



SBI INFRA MANAGEMENT SOLUTIONS PVT. LTD.

(A Wholly Owned Subsidiary of SBI)

CIRCLE OFFICE

SBI Local Head Office, 4th Floor, III/1 Pandit Jawaharlal Nehru Marg, Bhubaneswar- 751001

Part – I

(Technical Bid)

SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF 15 PASSENGER (1020Kg) LIFT

AT S.B.I, MAIN BRANCH BUILDING, JHARSUGUDA

Tender reference No: **SBIIMS/BHU/ELECT./2018-19/42**

TENDER SUBMITTED BY:

NAME :

GSTIN NO :

DATE :

SBI Infra Management Solutions Pvt. Ltd. (hereinafter mentioned SBIIMS), SBI Local Head Office, 4th Floor, III/1 Pandit Jawaharlal Nehru Marg, Bhubaneswar- 01 on behalf of SBI Invites E- Tenders for supply, installation ,testing & commissioning of 15 Passenger(1020Kg) lift at SBI , Main Branch Building, Jharsuguda **from CPWD approved A category lift manufacturers.**

1.	Name of Work and location of work	supply, installation ,testing & commissioning of 15 passenger (1020kg) lift at SBI Main Brach Building, Jharsuguda.
2	Eligibility of criteria	CPWD approved Category –“A” Lift Manufacturers/ Manufacturer's Authorised Agency (vendor should submit the proof as 'A' category empanelled lift manufacturer under CPWD)
3	Estimated Cost	Rs.13,99,000.00 (Rupees Thirteen Lakh Ninty Nine thousand Only)
4	Cost of Tender processing fee	Rs. 2500/- (Rupees Two Thousand five hundred Only) (Non-Refundable) in the form of Banker's Cheque / Demand Draft Issued by Any Nationalized /Scheduled Bank Favouring “ SBI Infra Management Solutions Pvt. Ltd. ” Payable at Bhubaneswar, ” which is to be submitted along with the Technical Bid in a separate envelope super scribing “Tender processing Fees”. Without Tender processing fee Tender will be rejected.
5	Earnest Money Deposit (EMD)	Rs 14000/- (Forteen thousand) in the Form of Demand Draft/Banker's Cheque issued by any Nationalized /Scheduled Bank Drawn in favour of “ AGM (P&E) SBI LHO Bhubaneswar ” Payable at Bhubaneswar, ” which is to be submitted along with the Technical Bid in a separate envelope super scribing “EMD”. Without EMD Tender will be rejected. <u>EMD shall be converted into Retention Money for successful Contractor, whose tender is accepted.</u>
6	Availability of Tender document.	01.12.18 to 14.12.2018 from Bank's website www.sbi.co.in <Link> Procurement News and/ or www.tenderwizard.com/SBIETENDER
7	Initial Security Deposit (ISD)	2% of awarded value of work including EMD
8	Retention Money	5 % (Including EMD+ISD)
9	Pre-Bid Meeting	On Dt. 12.12.2018, 11:30 AM at our office. (Only written queries submitted by the bidders in pre bid meeting shall be discussed and clarified in the meeting)
10	Last date, time and place for submission of Technical Bid	The signed and stamped copy of Technical bid along with all required documents, EMD and tender processing fee to be submitted on line at service provider's portal www.tenderwizard.com /SBIETENDER on or before Dt.14.12.2018 up to 2:00 PM. DD for EMD and Tender processing fee in sealed envelope should reach to

