructions, detailed directions and explanations which are hereafter collectively referred to as instructions in regard to the variation or modification of the design, quality or quantity of any work or the addition or omission or substitution work. Any discrepancy in the

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drawings or between BOQ and / or drawings and / or specifications should be brought to the notice of SBI immediately. The removal from the site of any material brought thereon by the Contractor/ Vendor and any substitution of any other materials therefore the removal and / or re-executed of any work executed by him. The dismissal from the work of any person engaged thereupon.

5.0 i) **Letter of Acceptance:**

Within the validity period of the tender the SBI shall issue a letter of acceptance directly by registered post or otherwise depositing at the office of the Contractor/ Vendor as given in the tender to enter into a Contract for the execution of the work as per the terms of the tender. The letter of acceptance shall constitute a binding contract between the SBI and the Contractor/ Vendor.

ii) **Contract Agreement:**

On receipt of intimation of the acceptance of tender from the SBI. The successful tenderer shall be bound to implement the contract and within 15 days there of shall sign an agreement in a non-judicial stamp paper of appropriate value.

6.0 **Ownership of drawings:**

All drawings, specifications and copies thereof furnished by the SBI are the properties of the SBI. They are not to be used on other work.

7.0 **Detailed drawings and instructions:**

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

The work shall be executed in conformity therewith and the Contractor/ Vendor prepare a detailed program schedule indicating therein the date of start and completion of various activities on receipt of the work order and submit the same to the SBI through the architect/consultant

7.0 **Copies of agreement**

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

8.0 **Liquidated damages:**

If the Contractor/ Vendor fails to maintain the required progress in terms of relevant clause under General Conditions of Contract (GCC) or to complete the work and clear the site including vacating their office on or before the contracted or extended date or completion, without justification in support of the cause of delay, he may be called upon without prejudice to any other right of remedy available under the law to the SBI on account of such breach to pay a liquidated damage at the rate of 0.50% of the contract value subject to a maximum of 5% of the contract value.

9.0 **Materials, Appliances and Employees**

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

10.0 **Permits, Laws and Regulations:**

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

**11.0 Setting out Work:**

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

**12.0 Protection of works and property:**

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

He shall take adequate care and steps for protection of the adjacent properties. The Contractor/ Vendor shall take all precautions for safety and protections of his employees on the works and shall comply with all applicable provisions of Govt. and local bodies' safety laws and building codes to prevent accidents, or injuries to persons or property on about or adjacent to his place of work. The Contractor/ Vendor shall take insurance covers as per clause at his own cost. The policy may be taken in joint names of the Contractor/ Vendor and the SBI and the original policy may be lodged with the SBI.

**13.0 Inspection of work:**

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

**14.0 Assignment and subletting**

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

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

All materials and workmanship shall be best of the respective kinds as described in the contract/BOQ and in accordance with SBI's instructions and shall be subject from time to time to



such tests as the SBI. may direct at the place of manufacture or fabrication or on the site or an approved testing laboratory. The Contractor/ Vendor shall provide such assistance, instruments, machinery, labor, and materials as are normally required for examining measuring sampling and testing any material or part of work before incorporation in the work for testing as may be selected and required by the SBI.

ii) **Samples**

All samples of adequate numbers, size, shades & pattern as per specifications shall be supplied by the Contractor/ Vendor without any extra charges. If certain items proposed to be used are of such nature that samples cannot be presented or prepared at the site detailed literature / test certificate of the same shall be provided to the satisfaction of the SBI. Before submitting the sample / literature the Contractor/ Vendor shall satisfy himself that the material / equipment for which he is submitting the sample / literature meet with the requirement of tender specifications. Only when the samples are approved in writing by SBI the Contractor/ Vendor shall proceed with the procurement and installation of the particular material / equipment. The approved samples shall be signed by SBI for identification and shall be kept on record at site office until the completion of the work for inspection / comparison at any time. SBI shall take reasonable time to approve the sample. Any delay that might occur in approving the samples for reasons of its not meeting the specifications or other discrepancies inadequacy in furnishing samples of best qualities from various manufacturers and such other aspects causing delay on the approval of the materials / equipment etc. shall be to the account of the Contractor/ Vendor.

iii) **Cost of tests**

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

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

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

17.0 **Contractor/ Vendor's superintendence**

The Contractor/ Vendor shall give necessary personal superintendence during the execution the works and as long, thereafter, as the SBI may consider necessary until the expiry of the defects liability period, stated here to.

18.0 **Quantities**

The bill of quantities (BOQ) unless or otherwise stated shall be deemed to have been prepared in accordance with the Indian Standard Method of Measurements and quantities. The rate quoted shall remain valid for variation of quantity against individual item to any extent.

19.0 **Works to be measured**

SBI may from time to time intimate to the Contractor/ Vendor that the work is required to be measured and the Contractor/ Vendor shall forthwith attend or send a qualified representative to assist the SBI in taking such measurements and calculation and to furnish all particulars or to give all assistance required by any of them. Such measurements shall be taken in accordance with the Mode of measurements detail in the specifications. The representative of SBI shall take measurements with

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

#### 20.0 **Variations**

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

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

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

- a)
  - (i) The net rates or prices in the contract shall determine the valuation of the extra work where such extra work is of similar character and executed under similar conditions as the work priced herein.
  - (ii) Rates for all items, wherever possible should be derived out of the rates given in the priced BOQ.
- b) The net prices of the original tender shall determine the value of the items omitted, provided if omissions do not vary the conditions under which any remaining items of Works are carried out, otherwise the prices for the same shall be valued under subClause 'c' hereunder.
- c) Where the extra works are not of similar character and/or executed under similar conditions as aforesaid or where the omissions vary the conditions under which any remaining items or works are carried out, then the Contractor/ Vendor shall within 7 days of the receipt of the letter of acceptance inform the SBI of the rate which he intends to charge for such items of work, duly supported by analysis of the rate or rates claimed and the SBI shall fix such rate or prices as in the circumstances in its opinion are reasonable and proper, based on the market rate.
- d) Where extra work cannot be properly measured or valued the Contractor/ Vendor shall be allowed day work prices at the net rates stated in the tender, of the BOQ or, if not, so stated then in accordance with the local day work rates and wages for the district; provided that in either case,

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vouchers specifying the daily time (and if required by the SBI) the workman's name and materials employed be delivered for verifications to the Architect /consultant at or before the end of the week following that in which the work has been executed.

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

#### 22.0 **Final measurement**

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

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

On successful completion of entire works covered by the contract to the full satisfaction of the SBI, the Contractor/ Vendor shall apply to SBI for completion certificate.

Upon the satisfactory fulfillment by the Contractor/ Vendor as stated above, the Contractor/ Vendor is entitled to apply to the SBI of satisfactory completion of work. Relative to which the completion certificate has been sought, the SBI shall within fourteen (14) days of the receipt of the application for completion certificate, issue a VCC in respect of the work for which the VCC has applied.

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

#### 24.0 **Commencement of Works:**

The date of commencement of the work will be reckoned as the date of execution of agreement with SBI or possession of site whichever is later.

#### 25.0 **Time for completion**

Time is essence of the contract and shall be strictly observed by the Contractor/ Vendor. The entire work shall be completed within a period of **5 calendar months** from the date of commencement.

#### 26.0 **Extension of time**

If, the work be delayed for reasons beyond the control of the Contractor/ Vendor, the Contractor/ Vendor may submit a recommendation to the SBI to grant a fair and reasonable extension of time for completion of work as per the terms of contract. If the Contractor/ Vendor needs an extension of time for the completion of work or if the completion of work is likely to be delayed for any reasons beyond the due date of completion as stipulated in the contract, the Contractor/ Vendor shall apply to the SBI. in writing at least 30 Days before the expiry of the scheduled time and while applying for extension of time he shall furnish the reason in detail and his justification if any, for the delays in the prescribed format for granting extension of time. While granting extension of time the Contractor/ Vendor shall be informed the period extended time which will qualify for levy of liquidated damages. For the balance period in excess of original stipulated period and duly sanctioned extension of time by the provision of liquidated damages as stated under clause 8.0 shall become

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applicable. Further the contract shall remain in force even for the period beyond the due date of completion irrespective whether the extension is granted or not.

#### 27.0 **Rate of progress**

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

#### 28.0 **Work during nights and holidays**

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

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

#### 29.0 **No compensation or restrictions of work**

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

Provided that the Vendor shall be paid the charges on the cartage of only materials actually and bona-fide brought to the site of the work by the Contractor/ Vendor and rendered surplus as a result of the abandonment, curtailment of the work or any portion thereof and then taken back by the Vendor, provided however that the SBI shall have in such cases the option of taking over all or any such materials at their purchase price or a local current rate whichever is less.

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

#### 30.0 **Suspension of work**

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- i) The Contractor/ Vendor shall, on receipt of the order in writing of SBI (whose decision shall be final and binding on the Contractor/ Vendor) suspend the progress of works or any part thereof for such time and in such manner as SBI may consider necessary so as not to cause any damage or injury to the work already done or endanger the safety thereof for any of following reasons:
- a) On account any default on the part of the Contractor/ Vendor, or
  - b) For proper execution of the works or part thereof for reasons other than the default the Vendor/ Contractor, or
  - c) For safety of the works or part thereof.

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

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

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

31.0 **Action when the whole security deposit is forfeited**

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

- a) To rescind the contract (of which rescission notice in writing to the Contractor/ Vendor by SBI shall be conclusive evidence) and in which case the security, deposit of the Contractor/ Vendor shall be forfeited and be absolutely at the disposal of SBI
- b) To employ labour paid by the SBI and to supply materials to carry out the work, or part of the work, debiting the Contractor/ Vendor with the cost of the labour and materials cost of such labour and materials (as worked out by the SBI shall final and conclusive against the Contractor/ Vendor) and crediting him with the value of the work done, in all respects in the same manner and at the same manner and at the same rates as if it had been carried out by the Contractor/ Vendor under the terms of this contract certificate of SBI as to the value of work done shall be final conclusive against the Contractor/ Vendor.
- c) To measure up the work of the Contractor/ Vendor, and to take such part thereof as shall be unexecuted, out of his hands, and to give it to another Contractor/ Vendor to complete, in which case any expenses which may be incurred in excess of the sum which would have been paid to the original Contractor/ Vendor, if the whole work had been executed by him ( The amount of which excess the certificates in writing of the SBI shall final and conclusive) shall be borne by original Contractor/ Vendor and may be deducted if any money due to him by SBI under the contract or otherwise, or from his security deposit or the proceeds of sale thereof, or sufficient part thereof.

In the event of any of above courses being adopted by the SBI the Contractor/ Vendor shall have no claim to compensation for any loss sustained by him by reasons of his having purchased or procured any material or entered into any engagements or make any advances on account of, or with a view to the execution of the work or the performance of the contract and in case the contract shall be rescind under the provision aforesaid, the Contractor/ Vendor shall not be entitled to recover or to be paid any sum or any work thereto for actually performed under this contract,

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unless, and until SBI will have 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.