		<p>us on or before Dt.14.12.2018 up to 2:00 PM.</p> <p>SBI Infra Management Solutions Pvt. Ltd.</p> <p>Circle Office, SBI Local Head Office, 4Th Floor, III/1 Pandit Jawaharlal Nehru Marg, Bhubaneswar- 751001 <u>Tenders received without any one or more document mentioned above shall be rejected.</u></p>
	Last date, time and place for submission of price Bid (part - 2)	<p>The price bid to be submitted on line on www.tenderwizard.com /SBIETENDER web site and it should be submitted on or before Dt.14.12.2018 up to 2.00 PM.</p> <p>E-tendering/ e reverse auction guidelines may be obtained from:</p> <p>M/s Antares System Limited</p> <p>Shri Babupriyabrata,</p> <p>#24,3rd stage 4th block,</p> <p>Basaveswarnagar,</p> <p>Banglore-560079</p> <p>Telephone no: 8249111837, 7686913157</p> <p>Email ID:babupriyabrata@antaressystems.com;</p> <p>kushal.b@antaressystems.com</p>
	Date, Time and Place of opening of Sealed Technical Bid	<p>Technical bid (Part-1) at our Office: At 3.00 PM on Dt. 14.12.2018.</p> <p>Circle Office, SBI Local Head Office, 4th Floor, III/1 Pandit Jawaharlal Nehru Marg, Bhubaneswar- 751001.</p> <p>Authorized representatives of vendors may be present during opening of the Technical Bids. However, Technical Bids would be opened even in the absence of any or all of the vendor representatives.</p>
11	Date, Time and Place of opening of Sealed price Bid(part -2)	On line price bid of only technically qualified bidder shall be opened at our office on Dt.14.12.2018 up to 4.00 PM. At service provider portal
13	Validity for Offer	3 (Three) Months from The Date of Opening of Price-Bid
14	Commencement of Work.	7th Day from the date of receiving of Work Order.
15	Time for completion of	120 days from date of Commencement.

	work.	
16	Deduction of income tax and GST	<p>A) Income Tax will be deducted at source as per Govt. Guidelines.</p> <p>B) Reimbursement of GST will be made only on submission of proper GST invoice as per applicable GST provision. The contractor should comply with the following;</p> <ol style="list-style-type: none"> 1. Contractor should have GST Registration Number 2. Invoice should specifically/separately disclose the amount of GST levied at applicable rate as per GST provision 3. In case of Correction in the bills after scrutiny, contractor should submit fresh bills for payment 4. Contractor should timely file his GST return in accordance with GST provisions to enable the bank to claim the credit of GST paid to the contractor 5. The GST Number of State Bank of India for Bhubaneswar is 21AAACS8577K1Z1
17	Terms and Mode of payment	<p>i) Stage-(i): 70% of the contract value against all lift materials delivered at site after inspection by the Engineer/ User deptt., and on production of original invoices.</p> <p>Stage-(ii): 20% of the contract value after successful completion of installation & commissioning.</p> <p>Stage-(iii): 5% of contract value after successful, Trial runs, testing and handing over & Training the SBI staff and complying to the technical observations of the Competent State Licensing /inspecting authority , submission of safety certificate etc</p> <p><u>Other Issues</u></p> <p>ii) Payment shall be made by way of Electronic fund transfer and the bill will be paid by the SBI. Firm should furnish details of the bank, A/c no, IFSC code</p>
18	Liquidated Damages for Delay	If the bidder is not able to complete the work 30 days from date of issue of work order, 0.5 % Per week subject to total amount of 5% of Contract Value.
19	Defects Liability Period	12 Months (Twelve months)
20	Contact Person, Phone No of officials	Contact Shri. M.K.Sahoo (9848889133) / Shri T. Behera (9867991919) (or E-mail Id: headbhu.sbiims@sbi.co.in)

- 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.
- The contractor shall sign and stamp each page of the tender document thereby ensuring the number and sequence of all pages.
- The bidder, who is the authorized representative and participating on behalf of company/ Dealer/vendor, should have a valid digital signature certificate (DSC) for this e-tender. The validity of the DSC should be at least 3 months.
- The signed copies of technical Bid documents, tender fees, authorization Letter, Technical Specification sheet and EMD should be submitted in sealed envelope, failing which tender summarily rejected.
- Those bidders who are qualified in technical bid, should submitted their price bid online within timeline, failing which tender summarily rejected.
- Payments towards the above work shall be made by SBI.
- SBIIMS reserves the right to increase or decrease the quantum of services, manpower to be provided and also reserves the right to reject, cancel or revise or accept any or all the tenders or part of tenders without giving any reasons thereto.
- SBIIMS reserves its rights to accept/reject any/all tender without assigning any reasons whatsoever and to increase or decrease the quantities of any item and contractor has to execute the same at the rate quoted and no correspondence shall be entertained in this regard.
- The contractor shall sign and stamp each page of the tender document thereby ensuring the number and sequence of all pages.
- Conditional tenders are liable for rejection.

(AVP & Circle Head)

SBIIMS, Bhubaneswar

BUSINESS RULES FOR ONLINE TENDER GENERAL TERMS AND CONDITIONS OF ON LINE TENDER

1. For the proposed online bidding, CPWD approved Category –“A” Lift Manufacturers will participate for the said purpose who fulfill all terms and conditions including deposit of earnest money and tender processing fee only shall be eligible to participate.
2. SBIIMS/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.
3. SBIIMS/SBI will inform the vendor in writing in case of online bidding, the details of service provider to enable them to contact and get trained.
4. Business rules like event date, time, start price, bid decrement, extensions, etc. also will be communicated through service provider for compliance. 5. Vendors have to fax the compliance form in the prescribed format (provided by service provider) before start of online bidding. Without this the vendor will not be eligible to participate in the event.
6. Opening of online bids will be conducted on schedule date & time.
7. At the end of online bidding event, the lowest bidder value will be known on the network.
8. The lowest bidder has to fax the duly signed filled-in prescribed format as provided on case-to case basis to SBIIMS/SBI through service provider within 24 hours of completion of tender without fail.
9. Any variation between the on-line bid value and signed document will be considered as sabotaging the tender process and will invite disqualification of vender to conduct business with SBIIMS/SBI as per prevailing procedure .
10. In case SBIIMS/SBI decides not to go for online bidding on procedure for this tender enquiry, the price bids and price impacts, if any already submitted and available with SBIIMS/SBI shall be opened as per SBI standard practice.
11. Business Rule for finalization of the Tender

SBIIMS/SBI shall finalize the tendering process of the item through online bidding mode. SBIIMS/SBI has made arrangement with **M/s Antares System Limited , Bangalore (ASL)** who shall be SBIIMS/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 Online tendering shall be conducted by SBIIMS/SBI, on pre-specified date, while the vendors shall be quoting from their own offices/ place of their choice. Internet connectivity and other paraphernalia requirements shall have to be ensured by vendors themselves. In the event of failure of their Internet connectivity, (due to any reason whatsoever it may be) it is the bidders responsibility /

decision to send fax communication, immediately to **ASL** furnishing the price, the bidder wants to bid online, with a request to **ASL** to upload the faxed price on line so that the service provider will up load that price on line on behalf of the Bidder. It shall be noted clearly that the concerned bidder communicating this price to service provider has to solely ensure that the fax message is received by **ASL** in a readable / legible form and also the Bidder should simultaneously check up with **ASL** over phone about the clear receipt of the price faxed. It shall also be clearly understood that the bidder shall be at liberty to send such fax communications of prices to be up loaded by **ASL** only before the closure of Bid time and under no circumstances it shall be allowed beyond the closure of bid time. Such bidders have to ensure that the service provider is given a reasonable required time by the bidders, to upload such faxed prices online and if such required time is not available at the disposal of **ASL** at the time of receipt of the fax message from the bidders, ASL will not be uploading the prices. It is to be noted that either SBIIMS/SBI or **ASL** are not responsible for these unforeseen circumstances. In order to ward-off such contingent situation, bidders are requested to make all the necessary arrangements / alternatives whatever required so that they are able to circumvent such situation and still be able to participate in the online bidding successfully. However, the vendors are requested not to wait till the last moment to quote their bids to avoid any such complex situations.