### 32.0 **Owner's right to terminate the contract**

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

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

Or shall assign or sublet this contract without the consent in writing of the SBI or shall charge or encumber this contract or any payment due to which may become due to the Contractor/ Vendor there under:

- a) has abandoned the contract; or
- b) has failed to commence the works or has without any lawful excuse under these conditions suspended the progress of the works for 14 days after receiving from the SBI written notice to proceed, or
- c) *has failed to proceed with the works with such diligence and failed to make such due progress as would enable the works to be completed within the time agreed upon, or has failed to remove the materials from the site or to pull down and replace work within seven days after written notice from the SBI that the said materials were condemned and rejected by the SBI under these conditions; or has neglected or failed persistently to observe and perform all or any of the acts matters or things by this contract to be observed and performed by the contractor for seven days after written notice shall have been given to the Contractor/ Vendor to observe or perform the same or has to the detriment of good workmanship or in defiance of the SBI to the contrary subject any part of the contract.*

Then and in any of said cases the SBI may notwithstanding any previous waiver, after giving seven days' notice in writing to the Contractor/ Vendor, determine the contract, but without thereby affecting the powers of the SBI or the obligation and liabilities of the Contractor/ Vendor the whole of which shall continue in force as fully as if the contract had not been determined and as if the works subsequently had been executed by or on behalf of the Contractor/ Vendor. And, further the SBI or their employees may enter upon and take possession of the work and all plants, took scaffoldings, materials, sheds, machineries lying upon the premises or on the adjoining lands or roads use the same by means of their own employees or workmen in carrying on and completing the work or by engaging any other Contractor/ Vendors or persons to the work and the Contractor/ Vendor shall not in any was interrupt or do any act, matter or thing to prevent or hinder such other Contractor/ Vendor or other persons employed for complement and finishing or using the materials and plant for the works.

When the works shall be completed or as soon thereafter as convenient to the SBI a notice in writing will be given to the Contractor/ Vendor to remove his surplus materials and plants and should the Contractor/ Vendor fail to do so within 14 days after receive thereof by him the SBI sell the same by publication, and after due publication, and shall, adjust the amount realized by such

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auction. The Contractor/ Vendor shall have no right to question any of the act of the SBI incidental to the sale of the materials etc.

### 33.0 **Certificate of payment**

The contractor shall be entitled under the certificates to be issued by the Architect / consultant to the contractor within 10 working days from the date of certificate to payment from SBI from time to time. The SBI shall recover the statutory recovering other dues including the retention amount from the certificate of payment.

Provided always that the issue of any certificate by the Architect / consultant during progress of works or completion shall not have effect as certificate of satisfaction relieve the contractor from his liability under clause.

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

The Architect / consultant may by any certificate make any corrections required previous certificate.

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

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

The Contractor shall not submit interim bills when the approximate value of work done by him is less than **Rs. 10.0 Lakh.**

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

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

No advance on materials / plant / machinery or mobilization advance shall be paid in any circumstances.

The SBI shall recover the statutory recoveries viz. TDS, retention and other dues, if any, as per contractual provisions.

The SBI shall have power to withhold the payment if the work or part thereof is not carried out to their satisfaction.

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

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

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the cancellation, termination, completion or abandonment thereof shall be dealt with as mentioned hereinafter:

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

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

The AGM(P & E) shall give his decision in writing on the claims notified by the receipt of the contractor may within 30 days of the receipt of the decision of the AGM(P & E) Submit his claims to the conciliating authority.

- i) If the conciliation proceedings are terminated without settlement of the disputes, the contractor shall, within a period of 30 days of termination thereof shall give a notice to the concerned AGM(P & E) of the SBI for appointment of an arbitrator to adjudicate the notified claims falling which the claims of the contractor shall be deemed to have been considered absolutely barred and waived.

- ii) Except where the decision has become final, binding and conclusive in terms of the contract, all disputes or differences arising out of the notified claims of the contractor as aforesaid and all claims of the SBI shall be referred for adjudication through arbitration by the Sole Arbitrator appointed by the AGM(P & E) . It will also be no objection to any such appointment that the Arbitrator so appointed is a SBI Officer and that he had to deal with the matters to which the Contract relates in the course of his duties as SBI. If the arbitrator so appointed is unable or unwilling to act or resigns his appointment or vacates his office due to any reason whatsoever another sole arbitrator shall be appointed in the manner aforesaid by the said AGM(P & E) of the SBI. Such person shall be entitled to proceed with the reference from the stage at which it was let by his predecessor. It is a term of this contract that the party invoking arbitration shall give a list of disputes with amounts claimed in respect of each dispute along with the notice for appointment of arbitrator.

It is also a term of this contract that no person other than a person appointed by such Chief General Manager as aforesaid should act as arbitrator.

The conciliation and arbitration shall be conducted in accordance with the provisions of the Arbitration & Conciliation Act 1996 or any or any accordance modification or reenactment thereof and the rules made there under.

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

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It is also a term of the contract that the Arbitrator shall be deemed to have entered on the reference on the date he issues notice to both the parties calling them to submit their statement of claims and counter statement of claims. The venue of the arbitration shall be such place as may be fixed by the arbitrator in his sole discretion. The fees, if any of the arbitrators shall, if required to be paid before the award is made and published, be paid half and half by each of the parties. The Cost of the reference and of the award (including the fees, if any of the arbitrator) shall be in the discretion of the arbitrator who may direct to any by whom and in what manner, such costs or any part thereof, shall be paid and fix or settle the amount of costs to be so paid

### 35.0 **Method of measurement**

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

### 36.0 **Maintenance of registers**

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

- I) Register for secured advance
- II) Register for hindrance to work
- III) Register for running account bill
- IV) Register for labour

### 37.0 **Force Majeure**

37.1 Neither Contractor/ Vendor nor SBI shall be considered in default in performance of the obligations if such performance is prevented or delayed by events such as but not war, hostilities revolution, riots, civil commotion, strikes, lockout, conflagrations, epidemics, accidents, fire, storms, floods, droughts, earthquakes or ordinances or any act of or for any other cause beyond the reasonable control of the party affected or prevents or delayed. However, a notice is required to be given within 30 days from the happening of the event with complete details, to the other party to the contract.

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

37.3 From the date of occurrence of a case of force majeure obligations of the party affected shall be suspended during the continuance of any inability so caused. With the caused itself and inability resulting there from having been removed, the agreed time completion of the respective obligations under this agreement shall stand extended a period equal to the period of delay occasioned by such events.

37.4 Should one or both parties be prevented from fulfilling the contractual obligations by state of force majeure lasting to a period of 6 months or more the two parties, shall mutually decide regarding the future execution of this agreement.

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### 38.0 Local laws, Acts Regulations:

The Contractor/ Vendor shall strictly adhere to all prevailing labour laws including the contract labour (regulation and abolition act of 1970) and other safety regulations. The Contractor/ Vendors should comply with the provision of all labour legislation including the latest requirements of the Acts, laws, any other regulations that are applicable to the execution of the project. The Contractor / Vendor has to provide the license/certification (if applicable) for the lifts from local/sate authority/agency before handover of the lift to SBI.

### 39.0 Accidents

The Contractor/ Vendor shall immediately on occurrence of any accident at or about the site or in connection with the execution of the work report such accident to the architect/ consultant. The Contractor/ Vendor shall also such report immediately to the competent authority whenever such report is required to be lodged by the law and take appropriate actions thereof.

40.0 The contractor's shall be bound to comply the following provision in terms of **"Restrictions imposed by the Government of India, Ministry of Finance Department of Expenditure under Rule 144 (XI) of General Financial Rules 2017 vide their order no. F. No 6/18/2019/PPD dated 23rd July 2020"** as under;

- I. Any bidder from a country which shares a land border with India will be eligible to bid in this tender ONLY if the bidder is registered with the Competent Authority (registration committee constituted by the Department for Promotion of Industry and Internal Trade).
- II. 'Bidder' (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial judicial person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.
- III. 'Bidder from a country which shares a land border with India (such a country)' for this purpose means:
  - a. An entity incorporated, established or registered in such a country; or
  - b. A subsidiary of an entity incorporated, established or registered in such a country; or
  - c. An entity substantially controlled through entities incorporated, established or registered in such a country; or
  - d. An entity whose beneficial owner is situated in such a country; or
  - e. An Indian (or other) agent of such an entity; or
  - f. A natural person who is a citizen of such a country; or
  - g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above
- IV. The beneficial owner for the purpose of (iii) above will be as under:
  1. In case of A Company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more judicial person, has a controlling interest or who exercises control through other means.

Explanation-

    - a. "Controlling ownership interest" means ownership of or entitlement to more than twenty-five percent of shares or capital or profits of the company;

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- b. "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;
- 2. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more judicial person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;
- 3. In case of an unincorporated association or body of Individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more judicial person, has ownership of or entitlement to more than fifteen percent of the property or the capital or profits of such association or body of individuals;
- 4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
- 5. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.
- V. An Agent is a person to do any act for another, or to represent another in dealings with third person.
- VI. The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

All bidders need to submit a declaration-cum-certificate (along with evidence) in this regard as per "**Annexure IV**". Failure to submit such valid declaration-cum-Certificate will make the bid liable for rejection."

**ANNEXURE "IV"**

Declaration-Cum- Certificate on the Letter Head of Bidder Regarding Restrictions on Procurement From Bidders From A Country Or Countries, On Grounds Of Defence In India, Or Matters Directly Related Thereto, Including National Security.

**Restrictions under Rule 144 (XI) of General Financial Rules 2017 of Ministry of Finance, India order no. F. No 6/18/2019/PPD dated 23<sup>rd</sup> July 2020**

I/We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India;

I/We, the bidder (Specify full name -----) certify that we are NOT from such a country OR, if from such a country, has been registered with Competent Authority.

I/We hereby certify that we fulfil all requirements in this regard and is eligible to be considered.

(Signature of Authorised Signatory along with Seal)

Name of authorised signatory:

Designation of Authorised signatory:

List of Evidences enclosed:

1. Copy of certificate of valid registration with the Competent Authority (Score out if not applicable)
2. ....
3. ....
4. ....

Date:

Place:

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## **SPECIAL CONDITION OF CONTRACT**

1. The Technical Bid should contain the following: -
  - a. Technical Bid duly signed and sealed on each page.
  - b. Banker's Cheque/Demand Draft of Earnest Money deposit.
  - c. If any, The Authorization Certificate issued by the Bank's approved Principal Manufacturer only certifying that the tenderer is an Authorized Converter/Agency of their Company and they have been specifically authorized by them (i.e. OEM) to participate in the bidding process of SBI.
  - d. If any, An undertaking from the Bank's approved OEM, in original, to the effect that in case their Authorised Agency/Converter is not able to perform contractual obligations for the project during the contract period, the Original Manufacturer shall own full responsibility to comply all contractual obligations relating the captioned work of SBI at their own (i.e. OEM's) risk cost and consequences.

The technical bid not accompanied by abovementioned any one or more documents shall be treated as non-responsive bid and the same shall be summarily disqualified. Moreover, such bidders shall not be allowed to participate in the submission of Indicative Price bidding followed by the E-reverse auction. No correspondence shall be entertained in this regard.

2. **Taxes, duties, levies etc.:**

The rates quoted shall be inclusive of all taxes, duties, levies, royalties, fees, cess or charges in respect of the works but excluding GST which shall be payable over and above the approved rates as per actual. Variation of taxes, duties, fees, levies etc. (excluding GST) if any, till completion of work shall be deemed to be included in the quoted rates and no extra claim on this account in any case will be entertained. If a new tax or duty or levy or cess or royalty or octroi is imposed under as statutory law during the currency of contract the same shall be borne by the Contractor/ Vendor. **GST will however be paid by the SBI as applicable.**

3. The Contractor/ Vendor shall study the schedule of items, technical specifications, drawings, design, etc. for its sufficiency considering all the regulations of local authorities and supply company and code of standard as applicable at the time of submitting the tender and shall bring to the notice of bank, addition or deletion, if any, in writing before due date of submission of tender.