2. **ASL** shall arrange to train your nominated person(s), without any cost to you. They shall also explain you, all the Rules related to the Tendering/ Business Rules Document to be adopted along with bid manual. 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 Rupees (INR) per -one- (Unit) of the items.

4. **BID PRICE:** The Bidder has to quote the Total cost to SBI of the items specified inclusive of all taxes, duties, freight, service tax, overhead, contractor's profit etc excluding GST.

5. **VALIDITY OF BIDS:** The Bid price shall be firm for a period of three calendar months from the date of acceptance of tender which may be extended for a further period subject to mutual agreement.

6. The bidder has to provide a detail break up for his commercial offer in the prescribed format as given by the Bank.

7. 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 execute the work as per the rates quoted, the earnest money deposited by you with us in this regard shall be forfeited without further reference to you.

8. You shall be assigned a Unique User Name & Password by **ASL**. You are advised to change the Password after the receipt of initial Password from ASL to ensure confidentiality. All bids made from the Login ID given to you will be deemed to have been made by your company.

9. At the end of the online Tendering process, SBIIMS/SBI will decide upon the winner. SBIIMS/SBI's decision on award of Contract shall be final and binding on all the Bidders.

10. SBIIMS/SBI shall be at liberty to cancel the tender at any time, before ordering, without assigning any reason.

11. SBIIMS/SBI shall not have any liability to bidders for any interruption or delay in access to the site irrespective of the cause.

Signature of the Contractor

12. Other terms and conditions shall be as per your techno-commercial offers and other correspondences till date.

13. You are required to submit your acceptance to the terms / conditions / modality given above before participating in the online bidding.

14. Successful bidder shall enter into a contract with the bank to carry out the work as per Bank's standard format.

15. 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 **ASL** can decide to extend, reschedule or cancel any tender. Any changes made by SBI and / or ASL, after the first posting will have to be accepted if the Bidder continues to access the site after that time. - **ASL** shall not have any liability to Bidders for any interruption or delay in access to the site irrespective of the cause. - **ASL** is not responsible for any damages, including consequential damages, including but not limited to systems problems, inability to use the system, loss of electronic information etc.

N.B. - All the bidders are requested to ensure that they have a valid digital certificate well in advance to participate in the online event - All the Bidders are required to submit the Agreement Form (Annexure-I) duly signed to **M/s Antares System Limited, Bangalore** before due date. - After the completion of the tender event, all the Bidders have to submit the Price Breakup immediately to **M/s Antares System Limited, Bangalore** for further proceedings.

ANNEXURE -2

PROCESS COMPLIANCE STATEMENT

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

M/s. Antares Systems Limited,
24, 3rd Stage, 4th Block,
Basaveshwara Nagar, Bangalore- 560 079.
Tel: 080-4935 2000. Mobile no. 7980042472
Email: babupriyabrata@antaressystems.com
kushal.b@antaressystems.com

AGREEMENT TO THE PROCESS RELATED TERMS AND CONDITIONS FOR THE ONLINE E-TENDERING FOLLOWED BY E-REVERSE AUCTION FOR DESIGN,SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF 15 PASSANGER (1020Kg) LIFT AT SBI Main Branch Building, Jharsuguda.

Dear Sir,

This has reference to the Terms & Conditions for the E-tendering mentioned in the Tender document
This letter is to confirm that:

- 1) The undersigned is authorized representative of the company.
- 2) We have studied the Commercial Terms and the Business rules governing the E-tendering and E-reverse auction as mentioned in RFP of SBIIMS as well as this document and confirm our agreement to them.
- 3) We also confirm that we have taken the training on the E-tendering and E-reverse auction tool and have understood the functionality of the same thoroughly.
- 4) We confirm that SBIIMS and Antares Systems Limited shall not be liable & responsible in any manner whatsoever for my/our failure to access & bid on the E-tendering and E-reverse 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 E-tendering and E-reverse auction event.
- 5) We also confirm that we have a valid digital signature certificate issued by a valid Certifying Authority.

We also confirm that we will mail the price confirmation & break up of our quoted price as per Annexure III & Annexure IV **within 24 hour of the completion of the e-tendering** and the format as requested by SBIIMS / M/s. Antares Systems Limited.

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

With regards,

Date:

Signature with company seal

Name:

Company / Organization:

Signature of the Contractor

Designation within Company / Organization:

Address of Company / Organization:

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

ANNEXURE- III

(E) PRICE CONFIRMATION LETTER

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

M/s. Antares Systems Limited,
24, 3rd Stage, 4th Block,
Basaveshwaranagar, Bangalore- 560 079.
Tel: 080-4935 2000. Mobile no. 7980042472
Email: babupriyabrata@antaressystems.com
kushal.b@antaressystems.com

AGREEMENT TO THE PROCESS RELATED TERMS AND CONDITIONS FOR THE ONLINE E-TENDERING FOLLOWED BY E-REVERSE AUCTION FOR DESIGN,SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF 15 PASSENGER (1020kg) LIFT AT SBI MAIN BRANCH, JHARSUGUDA.

E-tendering/E-Reverse Auction Date:

Dear Sir,

We confirm that we have quoted.

------(Rs.-----)

Thanking you and looking forward to the valuable order from SBIIMS.ON BEHALF OF SBI.

Yours sincerely,

For _____

Name:

Company:

Date:

Seal:

ANNEXURE- IV

(F) PRICE BREAK UP

Price Break up

Signature of the Contractor

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As per tender document

(G) Contact Information:

M/s. Antares Systems Limited,	SBI Infra Management Solutions Pvt. Ltd.,
M/s. Antares Systems Limited, # 24, 3 rd Stage, 4 th Block, Basaveshwaranagar, Bangalore- 560 079. Tel: 080-4935 2000. Mobile no. 7980042472 Email: babupriyabrata@antaressystems.com kushal.b@antaressystems.com	The Head,Circle office, SBI Infra Management Solutions, 4th Floor, Local Head Office , State Bank Of India Bhubaneswar.

ARTICLES OF AGREEMENT

(On non-judicial Stamp Paper of Rs. 200/-)

This AGREEMENT is made at on this day of between SBI, a body Corporate created under SBI Act 1955, having its Corporate Centre at State Bank Bhavan, Madame Cama Road, Mumbai 400 021 and one of the circle office at SBI Local Head Office, III/1 Pandit Jawaharlal Nehru Marg, Bhubaneswar- 01 represented by authorized officer of SBI. (hereinafter called “the Employer”) on the one part and M/s _____ (proprietorship/partnership firm/Company), incorporated under the provisions of the Companies Act and having its registered office at _____ (hereinafter called “the Vendor”) represented by Shri who is authorized to enter this agreement by its Board of Directors on the other part.

AND WHEREAS the Employer has intention of engaging an empanelled electrical Contractor under SBI, LHO, Bhubaneswar for DESIGN, SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF 15 PASSANGER (1020Kg) LIFT AT SBI Main Branch, Jharsuguda.

AND WHEREAS the Employer had called for tenders from empanelled vendors for the proposed work as indicated in the scope of work and other documents attached to the tender.

AND WHEREAS the Vendor and others submitted the tenders and the Employer has awarded the contract relating to ‘design, supply, installation ,testing & commissioning of 1000kg goods cum passenger lift at SBI Branch, Jharsuguda’ as stated in the scope of work attached to the Tender Document to the Vendor.

AND WHEREAS both the parties to this agreement are desirous of recording the terms and conditions upon which the said services are to be rendered by the Vendor.

NOW IT IS HEREBY AGREED AS FOLLOWS:

- 1) In consideration of the said Contract Amount to be paid at the times and in the manner set forth in the said Conditions, the Contractor shall upon and subject to the said Conditions execute and

Signature of the Contractor

complete the work shown upon the said Drawings and described in the said Specifications and the priced Schedule of Quantities.