4. **Acceptance of tender**

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

5. **Dimensions and levels**

All dimensions and levels shown on the drawings shall be verified by the contractor and the site and he will be held responsible for the accuracy and maintenance of. All the dimensions and the levels. Figured dimensions are in all cases to be accepted and dimension shall be scaled. Large scale details shall take precedence over small scale drawings. In case of discrepancy the contractor shall ask for clarification from the Architect / consultant before proceeding with the work.

6. **Notice of operation**

The contractor shall not carry out any important operation without the Consent in with from the Architect / consultant:

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7. **Construction records**

The contractor shall keep and provide to the Architect / consultant full and accurate records of the dimensions and positions of all new work and any other information necessary to prepare complete drawings recording details of the work as construction.

8. **Safety of adjacent structures and trees**

The contractor shall provide and erect to the approval of the Architect / consultant supports as may be required to protect effectively all structures and protective give to trees, which may be endangered by the execution of the works or otherwise such permanent measures as may be required by the Architect to protect the tree structures.

9. **Temporary works**

Before any temporary works are commenced the contractor shall submit at least in advance to the architect / consultant for approval complete drawings of all temporary works he may require for the execution of the works. The contractor shall carry out the modifications relating to strength, if required by the architect / consultant may require in accordance with the conditions of contract at his own cost the contractor shall be solely responsible for the stability and safety of all temporary works and unfinished works and for the quality of the permanent works resulting from the arrangement eventually adopted for their execution.

10. **Water power and other facilities**

- a) The rate quoted by the contractor shall include all expenses that are required for providing all the water required for the work and the contractor shall make his own arrangements for the supply of good quality water suitable for the construction and good quality drinking water for their workers If necessary the contractor has to sink a tube well / open well and bring water by means of tankers at his own cost for the purpose The STATE BANK OF INDIA will not be liable to pay any charges in connection with the above
- b) The rate quoted in the tender shall include the expenses for obtaining and maintaining power connections and shall pay for the consumption charges
- c) The contractors for other trades directly appointed by the STATE BANK OF INDIA shall be entitled to take power and water connections from the temporary water and power supply obtained by the contractor However, the concerned contractor shall make their own arrangements to draw the supply and pay directly the actual consumption charges at mutually agreed rates between them. All municipal charges for drainage and water connection for Construction purposes shall be borne by the contactor and charges payable for permanent connections, if any, shall be initially paid by the contactor and the SBI will reimburse the amount on production of receipts
- d) The SBI as well as the Architect / consultant shall give all possible assistance to the Contractor's to obtain the requisite Permission from the various authorities, but the responsibility for obtaining the same in time shall be of the contractor

11. **Facilities for contractor's employees**

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

12. **Lighting of works**

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

**13. Firefighting arrangements**

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

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

- a) Proper handling, storage and disposal of combustible materials and waste.
- b) Work operations which can create fire hazards.
- c) Access for fire-fighting equipment.
- d) Type, number and location of containers for the removal of surplus materials and rubbish.
- e) Type, size, number and location of fire extinguishers or other fire fighting equipment.
- f) General house keeping

**14. Site order book**

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

**15. Temporary fencing/ barricading**

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

**16. Site meetings**

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

**17. Disposal of refuse**

The contractor shall cart away all debris, refuse etc. arising from the work from the site and deposit the same as directed by the architect / consultant at his own cost. It is the responsibility of the contractor to obtain from the local authorities concerned to the effect that all rubbish arising out of

contractor's activities at the construction site or any other off-site activities borrow pits has been properly disposed off.

**18. Contractor to verify site measurement**

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

**19. Displaying the name of the work**

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

**20. As built drawings**

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

ii) For the drawings prepared by the contractor

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

**21. Approved make**

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

**22. Excise duty, taxes, levies etc.;**

The contractor shall pay and be responsible for payment of all taxes, duties, levies, royalties, fees, cess or charges in respect of the works including but not limited to sales tax, tax on works contract excise duty, and octroi, payable in respect of materials, equipment plant and other things required for the contract. All of the aforesaid taxes, duties, levies, fees and charges shall be to the contractor's account and the STATE BANK OF INDIA shall not be required to pay any additional or extra amount on this account. Variation of taxes, duties, fees, levies etc. if any, till completion of work shall be deemed to be included in the quoted rates and no extra amount on this account. Variation of taxes, duties, fees, levies etc. if any, till completion of work shall be deemed to be included in the quoted rates and no extra claim on this account will in any case be entertained. If a new tax or duty or levy or cess or royalty or octroi is imposed under as statutory law during the currency of contract the same shall be borne by the contractor.

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### **23. Photographs:**

- The Contractor shall at his own expense supply to the Architects with duplicate hard copies of large photographs not less than 25 cm. x 20 cm. (10" x 8") of the works, taken from two approved portions of each building, at intervals of not more than one months during the progress of the work or at every important stage of construction.
- In addition to above, the contractor shall be bound to submit adequate no. of site photographs along with each Running Bill for the project clearing showing major progress of work measured and claimed therein failing which the Architect/ STATE BANK OF INDIA may consider returning the Bill to the contractor and no claim for delay on this account will be entertained.

## **SAFETY CODE**

1. First aid appliances including adequate supply of sterilized dressing and cotton wool shall be kept in a readily accessible place.
2. An injured person shall be taken to a public hospital without loss of time, in cases when the injury necessitates hospitalization.
3. Suitable and strong scaffolds should be provided for workmen for all works that cannot safely be done from the ground.
4. No portable single ladder shall be over 8 meters in length. The width between the side rails shall not be less than 30 cm. (clear) and the distance between two adjacent running shall not be more than 30 cm. When a ladder is used an extra mazdoor shall be engaged for holding ladder.
5. The excavated material shall not be placed within 1.5 meters of the edge of the trench half of the depth of trench whichever is more. All trenches and excavations shall be provided with necessary fencing and lighting.
6. Every opening in the floor of a building or in a working platform be provided with suitable means to prevent the fall of persons or materials by providing suitable fencing or railing whose minimum height shall be one meter.
7. No floor, roof or other part of the structure shall be so overloaded with debris or material as to render it unsafe.
8. Workers employed on mixing and handling material such as asphalt, cement, mortar, concrete and lime shall be provided with protective footwear and rubber hand gloves.
9. Those engaged in welding works shall be provided with welders' protective eye shield and gloves.
10. (i) No paint containing lead or lead products shall be used except in the form of paste readymade paint.  
(ii) Suitable facemasks should be supplied for use by the workers when the paint applied in the form of spray or surface having lead paint dry rubbed and scrapped.
11. Overalls shall be supplied by the contractor to the painters and adequate facilities shall be provided to enable the working painters to wash during cessation of work.
12. Hoisting machines and tackle used in the works including their attachments anchor and supports shall be in perfect condition.
13. The ropes used in hoisting or lowering material or as a means of suspension shall be durable quality and adequate strength and free from defects.

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## SAMPLE BUISNESS RULE DOCUMENT

**BUISNESS RULE DOCUMENT OF ONLINE E-REVERSE AUCTION FOR TENDERS FOR SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF 2 No. 6 PASSENGERS LIFTS (MACHINE ROOM LESS) AT STATE BANK INSTITUTE OF LEARNING & DEVELOPMENT, URBAN ESTATE, PHASE-II, PATIALA**

<b>BUYER NAME</b>	<b>STATE BANK OF INDIA</b>
<b>AUCTION TO BE CONDUCTED BY</b>	M/s e-Procurement Technologies Ltd. B-704, Wall Street - II, Opp. Orient Club, Nr. Gujarat College, Ahmedabad - 380 006. Gujarat State, India Phone: +91 79 61200  <b>Auction Website: <a href="https://etender.sbi">https://etender.sbi</a></b>
<b>DATE &amp; TIME OF AUCTION</b> (Date and Time of E-reverse auction to be intimated after opening of technical bid)	Online Auction Date : Auction Time : One hour (With 6 extensions of 5 min each)
<b>DOCUMENTS ATTACHED</b>	(A) Business rules for Reverse Auction (B) terms & conditions of Reverse Auction (C) Annexure - I (D) Process Compliance Statement (Annexure II) (E) Price Confirmation Letter (Annexure III) (F) Price break up (Annexure IV)
<b>SPECIAL INSTRUCTIONS</b>	<u>Bidding in the last minutes and seconds should be avoided in the bidders own interest Neither the Service Provider nor SBI will be responsible for any lapses /failure on the part of the Contractor/ Vendor, in such cases</u>

**Important Note:** As per the new Inter-operability guidelines released by Controller of Certifying Authorities (CCA), the Secured Socket Layer (SSL) certificate for an eProcurement application is generated on a new algorithm, SHA2. Also, the Digital Signature Certificates that will be applicable for these platforms have to be SHA2 algorithm compliant.

For the same, the users have to ensure that they have Windows XP (SP3) / Windows Vista / Windows 7 or applicable version to be installed in their respective PC / Laptop. In case of Windows XP service pack 3, if you get any issue you can install the SSL patch, which is available at our download section of our e-Tender/e-Auction Portal and also at our corporate website [www.auctiontiger.net](http://www.auctiontiger.net) just below the label of "Download".

**(A) Business rules for Reverse Auction:**

Against this Enquiry for the subject item/system with detailed scope of supply as per our specification, SBI may resort to "REVERSE AUCTION PROCEDURE" i.e. ON-LINE BIDDING on INTERNET.

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2. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
3. SBI will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on Internet.
4. SBI will inform the Contractor/ Vendor in writing in case reverse auction, the details of service provider to enable them to contact and get trained.
5. Business rules like event date, time, start price, bid decrement, extensions, etc. also will be communicated through service provider for compliance.
6. Contractor/ Vendors have to send the mail the compliance form in the prescribed format (provided by service provider) before start of Reverse auction. Without this the Contractor/ Vendor will not be eligible to participate in the event.
7. Reverse auction will be conducted on schedule date & time.
8. At the end of reverse auction event, the lowest bidder value will be known on the network.
9. The lowest bidder has to mail the duly signed filled-in prescribed format as provided on case-to-case basis to SBI through service provider within 24 hours of auction without fail.
10. In case SBI decides not to go for Reverse auction procedure for this tender enquiry, the price bids and price impacts, if any already submitted and available with SBI shall be opened as per SBI standard practice.
11. **The reverse auction will be treated as closed only when the bidding process gets closed in all respects for the item listed in the tender.**

**(B) Terms & conditions of Reverse Auction:**

SBI shall finalize the procurement of the item against this Tender through reverse auction mode. SBI has made arrangement with M/s. e-Procurement Technologies Ltd, Ahmedabad (ETL) who shall be SBI's authorized service provider for the same. Please go through the guidelines given below and submit your acceptance to the same along with your Commercial Bid.

1. Computerized Reverse auction shall be conducted by SBI, on pre-specified date, while the Contractor/ Vendors shall be quoting from their own offices/ place of their choice. Internet connectivity and other paraphernalia requirements shall have to be ensured by Contractor/ Vendors themselves. In the event of failure of their Internet connectivity, (due to any reason whatsoever it may be) it is the bidders' responsibility. In order to ward-off such contingent situation bidders are requested to make all the necessary arrangements/ alternatives such as back –up power supply whatever required so that they are able to circumvent such situation and still be able to participate in the reverse auction successfully. Failure of power at the premises of Contractor/ Vendors during the Reverse auction cannot be the cause for not participating in the reverse auction. On account of this the time for the auction cannot be extended and SBI is not responsible for such eventualities.
2. ETL shall arrange to train your nominated person(s), without any cost to you. They shall also explain you all the Rules related to the Reverse Auction. You are required to give your compliance on it before start of bid process.
3. BIDDING CURRENCY AND UNIT OF MEASUREMENT: Bidding will be conducted in Indian currency & Unit of Measurement will be displayed in Online Auction.
4. BID PRICE: The Bidder has to quote the rate as per the Tender Document provided by State Bank of India.
5. VALIDITY OF BIDS: The Bid price shall be firm for a period specified in the tender document and shall not be subjected to any change whatsoever.

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6. At the end of the reverse auction, bidder has to provide the price confirmation letter & a detail break up for his lowest offer within 24 hour of closing of auction as per the Annexure III & IV respectively.
7. Procedure of Reverse Auction:
  - i. **Online English Reverse (no ties) Auction (Reverse Auction):**
    - **OPENING PRICE & BID DECREMENT AMOUNT:** SBI will declare its Opening Price (OP), which shall be visible to the all Contractor/ Vendors during the start of the reverse Auction. You will be required to start bidding after announcement of Opening Price and decrement amount. Also, please note that the start price of an item in online reverse auction is open to all the participating bidders. Any bidder can start bidding, in the online reverse auction, from the start price itself. Also, please note that the first online bid that comes in the system during the online reverse auction can be equal to the auction's start price, or lesser than the auction's start price by one decrement, or lesser than the auction's start price by multiples of decrement. The second online bid and onwards will have to be lesser than the L1 rate by one decrement value, or lesser than the L1 rate by **multiples of the decrement value**.
    - The bid decrement amount shall be specified by SBI.
    - **DURATION OF AUCTION: English Reverse (no ties) shall be for a period of half an hour.** If a bidder places a Bid in the last 5 minutes of Closing of the Auction, the auction shall get extended automatically for another 5 minutes. In case, there is no Bid in the last 5 minutes of closing of Auction, the Auction shall get closed automatically without any extension. Please note that if there are more than one item in a single auction, the auto-extension will be applicable to the entire event i.e. whenever a bidder places an acceptable bid in the last 5 minutes of the closing of the auction, the auction shall get extended automatically for another 5 minutes from the time of this bid for all the items in the auction. **There are 6 extensions of 5 Min. each.** However, Contractor/ Vendors are advised not to wait till the last minute or last few seconds to enter their bid during the auto-extension period to avoid complications related with internet connectivity, network problems, system crash down, power failure, etc.
8. Successful Contractor/ Vendor shall be required to submit the final prices, quoted during the English Reverse (no ties) exactly in the format issued by SBI/Service provider after the completion of Auction to SBI, duly signed and stamped as token of acceptance without any new condition other than those already agreed to before start of auction.
9. During English Reverse (no ties), if no bid is received within the specified time, SBI, at its discretion, may decide to revise Opening price / scrap the reverse auction process / proceed with conventional mode of tendering.
10. Your bid will be taken as an offer to supply. Bids once made by you, cannot be cancelled / withdrawn and you shall be bound to supply as mentioned above at your final bid price. Should you back out and not supply as per the rates quoted, SBI shall take action as appropriate.
11. LOG IN NAME & PASSWORD: Each Bidder is assigned a Unique User Name & Password by ETL. The Bidders are requested to change the Password after the receipt of initial Password from ETL. All bids made from the Login ID given to the bidder will be deemed to have been made by the bidder.

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12. VISIBILITY TO BIDDER: The Bidder shall be able to view the following on his screen along with the necessary fields during English Reverse – No ties Auction:
  - b. Leading Bid in the Auction
  - c. Bid Placed by you
  - d. Auction Opening Price & bid decrement amount
  - e. Your rank in the auction
13. BIDS PLACED BY BIDDER: The bid of the bidder will be taken to be an offer to execute the work. Bids once made by the bidder cannot be cancelled. The bidder is bound to execute the work as mentioned above at the price that they bid. Should any bidder back out and not make the supplies as per the rates quoted, SBI and / or ETL shall take action as appropriate.
14. LOWEST BID OF A BIDDER: In case the bidder submits more than one bid, the lowest bid will be considered as the bidder's final offer to execute the work.
15. At the end of the Reverse Auction, SBI will decide upon the winner. SBI's decision on award of Contract shall be final and binding on all the Bidders.
16. SBI shall be at liberty to cancel the reverse auction process / tender at any time, before ordering, without assigning any reason.
17. SBI/ETL shall not have any liability to bidders for any interruption or delay in access to the site irrespective of the cause.
18. Other terms and conditions shall be as per your techno-commercial offers and other correspondences till date.
19. You are required to submit your acceptance to the terms / conditions / modality given above before participating in the reverse auction.
20. **AUCTION TYPE: 1) English Reverse No Ties Auction**
21. AUCTION WINNER: At the end of the Reverse Auction, SBI will evaluate all the bids submitted and will decide upon the winner.
22. OTHER TERMS & CONDITIONS:
  - The Bidder shall not involve himself or any of his representatives in Price manipulation of any kind directly or indirectly by communicating with other suppliers / bidders.
  - The Bidder shall not divulge either his Bids or any other exclusive details of SBI to any other party.
  - SBI's decision on award of Contract shall be final and binding on all the Bidders.
  - SBI along with ETL can decide to extend, reschedule or cancel any Auction. Any changes made by SBI and / or ETL, after the first posting will have to be accepted if the Bidder continues to access the site after that time.
  - ETL shall not have any liability to Bidders for any interruption or delay in access to the site irrespective of the cause.
  - ETL is not responsible for any damages, including damages that result from, but are not limited to negligence. ETL will not be held responsible for consequential damages, including but not limited to systems problems, inability to use the system, loss of electronic information etc. N.B.

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

### **(C) ANNEXURE- V**

The List of Items to be procured along with the Quantities and the Auction Start Time & lose Time is as follows:

#### **ITEM DESCRIPTION: XYZ**

<b>Item</b>	<b>Quantity</b>	<b>Opening Prices in Rs</b>	<b>Bid Decrement in Rs</b>	<b>Opening Time</b>	<b>Closing Time</b>
<b><u>XYZ</u></b>	Package	Will be displayed On Auction screen	Will be displayed On Auction screen	As above	As above

#### **PROCESS TO DECIDE THE WINNER I.E. L-1 BIDDER:**

The following example will clarify the process to be followed in the proposed reverse auction to decide the winner i.e. L-1:

#### **Illustrative Example:**

- The Indicative Price Bids shall be submitted by the various bidders in the following format:

S. No.	Item description	Quantity	Unit	Rate Per Unit (in Rupees) ***	Amount (In Rupees) ***
(1)	(2)	(3)	(4)	(5)	(6)
1	ABC	6	Sq. mt.	100.00	600.00
2	EFG	1	Sq. mt.	50.00	50.00
3	HIJK	2	Sq. mt.	75.00	150.00
4	MNOP	3	Sq. mt.	100.00	300.00
<b>Total Tender amount (sum of Items 1 to 4) denoted by (A)</b>					<b>1100.00</b>

\*\*\* The prices and amount mentioned in the above table are only meant for "Illustration" and the same has no relevance to the actual Item-wise Indicative Price Bid required to be quoted by the bidders.

The SBI shall decide, within its sole discretion, value lower than the estimated amount as "Start Bid Price" and all the price bids (Indicative bids) submitted by the vendors are kept sealed till the event of e-reverse auction. At the end of reverse auction process, the lowest Bidder (L1) will be selected on the basis of Total Price, including taxes.

- At the end of the reverse auction process, suppose the winner (L-1 bidder) offer their final quote against "A" (i.e. Algebraic sum under Column no. 6 in the above table) as Rs, 950.00 (denoted by "B" hereinafter), the K-Factor shall be determined as under:

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$$K=(B\div A) \text{ i.e. } (950\div 1100) = 0.864$$

- The Final Items-wise rates of the L-1 bidder shall be evaluated by multiplying their Item-wise quoted rates in the Indicative Price Bid by the Factor "K" calculated as above (i.e. proportionately reducing Indicative quote for all the tender items). Accordingly, in the above illustration, the final prices of the winner shall be evaluated as under:

S.No.	Item description	Quantity	Unit	Rate Per Unit quoted in Indicative Price Bid (in Rupees)***	Factor "K"	Final Per Unit Rate (In Rupees)
(1)	(2)	(3)	(4)	(5)	(6)	(7) = (5)x(6)
1	ABC	6	Sq. mt.	600.00	0.864	518.18
2	EFG	1	Sq. mt.	50.00	0.864	43.18
3	HIJK	2	Sq. mt.	150.00	0.864	129.55
4	MNOP	3	Sq. mt.	300.00	0.864	259.09
<b>Total amount worked out after e-reverse auction</b>						950.00

**(D) Process Compliance Statement (Annexure VI)**

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

To,  
E-Procurement Technologies Ltd. (Auction Tiger)  
B-704 Wall Street - II,  
Opp. Orient Club,  
Nr. Gujarat College, Ahmedabad - 380 006.  
Gujarat State, India

**Sub: Agreement To The Process Related Terms And Conditions For Online Reverse Auction for Tenders for SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF 2 No. 6 PASSENGERS LIFTS (MACHINE ROOM LESS) AT STATE BANK INSTITUTE OF LEARNING & DEVELOPMENT, URBAN ESTATE, PHASE-II, PATIALA**

Dear Sir,

This has reference to the Terms & Conditions for the Reverse Auction mentioned in the Tender document  
**This letter is to confirm that:**

- 1) The undersigned is authorized representative of the company.
- 2) We have studied the Commercial Terms and the Business rules governing the Reverse Auction as mentioned in RFP of SBI as well as this document and confirm our agreement to them.
- 3) We also confirm that we have taken the training on the auction tool and have understood the functionality of the same thoroughly.
- 4) We confirm that SBI and ETL shall not be liable & responsible in any manner whatsoever for my/our failure to access & bid on the e-auction platform due to loss of internet connectivity, electricity failure, virus attack, problems with the PC, any other unforeseen circumstances etc. before or during the auction event.
- 5) **We also confirm that we have a valid digital signature certificate issued by a valid Certifying Authority.**
- 6) We also confirm that we will mail the price confirmation & break up of our quoted price as per Annexure III & Annexure IV within 24 hours of the completion of the reverse auction and the format as requested by SBI/ETL.
- 7) We, hereby confirm that we will honor the Bids placed by us during the auction process.

With regards,

Date:

Signature with company seal Name:

Company / Organization:

Designation within Company / Organization:

Address of Company / Organization:

**(Scan it and send to this Document to eptl )**

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**(E) Price Confirmation Letter (Annexure VII)**

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

To,  
E-Procurement Technologies Ltd. (Auction Tiger)  
B-704, Wall Street - II,  
Opp. Orient Club,  
Nr. Gujarat College, Ahmedabad - 380 006.  
Gujarat State, India

**Sub: Final Price Quoted During Reverse Auction for Tenders for SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF 2 No. 6 PASSENGERS LIFTS (MACHINE ROOM LESS) AT STATE BANK INSTITUTE OF LEARNING & DEVELOPMENT, URBAN ESTATE, PHASE-II, PATIALA**

Dear Sir,

We confirm that we have quoted.

-----  
Thanking you and looking forward to the valuable order from SBI.

Yours sincerely,

For \_\_\_\_\_

Name:

Company:

Date:

Seal:

**(Scan it and send to this Document on eptl)**

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**(F) Price break up (Annexure VIII)**

Price Break up as per tender document

**TECHNICAL SPECIFICATIONS FOR GEARLESS PASSENGER LIFT**

## 1. General Requirements

The installations shall generally be carried out in conformity with the requirements of Indian Electricity Act, 1910 as amended up to date and Indian Electricity Rules, 1956 framed there under, the relevant regulations of the Electric Supply Authority concerned and also with the specifications laid down in the Indian Standard IS: 732/1963 "Code of Practice (Revised) for Electrical Wiring Installations (System Voltage not exceeding 650V)". The work shall be executed as per National Electrical Code and if any item is not covered there under or there is any doubt, the specification approved by the Engineer-in-charge will be final and binding.