- 2) The SBI(Employer) shall pay to the Contractor the said Contract Amount, or such other sum as shall become payable, at the times and in the manner specified in the said
- 3) The term "the Architects / Consultants" in the said Conditions shall mean the said _____, or in the event of their ceasing to be the Architects for the purpose of this Contract for whatever reason, such other person or persons as shall be nominated for that purpose by SBIIMS , not being a person to whom the Contractor shall object for reasons considered to be sufficient by SBIIMS , provided always that no person or persons subsequently appointed to be Architects under this Contract shall be entitled to disregard or overrule any previous decisions or approval or direction given or expressed in writing by the outgoing Architects / Consultants for the time being.
- 4) The said Conditions and Appendix thereto shall be read and construed as forming part of this Agreement, and the parties hereto shall respectively abide by submit themselves to the said Conditions and perform the Agreements on their part respectively in the said Conditions contained.
- 5) The Plans, Agreements and Documents mentioned herein shall form the basis of this Contract.
- 6) This Contract is neither a fixed lump-sum contract nor a piece work contract but a contract to carry out the work in respect of the entire project to be paid for according to actual measured quantities at the rates contained in the Schedule of Quantities and Rates or as provided in the said Conditions.
- 7) The Contractor shall afford every reasonable facility for the carrying out of all works relating to installation of elevators and elevator related ancillary works in the manner laid down in the said Conditions, and shall make good any damages done to walls, floors, etc. after the completion of his work.
- 8) SBIIMS reserves to itself the right of altering the drawings and nature of the work by adding to or omitting any items of work or having portions of the same carried out without prejudice to this Contract.
- 9) Time shall be considered the essence of this Contract and the Contractor hereby agrees to commence the work soon after the site is handed over to him or from 15th day after the date of issue of formal work order as provided for in the said Conditions whichever is later and to **complete the entire work 120 days** as applicable to each location subject to nevertheless to the provisions for extension of time.
- 10) All payments shall be made by SBI under this Contract.
- 11) All disputes arising out of or in any way connected with this Agreement shall be deemed to have arisen at Bhubaneswar and only the Courts in Bhubaneswar shall have jurisdiction to determine the same.
- 12) That the several parts of this Contract have been read by the Contractor and fully understood by the Contractor.

IN WITNESS WHEREOF SBIIMS and the Contractor have set their respective hands to these presents and two duplicates hereof the day and year first hereinabove written.

SIGNATURE CLAUSE

SIGNED AND DELIVERED by the
_____ by the
(SBIIMS)

hand of Shri _____

(Name and Designation)

(Signature)

in the presence of :

1) Shri / Smt. _____
Address _____

(Signature of Witness)

(Witness)

SIGNED AND DELIVERED
by the Contractor

(Signature of Contractors)
in the presence of :

1) Shri / Smt. _____
Address _____

(Signature of Witness)

(Witness)