## Ambient Conditions

All Electrical installations and equipment shall be suitable to work in following ambient conditions.

Maximum Temperature	:	50 degree Celsius
Relative Humidity	:	100 %

The Electrical installations and equipment shall be suitable for operation in following system conditions.

Supply voltage	:	415 Volts +/-10%
Supply frequency	:	50Hz +/-5%
Number of Phases	:	Three

## 2. DRIVE UNIT

- 2.1 The machine shall be of the Gearless A.C. permanent magnet type with a single piece main shaft, integral drive sheave and brake disc. The main brake shall be of the Disc type with independent dual action capable of arresting the load on any single caliper. In the event of undetected brake wear, the brake shall not lift and thereby automatically prevent further lift operation.
- 2.2 An AC Closed Loop, Variable Voltage Variable Frequency (VVVF), motion control and velocity profile shall be provided. The micro-computer-based speed control system shall incorporate a digital closed loop feedback system ensuring the actual elevator speed is in line with a dictated pattern during all phases of travel, namely acceleration, full running speed and deceleration. All phases of travel shall be controlled regardless of load or direction of travel.
- 2.3 The acceleration and deceleration values shall be easily adjustable on site by qualified personnel and shall be initially set at 1.2 m/s squared.
- 2.4 The stopping accuracy shall be no more than + / - 5 mm before loading or unloading the car. The mechanical brake shall not be operative before the car has been electrically stopped and at speed zero.
- 2.5 To compensate for rope stretch under various load conditions, an automatic re-leveling system is to be furnished to ensure the car stays within the floor leveling zone at all times.
- 2.6 The Car speed shall be  $\pm 3$  % of contract speed under any loading condition.

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- 2.7 The car Brake capacity should be capable of preventing the lift car from movement with 90 % of rated load, with the lift car at rest.
- 2.8 The Car ride quality shall be
- (i) Horizontal & Vertical vibration should be in conformity with industry / manufacturer's standard and max deviation should be of 3 %. The vendor to be supported by relevant test certificates and shall be verified with required monitoring / testing instrument at site before handing over.
  - (ii) Acceleration and Deceleration: the controller should provide for smooth acceleration and deceleration without any perceivable jerks
- 2.9 The vendor shall provide drives for ACVVVF with design unit to limit current, suppress noise, and prevent transient voltage feedback into building power supply. Provide internal heat sink cooling fans for the power drive portion of the converter panels. Conform to IEE standards for line harmonics and switching noise.
- 2.10 The Encoder shall be of Direct drive, solid-state, digital type. Update car position at each floor and automatically restore after power loss.
- 2.11 Machine and Equipment Support Beams:
- Provide new structural steel beams required for direct support of/ and attachment to building structure of hoist machine, deflector sheaves, overhead sheaves, governor, and hoist rope or belt dead-end hitch assemblies.
- Provide bearing plates, anchors, shelf angles, blocking, embedment, etc. for support and fastening of machine beams or equipment to the building structure.
- Isolate machine and overhead sheave beams to prevent noise and vibration transmission to building structure.
- 2.12 The over speed governor and Tripping of the safety gear shall be adjusted to 90 percent of the rated speed.
- 2.13 The Emergency Brake shall be Provided to prevent ascending car over-speed and unintended car movement as per Code. Mount the auxiliary brake on suitable structural steel supports. Provide control circuits to enable the device to function as required by Code.
- 2.14 All lift equipment including their supports and fastenings to building, shall be mechanically isolated from the building structure to minimize objectionable noise and vibration transmission to car, building structure, or adjacent occupied areas of building.
- 2.15 The noise level relating to lift equipment operation in machine room shall not exceed 75 db. All db readings shall be taken one meter off the floor and one meter from equipment.

### 3. LIFT WELL EQUIPMENT

- 3.1 The vendor shall provide guide rail, machined steel T-sections for car and counterweight of suitable size and weight for the application as per standard manufacturer's specifications, including brackets for attachment to building structure.
- 3.2 Buffers, Car and Counterweight: Provide new spring type with blocking and support channels.
- 3.3 Diverter or Secondary Sheaves: Provide new sheaves with machined grooves and sealed bearings. Provide mounting means to machine beams, machine bedplate, car and counterweight structural members, or

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building structure.

- 3.4 Counterweight: Provide new counterweight with steel frame with metal or concrete filler weights and sliding guides.
- 3.5 Governor pit tensioning sheaves: Provide new and mount sheaves and support frame on pit floor or guide rail. Provide frame with guides or pivot point to enable free vertical movement and proper tension of rope/belt and tape. Provide sheave guard and electrical safety switch. Provide inside pit, a ladder made out of Aluminium extruded sections for maintenance of pit equipment and pit cleaning.
- 3.6 Hoist and Governor Ropes: Provide new traction steel type to suit machine manufacturer's requirement. Fasten with staggered length, adjustable, spring isolated wedge type shackles.
- 3.7 Terminal Stopping: Provide normal and final devices.

#### 4. CONTROLLER

4.1 The control switchgear shall be microprocessor based. It shall incorporate the following:

- > Smooth acceleration and deceleration.
- > Smooth start/stop.
- > Accurate floor leveling of  $\pm 3$  mm to  $\pm 5$  mm.
- > Landing floor position.
- > Adjustable timer for car doors.
- > Automatic re-leveling.
- > Car overload cut-out.
- > Over load device
- > Fireman's Switch at Main Lobby with Stainless Steel Signal Fixtures.
- > Speed Governor System for Over Speeding.

#### 5. ELECTRICAL WIRING:

The Electrical Wiring and Wiring Connections should be done according to following schedule.

- (i) Conductors and Connections: Copper throughout with individual wires coded and connections on identified studs or terminal blocks. All wiring shall be run in containment. Use no splices or similar connections in wiring except at terminal blocks, control compartments, or junction boxes. Provide 10% spare conductors throughout. Run spare wires from car connection points to individual lift controllers in the machine room. Provide four pairs of spare shielded communication wires (Provision of spare Cable for installations of CCTV, Fire detector, PA etc needs to be provided by the bidder within quoted rates) in addition to those required to connect specified items. Tag spares in machine room.
- (ii) Travelling Cables: FRLS Cable shall be provided. Prevent travelling cable from rubbing or chafing against lift well or equipment within lift well.

All insulated conductors & conduit or tubing as well as fittings including boxes, through and ducts shall comply with the requirements of relevant IS specification or BS specifications

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## 6. LIFT CAR & EQUIPMENT

- 6.1 The lift shall be suitable for carrying 6 passengers i.e. 408-Kg at a speed of 1.0 mps. It shall travel from Ground floor to 3rd floor. Each floor height is about 3.5 m. It shall have three stops and three openings. All the openings shall be on same side. The machine room shall be located on the top. The lift car and car frame shall be constructed fully of metal. Special precautions shall be observed so that drumming is eliminated by use of the application of anti- drumming paint to the outside of the car wall panels.
- 6.2 19 mm Granite floor covering shall be provided in the lift car.
- 6.3 The car roof shall be of robust construction and design to withstand, without deformation, the weight of two men and tools.
- 6.4 Adequate Ventilation shall be provided in the car.
- 6.5 Car doors shall have the minimum clear opening of 700 wide x 2000 high and during travel the car door shall be mechanically locked.
- 6.6 Four 8-watt LED lamps with diffusers and one blower shall be provided in the car.
- 6.7 An emergency alarm unit shall be located at the main level served, the push for which should be clearly labeled in the car operating panel.
- 6.8 Car Sling shall be Provided with welded or bolted, rolled or formed steel channel construction.
- 6.9 Provide new governor actuated safety properly affixed to underside of car platform.
- 6.10 Provide new platform of isolated type made of steel, which are fireproofed on underside.
- 6.11 Provide sliding guides as guide Shoes, aluminum car sill manufactured with one-piece extrusion
- 6.12 Car Operating Panel with **alarm** button to ring bell located on car and actuate two-way communication systems.
- 6.13 The car enclosures equipment such as shell and canopy shall be of steel with baked enamel interior finish as selected. The suspended ceiling should be of stainless steel hairline finish.
- 6.14 Front Return Panels and Integral Entrance Columns, Transom and Interior Wall Finish: Combination of stainless steel scratch resistant finish, as approved by the Employer

## 7.0 LIFT CONTROL

- The operation shall be Standalone Automatic, with one button in the car for each landing. All stops registered by the momentary pressure of the car buttons shall be made in the order in which the landings are reached after the buttons have been pressed but irrespective of the sequence in which calls were registered.
- Stops registered by the momentary pressure of the buttons at the landings shall be made in the order in which the landings are reached in the down direction of travel after the buttons have been pressed. All UP direction landing calls shall be answered when the car is traveling in the UP direction and all Down direction landing calls shall be answered when the car is traveling in the DOWN direction, except in the case of the terminal floor calls which shall be answered as soon as it is reached.
- Load Non-Stop Option - The landing calls shall be bypassed but not cancelled if the load in the car is approximately 80% of the contract load.

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- Push buttons: Provide 2 no. UP & Down at each floor with flush mounted faceplates. Include pushbuttons for each direction of travel, which illuminate to indicate call registration. Provide any cutting and patching required.
- Car position to be displayed inside car as well as at each floor

## 8.0 SIGNALS

- Position Indicators: Provide Dot Matrix type floor position indicators at each entrance as per Manufacturer's standard specifications, as approved by the Bank.
- Car Position Indicator: Provide inside car Dot Matrix, floor indicators with direction arrows to indicate floor served and direction of car travel. When a car leaves or passes a floor, illuminate indication-representing position of car in lift well.
- Faceplate Material and Finish: Stainless steel in matt finish on all floors.

## 9.0 CAR AND LANDING EQUIPMENT

9.1 Landing equipment, mounted to the side of each door, contained within a flush mounted stainless-steel panel, shall comprise a call illuminated push or on the front wall.

9.2 Car equipment, mounted in a stainless-steel finish, flush panel, shall comprise: -

- > Call pushes, illuminated, for each floor.
- > Car position indicator, illuminated, for each floor, to indicate car position.
- > Alarm push.
- > A door open push to re-open the doors when closing.
- > Door close button.
- > Auto – Attendant Key switch Intercom button

9.3 A digital dot matrix display shall be provided; Character heights shall be 25 mm.

9.4 The Car Operating Panel shall be located within the car wall in accordance with the requirements of the Building Regulations to ensure it is also suitable for use by disabled persons.

9.5 The car panel shall include of the button, which will indicate that it has been pressed. Buttons (Tactile in compliance with Building Regulations) shall be provided for entering floor calls, door open and alarm.

9.6 A position indicator providing a digital display shall be included. The panel shall also include:

- > Emergency Car Lights.
- > Passenger inter-communication units
- > Independent service key switch.
- > Car overloaded indicator.

## 10. CAR & LANDING DOORS.

10.1 The landing doors, at each level, shall be two-hour fire rated, two panel, center opening power operated fully automatic. Doors shall be stainless steel, not less than 18 gauge, and shall be silent in operation.

10.2 All doors shall be fitted with a combined mechanical and electrical interlock.

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- 10.3 The landing door locks shall be configured such that it shall not be possible to open the doors from the landing side, unless the car is at the particular landing level. Nor shall it be possible to start the lift, or keep it in motion, unless all landing doors are closed.
- 10.4 Provision shall be incorporated for opening the landing doors by emergency key, irrespective of car position.
- 10.5 An infrared screen curtain type detector shall be provided (Curtain of light). This shall provide protection across the full width and height of the entrance. Interruption of the curtain beams minimum 150 beams shall cause the doors to reopen. An adjustable timer shall be provided, to adjust the opening and closing time of the car, and of the landing doors.

Entrance Equipment: Provide the following new equipment:

- Door Hangers.
- Door Tracks
- Door Interlocks.
- Door Closers.
- Facia plates wherever necessary should be full length ( i.e from upper sill to top of header )

10.6 LIFT WELL ENTRANCES

Architraves: Retain existing center line Landing doors: Provide as specified

Sills: Provide new sills manufactured of extruded aluminium.

10.7 Building Management System

Vendors to provide potential free contacts on control systems for Fire service, emergency power, floor indications etc.

10.8 Specification for 6 Person Gearless Passenger Lift

Electric Gearless Traction Machine room passenger lift

- |       |                                     |  |
|-------|-------------------------------------|--|
| i)    | Contract load                       | 6 person (408kg)                                 |
| ii)   | Lift speed                          | 0.65 m/s   |
| iii)  | Number of floors served             | G+ 2 floors                                      |
| iv)   | Position of openings                | Single entry or through car configuration        |
| v)    | Door type                           | 700 (w) x 2000 (h),                              |
| vi)   | Control system                      | Standalone                                       |
| vii)  | Lift machine                        | Gearless with integral drive sheave & brake disk |
| viii) | Lift motor                          | 3 phase permanent magnet type                    |
| ix)   | Speed Control                       | Variable frequency with closed loop              |
| x)    | Clear internal lift well dimensions | 1800 mm (W) x 1850 mm (D) (Minimum available)    |
| xi)   | Pit depth                           | 1600m  |
| xi)   | Headroom                            | As per manufacturer's requirement                |
| xii)  | Power supply                        | 415/230V (+/-6%) 3 phase and Neutral 50 Hz       |

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### 10.9 Lift Car Specification

- |      |                     |  |
|------|---------------------|--|
| i)   | Front wall          | Stainless steel in 18 gauge Honeycomb Finish                 |
| ii)  | Side & Rear walls   | Stainless steel in 18 gauge Honeycomb Finish                 |
| iii) | Car operating panel | Stainless steel finish                                       |
| iv)  | Car flooring        | 19 mm Granite flooring                                       |
| v)   | Car ceiling         | Suspended modular panels finished in brushed stainless steel |
| vi)  | Lighting            | 4 nos. LED's of 8 Watt each with diffusers                   |

### 10.10 Other features to be included

- |       |   |   |
|-------|---|---|
| i)    | Ventilation   | Natural, ventilation slots at high & low levels   |
| ii)   | Handrail  | Mirror finish stainless steel to rear wall  |
|       | Car operating panel   | Digital Dot matrix with direction Indicators Micro movement pushes, Door open push, Alarm push, All pushes to have tactile indication Emergency light unit Hands free intercom system to be provided built in COP |
| iii)  | Car door finish   | Stainless steel in 18 gauge Honeycomb Finish with Toughened glass   |
| iv)   | Landing door & surround   | Stainless steel in 18 gauge Honeycomb Finish  |
| v)    | Car and landing entrances   | VF Power operated doors   |
| vi)   | Curtain of light, full height safety edge minimum 150 beams   |   |
| vii)  | Two-hour fire certified entrances at All floors.  |   |
| viii) | Stainless steel landing pushes, with Tactile indication, to be located Within the doorframe or front walls. |   |
| ix)   | Landing aprons and toe guards of full length.   |   |
| x)    | Audible alarm to be located at the main level served.   |   |
| xi)   | Pit ladder  |   |
| xii)  | Sound insulation  |   |
| xiii) | Buffer steel work   |   |
| xiv)  | Tactile pushes to both car and Landing pushes.  |   |
| xv)   | Overload Warning Indicator in car   |   |
| xvi)  | Automatic Rescue Device with batteries  |   |

### 11.0 Additional Features available which add Safety, Security and Passenger Comfort:

- **Safety:**

Safety features protect passengers from experiencing any danger or discomfort due to failures in the elevator or power supply system, or due to external emergencies such as earthquake or fire. Some safety features provide means of communication for passengers in the car during emergency situations.

- Automatic Rescue Device (ARD)

This feature is intended to move automatically the car to the nearest floor when the car has stopped between floors because of a failure of 1 phase or 3 phase power supply. The car emergency operation is performed at low speed and all safety functions are working. The resetting into normal operation is made automatically when the power supply returns. Both battery unit (12V/36 V) and control module are located in the machine room. 3 way intercom shall be provided press/speak inside car, one

instrument machine room and one at lift lobby.

Voice Announcer & Speaker:

This feature within the control panel or at car top enables a computerized voice to inform passengers of floor arrivals and car departures,

To comply with the Building regulations there is a requirement that the lift car should provide both visual and voice indication of the floor reached if it serves more than three floors.

- Nudging Service, shortened time

The doors are closed with limited speed and a buzzer is operated if someone has been standing in between the car doors for a long period of time. The buzzer sound is intended to warn people that they are preventing the doors from closing. The doors are naturally closed in a safe manner: The closing force is limited to a safe level (150N) and the nudging time is shortened depending on how many times this feature is used.

- Quick close from car call

To save passengers time, doors will start to close when a passenger inserts a car call. If any of the door devices (safety ray, curtain of light) detects another passenger entering or exiting, or a passenger pushes the Door Open Button, the door will be re-opened. The Quick Close feature saves time especially if only one passenger enters the car.

- Curtain of light

The Curtain of Light consists of a series of invisible light beams minimum of 150 beams across the car door entrance. The curtain of light detects if there are passengers between the doors and so prevents the doors from closing. The Curtain of Light is used for the same function as the Safety Ray but the Curtain of Light has the advantage of detecting an obstacle in any location between the door opening. (Included as standard)

- False car call canceling

The option is used to cancel car calls if there is nobody entering or leaving the elevator car or if the elevator car is empty. It protects elevator service against abuse, done by for example playing children pushing a lot of car calls and then leaving the car. The detection of false car calls is based on either the load in the car or passengers cutting the safety ray or both.

- The following features should also be included.

- a) Automatic Car Return.
- b) Home Landing.
- c) Current Harmonic Filter.
- d) Failure Auto Diagnose
- e) Intercommunication unit
- f) Reverse Phase Relay
- g) Load Non-Stop
- h) Overload Device (Car)
- i) Re-leveling
- j) Top of car Inspection

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- k) Anti-Nuisance Operation
- l) Automatic Return Device
- m) Attendant Operation
- n) Car Arrival Chime
- o) Emergency Fireman Operation (Automatic Return to Lobby)

#### 12.0 STANDARD: -

- Unless otherwise specified, all materials covered under this specification shall be designed, manufactured, tested and installed in conformity with the latest Indian Standard Specifications. In case such Indian Standard Specifications are not published equivalent British Standard Specifications shall be followed. All equipment shall conform to latest Indian Electricity Rules, PWD and Local/State laws or byelaws as regards to safety, earthing and other essential provisions specified therein.
- All equipment and materials selected shall also be supplied and installed taking into consideration the Factories Act, Fire Regulations and Local laws or byelaws. All light fittings and equipment selected shall be of well tied out design. All materials used in the assembly of fittings and their accessories shall be of high quality and manufactured in accordance with the best modern practice.
- All the materials supplied by the contractor according to the contract conditions will be subject to inspection and approval by the Consultant or/and Engineer-in-charge or their authorized representative from time to time. The contractor shall extend all required facilities for such inspection free of cost. At the time of inspection, the inspecting officer shall have full liberty to reject any such material, which does not conform to specifications or the requirements. The owner shall not entertain any claim for the rejected materials. The contractor shall remove all rejected materials from the site at his own cost.
- The owner shall not accept any surplus material procured by the contractor.
- The contractor will be responsible to get electrical installations inspected by the Electrical Inspector of the State Government and to obtain the statutory clearance for energisation. The owner will reimburse the necessary inspection fees on production of documentary evidences.
- The contractor should possess valid electrical contract license and labour license issued by the appropriate statutory authority of the State Government during the execution of the contract.
- The contractor shall be registered with Provident Fund Department for engagement of Labour / Employees.

#### 13.0 INSPECTION AND APPROVAL

The contractor shall put up samples of all major items for inspection and testing by the Consultant and/or Engineer-in-charge for which the contractor shall furnish minimum 10 days clear notice in advance to enable them to depute their Inspecting Officer. Similar procedure shall be adopted for the approval of samples of minor materials/ accessories to be used for the work.

#### 14.0 PERFORMANCE GUARANTEE

The supplied equipment shall be guaranteed for a trouble-free operation against any bad workmanship; bad quality of material used and/or faulty design for a minimum period of 12 months from the date of commissioning by the owner. The Supplier shall rectify the defects, if any, found during this period and replace all faulty materials free of cost.

#### 15.0 EXECUTION

Bank will provide open storage space in the premises for storage of materials. Locking and responsibility

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of the materials will lie with the tenderer.

## 16.0 FIELD QUALITY CONTROL

Work at jobsite will be checked during course of installation. Full cooperation with reviewing personnel is mandatory. Accomplish corrective work required prior to performing further installation.

- ADJUSTMENTS

Install rails plumb and align vertically. Secure joints without gaps and file any irregularities to a smooth surface. Static balance car to equalise pressure of guide shoes on guide rails. Lubricate all equipment in accordance with manufacturer's instructions. Adjust motors, power conversion units, brakes, controllers, levelling switches, limit switches, stopping switches, door operators, interlocks, and safety devices to achieve required performance levels.

The lift shall be protected as follows.

- (a) Electrically against overload
- (b) By safety gear on car so that in the event of rope breaking or loosening, the car will be brought to rest immediately.
- (c) By car and landing door locks so that in the event of any door kept opened, the lift will not start.
- (d) By speed governor operating on the control circuit and applying the brakes in case of over- speeding of car in any direction.
- (e) By means of over travel limit switches in both downward and upward direction.
- (f) By means of a phase reversal relay.
- (g) By means of a single phasing relay.
- (h) By a device that ensures that the brakes apply as soon as a single phasing occurs or when the drive fails to start for whatever reason.
- (i) By means of suitable type and capacity buffers in the lift pit.
- (j) The car and landing door shall not open when the lift car is not within the levelling zone.
- (k) Any other safety device as per the statutory requirements.

17. Before handing over the lift the following tests shall be conducted on the lift installation. The lift will not be taken over unless all the test results conform to the specifications.

- (a) The lift will be loaded for its full capacity and the following will be tested in both directions of travel.
  - (i) Speed
  - (ii) Levelling at all landing
- (b) The lift
  - (i) Speed
  - (ii) Levelling at all landings
- (c) All protection and safety devices shall be tested for its proper functioning.
- (d) Overload safety– No start and overload annunciation.
- (e) Insulation resistance and earthing continuity testing.

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- (f) Voice annunciation system
- (g) Emergency alarm and two-way communications system
- (h) ARD function test and inverter back up for light and fan/blower.
- (i) Controller function test (Test certificates may be submitted)
- (j) Any other safety device as per the statutory requirements

#### 18. Test Certificates

Test Certificates for Machine, Motor, Buffers, Controller, VF Drive, Hoist Ropes, Governor Rope, governor, travelling cables, and Two (2) hours fire rating for landing doors should be furnished for all elevators.