GENERAL CONDITIONS OF CONTRACT

- 1) Submission of BIDs/Tender Documents: Sealed price bid should be submitted online in the website www.tenderwizard.com/SBIETENDER
- 2) The signed and stamped copy of Technical bid along with all required documents will be submitted on line in service provider portal. EMD and Tender processing fee in sealed envelope should reach at the office of the Circle Head ,SBIIMS, State Bank of India, 4th Floor, Local Head Office Building, Bhubaneswar EMD shall be in favour of “ AGM (P&E) ,SBI,LHO Bhubaneswar on or before **Dt.14.12.2018 up to 02:00 PM.** The tender will be rejected if the tenderer fails to submit the above documents
- 3) Contract documents consist of detailed plans, technical specification, schedule of quantities of the various classes of work to be done, and the set of 'conditions of contract' to be compiled with by the person whose tender may be accepted. The documents are available in the website [www.tenderwizard.com/ SBIETENDER](http://www.tenderwizard.com/SBIETENDER)
- 4) Completion of work: :i) The work shall be considered as complete only when the certificate of virtual completion is issued by the architects/Bank. ii) The 'defects liability period' as prescribed in the contract shall commence only from date of such virtual completion.iii) Any defect that may appear within the defects liability period shall be rectified by the contractor within reasonable time on receipt of necessary instructions from Bank to that effect.
- 5) All compensation or other sums of money payable by the Contractor to Clients under the terms of this contract may be deducted from the security deposit, or from any sum that may be or may become due to the Contractor on any account whatsoever and in the event of the Security Deposit being reduced by reasons of any such deductions, the Contractor shall within 7 days of being asked to do make good in by DD any sum which have been deducted from his security deposit.
- 6) Tender containing any condition leading to unknown / indefinite liability, are liable to be summarily rejected.
- 7) Canvassing in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
- 8) The tenderer should quote their (own) rates for undertaking the work.
- 9) Tenders for works shall remain open for acceptance for a period of 90 days from the last date of tenders. If the tenderer withdraws his tender before the expiry of the said period or makes any modifications in terms and condition of the tender which are not acceptable to the Bank, then the bank without prejudice to any other right or remedy is at liberty to forfeit the earnest money.
- 10) The successful tenderer, after the work is awarded, he will have to enter into an agreement with the State Bank Of India
- 11) The tenderer should visit the site to ascertain the working conditions and local authority regulations / restrictions if any and other information required for the proper execution of the work.
- 12) The work may be carried out on any floor level as per site condition. Please note that materials and machines are required to be carried on head load and the same must be accounted in the costing. Please note that no separate cost shall be allowed for head load.
- 13) The quantities of various items given in the schedule of quantities are approximate. The quantities of work may vary at time of allotment / execution of work. Bank reserves the right to omit / delete any item(s) of work from the schedule at the time of allotment / before. Contractor will be paid for the actual work done at the site duly verified by the concerned official of the bank.

- 14) The unit price shall be deemed to be fixed price. In case of extra items, a record of labour charges paid shall be maintained and shall be presented regularly to the Employer's for checking. The settlement will be made based on figures arrived at jointly and taking unit price given in the contract assigned to the successful Tenderer. In case of extra items where similar or comparable items are quoted in the tender, extra rates shall be based on tender rates.
- 15) The contractor shall submit the bar chart/ CPM/ PERT as well as shall submit the insurance cover for the work in the form of CAR policy and Third Party Insurance within seven (7) days from the acceptance of work order.
- 16) The work has to be started within 7 (Seven) Days from the date of receipt of work order/ mark out at site; whichever is later. In case of work not being started within this stipulated period, the bank reserves the right to cancel the work order duly forfeiting the Earnest money deposit
- 17) No employee of the Bank is allowed to work as a contractor for a period of 2 years of his/her retirement from Bank Services without previous permission of the Bank. This contract is liable to be cancelled, if either the contractor or any of his employees is any time to be such a person who had not obtained the permission of Bank as aforesaid before submission of the tender or engagement in the contractor's service.
- 18) Contractor should get approval of the samples of materials in advance with Bank's Engineer before use of the same in the work'
- 19) Bank has the right to offer the contractor to modify the old material wherever/ whenever necessary instead of new supplies
- 20) The quoted rate should be inclusive of materials, labour, wages, fixtures, transportation, installation, all taxes(excluding GST), wastages, Octroi, machinery, temporary works such as scaffolding, cleaning, overheads, profit, statutory expenses, incidental charges and all related expenses to complete the work
- 21) The tenders shall be summarily rejected, if any one of the above said requirements has not been complied with.
- 22) The Bank will not be bound to accept the lowest tender and reserves the right to accept or reject any or all the tenders without assigning any reason whatsoever
- 23) The contractor should fulfill the labour regulation guidelines stipulated by the governments.
- 24) No advance payment in any form will be granted for the works proposed
- 25) Period of taking up the final bill will be one month from/ after satisfactory virtual completion or the date of submission of the final bill whichever is later.
- 26) The Contractor should obtain permission for work from the competent authority of the Bank before start of the work and also ensure that normal functioning of the Bank should not be disturbed.
- 27) Any damage caused to the premises during execution of the work shall be recovered from the contractor bill.
- 28) 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 and place.