**TECHNICAL SPECIFICATIONS FOR ANNUAL MAINTENANCE CONTRACT (AMC) FOR GEARLESS  
PASSENGER LIFTS**

1. To maintain the elevator in proper and safe working condition.
2. To regularly examine, lubricate and adjust the equipment and carry out planned maintenance in systematic and controlled manner by employing only qualified, trained and skilled persons.
3. The renew all wire ropes and chains (where fitted) as required to maintain an adequate factor of safety to equalities the tension on all hoisting ropes, repair replace conductor cables and hoist way and machine room elevator wiring.
4. To furnish lubricants as per manufacturers specification.
5. To examine periodically all safety device and governors and make all customary safety tests and to submit a certificate regarding the safety.
6. To systematically examine and adjust the following components: - Machine, Worm, Gear Thrust Bearing, Drive Sheave bearings, break contract, linings and components, Motor generator, Motor Windings, Rotating Element's Commutation, Brushes, Brush Holders Bearings Coil Resistance for operating and motor circuits magnet frames and other mechanical part, Controller, Selector Leveling devices cams relays solid state components eg. PCB;s Transducers, Resistors, Condensers, Power Amplifiers transformers, Contacts, Lads Dashpots, Timing Devices, Steel Selector Tapes and Mechanical and Electrical Driving Equipment, Governor, Sheave, Shaft Assembly, Bearings, Contacts and Governor Jaws Car and Hall Mechanical Buttons, Car and Hall Position Indicators, Hall Lanterns, Car Direction Indicators and all other Car and Landing Signal Fixtures as installed by Manufacturer
7. Deflector or secondary sheave, bearing car and counterweight guide rails and buffers top and bottom limit switches governor tension sheave assembly compensating sheave assembly car counterweight and counterweight guide shoes including rollers and gibes. Interlocks on hoist way door hangers, guides automatic power operated door operator car door contact safety shoe. Load weighing equipment car frame. Car safety mechanism and platform.
8. To maintain the performance characteristics of the equipment as originally designated and installed by manufacturer
9. To maintain a reasonable stock of genuine and original spare parts for replacement so that these are made available at the time of breakdown.
10. The following items of elevator equipment are not included:-
11. Car enclosure, door panels, hung ceilings car gates, light diffusers, LED's, handrails, starters, chokes, mirror, granite flooring, other architectural features, hoist way enclosures, hoist way gates, door frames, doors, external wiring to elevators, hoist way, machine room.

**Terms & Condition:**

1. The material/parts required for maintenance/servicing from time to time shall be arranged by the

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contractor at his own cost and nothing extra shall be paid.

2. The spare parts used for repair/maintenance/servicing of the lifts shall be of original make.
3. The maintenance/servicing of the lifts shall be done as per guidelines of manual of the manufacturer.
4. The contractor shall intimate the name/address/telephone number of his own service representative/service Centre with whom complaint is to be lodged in case of breakdown.
5. All normal/minor complaints shall be attended within 2 hours of lodging complaint however in case of major breakdown, the lifts shall be made operational within 24 hours. However, if the contractor fails to put the lift in operation within 24 hours, then the contractor shall be liable to pay compensation at the rate of double the amount payable per day exceeding 24 hours. The minimum unit for deduction shall be one day even if the time is less than 01 (one) day.
6. The complaints shall be attended on all working days including Saturdays, Sundays, Gazetted Holidays, National Holidays.
7. At the time of attending of the complaint, breakdown, the mechanic of the contractor shall prepare a service report in which he shall clearly mention the fault occurred in the lift, spare part replaced (name of the spare parts) in his report. The report should have name of the mechanic, date and timing of attending the complaint. In case the service report is not signed by the J.E./Supervisor In-charge, the complaints shall be assumed unattended for which recovery shall be made. One copy of the service report will be handed over to the maintenance wing for record.
8. A logbook shall be maintained by the contractor to record the behaviour of the working of these lifts. Every visit/ repair servicing replacement of any damaged part shall be accorded in the Log Book with the name of mechanic, date and time. The logbook will be available in the maintenance department of the hotel.
9. The spare parts used for replacement shall be got checked from the J.E./Supervisor In-charge before their use.
10. All unserviceable/replaced parts shall be taken by the contractor at his own cost conditional tenders are likely to be rejected.

### TECHNICAL PARAMETERS

**TECHNICAL PARAMETERS TO TENDER FOR DESIGN, SUPPLY, INSTALLATION OF 2 Nos. of 6 PASSENGER LIFTS AT STATE BANK INSTITUTE OF LEARNING & DEVELOPMENT, URBAN ESTATE, PHASE-II, PATIALA**

Note: -

Bidders to give item wise confirmation/comment against each parameter. Deviations if any shall be clearly brought out in this Performa.

The final design (interiors) of the passenger lifts shall be to the Consultant / SBI approval, however for the purpose of tendering lift contractor to include finishes as per below. Bidder shall submit copies of their catalogues showing options of false ceiling, handrails, buttons, COP, hall lanterns, indicators.

<b>STATE BANK OF INDIA, STATE BANK INSTITUTE OF LEARNING &amp; DEVELOPMENT, URBAN ESTATE, PHASE-II, PATIALA (Pb)</b>				
<b>Technical Parameters for Lifts</b>				
S.No	Item	Requirements as per Tender	Confirmation (Y/N)	
<b>A)</b>	<b>General Specifications</b>			
<b>a)</b>	<b>General:-</b>	<b>Passenger Lifts</b>		
1.1	Type	<b>Passenger</b>		
1.2	Number of Lifts	02 Nos.		
1.3	Capacity	408 Kgs (6 passengers)		
1.4	Speed	0.65 mps		
1.5	Machine Type	PMSM Gearless		
	No of floors	G + 3 floors		
1.6	Number of Landings	4 on same side		
1.7	Hoist way Size available	1800 mm (W) x 1850 mm (D)		
1.8	Travel	Approx. 10.0 meters <b>(Travel shall be measured by bidders actual as per site and shall be confirmed)</b>		
1.8.1	Overhead in mm	As per requirement of the manufacturer		
1.8.2	Pit Depth in mm	1600 mm		
	<b>Machine Room</b>			
1.09	Control	CLOSED LOOP ACVVVF Yashakawa / Toshiba / L&T / Fuji Or Equivalent As Per Lift Act		
1.10	Operation	Standalone		
	<b>Car</b>			
1.11	Car Cabin / Enclosure & Doors	All Car panels in Stainless Steel Scratch Resistant Hair Line Finish.		

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1.12	Car Ceiling	Stainless Steel False ceiling with Fan/pressure blowers and LED Lights /down lighters of 100 Lux illuminations.		
1.13	Car Floor	Granite flooring of 20mm thick inside car of approved design and quality to be provided and installed by bidder.		
1.14	Car and Landing Doors (WxH)	Landing doors/Car Panel at all floors in Stainless Steel of Hair Line Finish with toughened glass door. Automatic Center opening power operated. Delocking keyhole provision in car door. Car door with 1 hour fire rating and landing door 2 hours fire rating. 700mm x 2100mm.		
1.15	Car Size (WxDxH)	As per manufacturer's requirement		
		Minimum Clear Car height below false ceiling to be 2200 mm.		
1.16	Sill	Aluminium		
1.17	Car Operating Panel	Stainless Steel Hairline finish Car Operating Panel inside car with floor destination buttons along with door open / close, emergency alarm, press and speak type intercom & attendant switch to be provided along with 16 segment LED / Dot Matrix Dynamic Car Direction display & Digital position Indicators. Bidder to provide the catalog		
1.18	Narrow Door frames	Stainless Steel Hairline finish or as approved by Client / Consultant		
<b>B)</b>	<b>PARAMETERS COMMON TO ALL LIFTS</b>			
	<b>Machine</b>			
1.1	Power Supply	3 phase 415V/220V, 50 Hz		
1.2	Acceptable Voltage Fluctuation	+10 to -10%		
1.3	Rate of Acceleration / Deceleration M/s <sup>2</sup>	0.6-1.5		
1.4	Jerk( m/sec <sup>3</sup> )	0.7-1.6		
1.5	Vibrations			
1.5.1	Horizontal Vibration :			
	a(xmaxPtP) & a(ymaxPtP)	Max 20 mg		
	a(xA95) & a(yA95)	Max 15 mg		
1.5.2	Vertical Vibration :			

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	a(xmaxPtP) & a(ymaxPtP)	Max 20 mg		
	a(xA95) & a(yA95)	Max 15 mg		
1.6	Airborne Noise Levels			
1.6.1	Airborne Noise level in Car (ISO 18738:2003) :			
	L(Aeq)	Max 48 dB(A)		
	L(P)	Max 57 dB(A)		
1.6.1	Airborne Noise level at landing door :			
	Door movement noise L(p_door)	Max 52dB(A)		
	Pass by noise L(p_landing)	Max 48dB(A)		
1.6.3	Airborne Noise level in machine room			
	Airborne Noise L (p_mr)	Max 75 dB(A)		
1.7	Stopping Accuracy	± 3 mm to ± 5 mm		
	Leveling Accuracy	± 3 mm to ± 5 mm		
1.8	Door Drive	Direct drive doors with PM motor and closed loop VVVF door control		
1.9	Car panel & Door panel thickness	At least 1.5 mm		
<b>FIXTURES / SIGNALS INSIDE CAR</b>				
<b>Stainless steel Car operating panel with following buttons and indications.</b>				
1.10	Door open / Door Close	Door open and Door Close buttons with Symbol markings. Door hold button for service lifts		
1.11	ARD operation Audio / Visual indication in car	To be provided		
1.12	Emergency Alarm Button	Emergency Alarm button with Bell symbol & the same should be at a distinct distance from the call buttons. Emergency Alarm button to be located along with Door open and Close Buttons at a height of 900±10 mm from floor level. Yellow pictogram to be provided. Alarm sound shall be siren type audible from at least 50 meters from the ground floor landing		
1.13	Auto Light/Fan Cutoff	Ventilation fan ON/OFF switch with auto switch off feature after 120 seconds of Lift at idle condition.		
1.14	Attendant Operation	Two position Key operated Attendant switch for with/without attendant operation		
1.15	Push buttons	LED Illuminated tactile braille buttons of micro motion type corresponding to the floors served. The push buttons to be of robust SS Vandal Resistant type.		
1.16	Intercom & provision for EPABX	Three way Built in Press and speak type with 1 Master and 2 slave units in Car		

		Machine room and Security room. Additionally, wiring provision for connecting Building EPABX with car phone with Rechargeable batteries.		
1.17	Car Display	For Passenger: 16 segment LED/Dot Matrix Car Direction display & Digital position indicators located at a conspicuous height above Car door.		
		Bidder to provide inputs on Car displays as quoted		
1.18	Emergency Light	Emergency light with rechargeable Sealed Maintenance free battery with 30 minute Backup.		
1.19	Emergency Alarm	Alarm with Rechargeable Sealed Maintenance Free batteries rated for 30 minutes.		
1.20	Over load warning	Audio/Visual Overload warning indicator to be provided.		
1.21	Voice Announcement	Floor Position Voice Announcement with background music. Please confirm Tender specs.		
	Landing Indicators			
1.22	Hall Buttons	Hairline Stainless steel faceplate with LED glow micro stroke push tactile Braille buttons.		
		To be located at a conspicuous height as per existing cutouts and layout – No modifications in cutout is desired and existing cutout has to be fully covered with new fixtures and faceplates		
1.23	No. of Risers per Lift	Two landing button with position indicator in all floor		
1.24	Car Chime	Chime on car		
<b>Provision of Handicap Friendly features in Passenger Lifts</b>				
1.26	Hand Rails	SS mirror hand rail on rear side only		
1.27	Braille Marking Buttons on Car operating panel and landing push buttons	All buttons to have braille inscriptions.		
1.29	Voice Announcement	Voice announcement to announce the Floor position		
1.30	Infra red door protection device	Multi beam infrared protection device so as to reverse the closing door in case of slight obstruction in the door way.		
<b>SAFETY FEATURES &amp; OTHER INCLUSIONS</b>				

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1.31	Fire Man Switch	Fire man's switch for all the lifts at Ground floor level. All lifts to have fireman mode - stage 1 and Fire lift to be with stage 1 & 2		
1.32	Door Protection	Multi beam infrared protection device so as to reverse the closing door in case of slight obstruction in the door way.		
1.33	Phase Reversal	Automatic Phase reversal device		
1.34	Over Load Device	Overload non-start and overload protection device.		
1.35	Buffers	Spring buffers		
1.36	Safety Governor	Electro-Mechanical type Safety governors for Car.		
1.37	Safety Instructions	Do's & Don'ts with emergency contact Numbers engraved on a SS Face plate displayed in the car		
1.38	Over travel protection	Terminal and final limit switches to be provided.		
1.39	Controller / Drive / Motor Protection	Trip Device for Over current, Under Voltage and Over voltage than the rated capacity. + 10%		
		• Motor overload / over torque		
		• Instantaneous over current		
		• Ground fault		
		• Under voltage		
		• Over voltage – 3 phase		
		• Output & Input phase loss		
		• Phase reversal		
		• Output short circuit		
		• Over speed		
		• Spikes & Surges		
1.40	ARD (Automatic Rescue Device)	ARD to be provided. (Detailed Literature of Make and working of ARD to be provided separately). ARD should operate for Minimum 03 times without recharging.		
1.41	Fire Rating of doors	Landing doors to have 2-hour fire resistance rating. Car Doors as per requirements of Fire brigade / PWD Dept. regulations to be provided. Certificates to be provided		
1.42	Intercom connection	Car and m/c room connectivity, to be provided and also security cabin at the gate		
1.43	CCTV, Fire Detector, Music, PA - Cable Provision.	Provision of suitable cables along the travelling cable for CCTV, Fire detector & Music inside the car to be provided. PER CLIENTS NEED		

1.44	One car blower	One car blower to be connected thru power supply.(blower specification to be mentioned)		
1.45	Fascia Plates & Sill angles	Full height Fascia Plates and Sill angles to be provided. Apron of min. height 750 mm to be provided at car side.		
1.46	Pit Ladder	MS Pit ladder to be provided and securely fastened inside the pit.		
1.47	No Correction Run	System memory should be retained in the event of power failure or disturbance. Lifts should not go in to correction mode or correction run to the lowest floor / highest floor to update its position & memory.		
1.48	Safe Landing Feature	If a car has stopped between floors due to some equipment malfunction, the controller checks the cause, and if it is considered safe to move the car, the car will move to the nearest floor at low speed and the doors will open.		
1.49	Ascending Car Overspeed Protection Device	To be provided		
1.50	Unintended Car Movement Protection Device	To be provided		
1.51	Earthquake Operation if required under Lift act	Seismic sensors and auto isolation arrangement for safety to be provided.		
		Counterweight derailment device or displacement switches to be provided.		
1.52	Other functions – anti nuisance, car call cancellation, next landing, bye pass, self leveling, door time adjustment, independent operation & return operation	Please confirm inclusion of these features as described in clause 6 of technical specifications.		
1.53	Counter Weights	Metallic /Concrete filler weights to be provided.		
1.54	Major Components Service Life	<ul style="list-style-type: none"> <li>• Ropes / Belts :- 8 years</li> <li>• Over speed governor:- 20 years</li> <li>• Traction machine / motor:- 20 years</li> <li>• Door operator:- 20 years</li> <li>• Safety gear / block :- 20 years</li> <li>• Travelling cables:- 10 years</li> <li>• Inverter Drive:- 20 years</li> <li>• Buffer:- 20 years</li> <li>• Controller &amp; circuits:- 10 years</li> <li>• Contactor / Relays : 10,00,000 operations</li> </ul>		

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1.56	Annual Uptime Guarantee	99.5%		
1.58	Feature List	Standard included & options – to be provided		
1.59	Testing Tools & Tackles for performance / in stage checks with random checks from SBI & its representative	List of tools to be provided at this stage and tools to be made available during in stage/random checks by SBI & its representative		
1.60	Car top / machine room / pit – rotating / moving equipment full guarding ; rope guards ; car top rails provision	To be provided		
1.61	Electrical Safety Switch in case of removable Hand Winding Device	To be Provided		
<b>C)</b>	<b>Associated Civil and structural items</b>			
	<b>All elevators related steel items to be included by the contractor.</b>			
1.75	All Civil works required for installation (like chasing, boring, core cutting etc) of the lifts including any repairs in case of damage to architraves, walls, flooring etc. to restore the same to actual form and finishes.			
<b>D)</b>	<b>Free Comprehensive Maintenance</b>			
1.76	One Years Free Comprehensive Maintenance post successful installation and completion of all lifts in satisfactory operating condition.			
	<p><b>NOTE:</b></p> <ul style="list-style-type: none"> <li><i>The scope of work for the lift vendor shall include design, supply, installation, testing, commissioning &amp; maintenance (as above) of the lifts as per given parameters.</i></li> <li><i>The Bank shall provide ready civil / electrical works like lift well, pit, pedestals, hook/s in top slab, power supply &amp; internal lighting of the lift well with power outlets as required.</i></li> <li><i>Lift vendor shall provide the requirements in detail &amp; in writing / drawing form for the works required to be done by the Civil and Electrical vendors</i></li> </ul>			

Signature of the Bidder with Company Seal

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**Data to be furnished by Bidder**

S.No	ITEM	Quoted Data	Comments by Bidder
<b>A</b>	<b>General</b>	<b>Passenger Lifts #</b>	
1	Lift Capacity	<b>408 Kgs</b>	
2	Max. Passengers (No)/Load	6	
3	Speed (m/s)	0.65	
<b>B</b>	<b>Traction Motor</b>		
1	Type ( Gearless )		
2	Rating (KW)		
3	Voltage (V) - rating		
4	Starting Current under full load		
5	Full Load Running Current		
6	Speed (R.P.M.)		
7	Insulation Class		
8	Max. starting torque (Kgf-m.)		
9	Temperature rise at full Load °C.		
10	Max. starts per hour		
11	Protection class ( IP_ _ )		
12	Feeder cable size requirement in sq.mm		
13	Heat Release data for m/c room equipment		
<b>C</b>	<b>Roping / Belts - Hoist / Governor</b>		
1	Number and Construction for Main hoist ropes		
2	Size of Main hoist ropes		
3	Number and Construction for Governor ropes		
4	Size of Governor ropes		
5	Roping ratio		
6	Factor of safety		
7	Material		
8	Underslung / Overslung arrangement		
<b>D</b>	<b>Car / Cab</b>		
1	Dead weight of car		
2	Counter weight ( kgs )		
3	Counter weight Location (Rear/side)		
4	Illumination in LUX		

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5	Details of car lighting				
6	Details of car ventilation - nos and type of fans				
7	Clear Car Height below false ceiling				
8	Grade of SS car				
<b>E</b>	<b>Drive</b>				
1	Make / Country of origin for V3F module				
<b>F</b>	<b>Buffer</b>				
1	Type				
<b>G</b>	<b>Over speed Governor</b>				
1	Tripping Speed				
2	Type				
3	Safety gear type - instantaneous				
<b>H</b>	<b>Doors</b>				
1	Fire resistance rating of landing door				
2	Fire resistance rating of car door				
3	Door Operator type				
4	Screwless Hall Plate				
5	Grade of SS for car door / landing door with toughened glass.				
<b>I</b>	<b>Brake</b>				
1	Type				
2	Liner material				
<b>J</b>	<b>ARD</b>				
1	Make				
2	No of operations that can take place w/o need for recharging (Minimum 03 required )				
<b>K</b>	<b>Others ( provided / not provided )</b>				
1	Guide type (Guide shoes / Guide Rollers)				
2	Full height Fascia plates				
3	Apron of Min. height 750 mm				

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**PROFORMA FOR HINDRANCE TO WORK**

Name of Work :

Date of Start of work :

Name of Contractor :

Period of Completion :

Agreement No. :

Dt. of Completion of work :

S.No.	Nature of Hindrance	Date of Occurrence of Hindrance	Date of which Hindrance was removed	Period of which Hindrance existed	Signature of Site Engineer	Signature of Bank / Architects Representative
1	2	3	4	5	6	7

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

- i. Name of Contractor / Agency :
- ii. Name of Work :
- iii. Sl.No. of this Bill :
- iv. No. & Date of previous Bill :
- v. Reference to Agreement No. :
- vi. Date of Written order to commence :
- vii. Date of Completion as per Agreement :

S.No.	Item Description	Unit	Rate (Rs.)	As per Tender	
				Quantity	Amount (Rs.)
1	2	3	4	5	

Upto Previous R.A. Bill		Up Date (Gross		Present Bill		Remarks
Quantity	Amount (Rs.)	Quantity	Amount (Rs.)	Quantity	Amount (Rs.)	
6		7		8		9

Note: 1. If part rate is allowed for any items, it should be indicated with reasons for \_\_\_\_\_ allowing such a rate. Net Value since previous

\_\_\_\_\_

bill

2. If ad-hoc payment is made, it should be mentioned specifically.

SIGNATURE OF CONTRACTOR & SEAL OF FIRM

**CERTIFICATE**

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

-----

Signature and date of  
Contractor

-----

Signature and date of  
Architects  
Representative (Seal)

-----

Signature and date  
of Site Engineer

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

-----

Architect

-----

Signature and  
date of Site Engineer

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**MEMORANDUM FOR PAYMENT**

R/A BILL NO.

1.	Total value of work done since previous bill (A)	Rs. -----
2.	Total amount of secured advance due since Previous Bill (B)	Rs. -----
3.	Total amount due since Previous Bill (C) (A+B)	Rs. -----
4.	PVA on account of declaration in price of Steel, Cement and other materials and labour as detailed in separate statements enclosed.	Rs. -----
5.	Total amount due to the Contractor	Rs. -----

**OBJECTIONS:**

i)	Secured Advance paid in the previous	Rs. -----	R/A
ii)	Retention money on value of works as upto date amount Rs.	Rs. -----	per accepted tenders
	Less already recovered	Rs. -----	
	Balance to be recovered	Rs. -----	
iii)	Mobilization Advance, if any		
(a)	Outstanding amount (principal + interest) as on date	Rs. -----	
(b)	To be recovered in this bill	Rs. -----	
iii.	Any other Departmental materials cost to be recovered as per contract, if any	Rs. -----	
iv.	Any other Departmental service charges to be recovered if any, as per contract (water, power etc.) enclose statement.	Rs. -----	
	Total Deduction as per contract (F)	Rs. -----	

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Adjustments, if any ----- Rs. ----- Amount less received by Contractor in  
----- R/A Bill (as per statement of  
Contractor)

P.V.A. Rs. -----

Total amount payable as per contract Rs. -----  
(E+F+G)

(Rupees ----- in  
words)

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

Date: -----

-----

Signature of Architect  
with Seal

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

Date : -----

Signature of Owners  
Engineer

**STATUTORY DEDUCTION:**

i) Total Amount due (E) Rs. -----

ii) Less I.T. Payable Rs. -----

iii) Less S.T. Payable Rs. -----

Net Payable Rs. -----

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

Date: -----

-----

Signature of the Competent Officer

SIGNATURE OF CONTRACTOR & SEAL OF FIRM