- 29) Please refer tender documents for details on contents of this NIT. Tenderers are requested to go through the additional conditions with due care as the same are stipulated particularly for this project.
- 30) If Bidders feels, they may visit to the site to understand the site conditions before submitting their tender.
- 31) SBIIMS PVT.LTD. reserves the right to accept any or reject all the tenders without assigning any reasons for doing so.
- 32) The tenderer must obtain for himself, on his own responsibility and at his own expenses, all the information which may be necessary for the purpose of filling this tender and for entering into a contract for the execution of the same and must examine the drawings and inspect the site of the work and acquaint himself with all local conditions and matters pertaining thereto.
- 33) Each page of the tender documents is required to be signed by the person or persons authorized by the company with seal & date.
- i. TOTAL SECURITY DEPOSIT shall comprise of:
 - ii. Earnest Money deposit
 - iii. Initial Security deposit
 - iv. Earnest Money Deposit, which amount shall be forfeited as liquidated damages, in the event of any evasive/direct refusal or delay in starting the work and or signing the contract. The deposit of the unsuccessful tenderers will be returned, without interest, immediately after a decision is taken regarding the award of the contract. The Earnest money of the successful tenderer will be adjusted towards Security Deposit.
- 34) The successful tenderer will have to pay further sum equivalent to 2% of his contract value, less EMD already paid, as Initial Security Deposit (ISD) by means of a D.D./Banker's cheque in favour of Asst. General Manager (Premises & Estate), Local Head Office, State Bank Of India, Bhubaneswar within 14 days from the date of issue of work order to commence work. The EMD and Security deposit shall be held by the State Bank of India as Security deposit, for due execution and fulfillment of the contract, till the completion of the work and defect liability period in all respects and shall not bear any interest.
- 35) Within 15 days of the receipt of intimation from the Bank of the acceptance of his/their tender, the successful tenderer shall be bound to sign an agreement, on a stamp paper at his cost.
- 36) The contractor shall arrange for the procurement and delivery of all the materials at site as required and directed, and store them at temporary storeroom at their own cost, at the site of construction.
- 37) If the contractor fails to complete the work within stipulated time period, the contractor will have to pay liquidated damages at the rate of 0.5% of contract amount for each week of delay subject to maximum of 5% of the contract value.
- 38) **Retention Money and Release of security deposit:**
5% of the contract value (including EMD and ISD) will be released after completion of defect liability period. But the same amount will be released after third stage, up on submission of BG for an equivalent of 5 % contract value valid for 1 year.

39) Rights of the State Bank Authorities :

- i). The State Bank Authorities reserves the right to reject any or all of the tenders without assigning any reasons, whatsoever.
- (ii). In the event of any dispute regarding any of the tender conditions, the decision of the SBIIMS/Bank authorities shall be final.

40) **Interpretation:**

(i) Contractor's Risks:

All risks of loss of or damage to physical property and of personnel injury and death, which arise during and in consequence of the performance of the Contract are the responsibility of the Contractor.

(ii) Insurance:

The Contractor shall provide CAR Policy in the joint names of the State Bank of India and the contractor, insurance cover from the Start Date to the end of the Defects Liability Period i.e., 12 months after completion for the following events which are due to the Contractor's risks.

- a) loss of or damage to the Works, Plant and Materials;
- b) loss of or damage to the Equipment;
- c) loss of or damage of property in connection with the Contract; and
- d) Personal injury or death of persons employed for the work/ construction.

Policies and certificates of insurance shall be delivered by the Contractor to the Bank at the time of concluding Agreement. All such insurance shall provide for compensation to be payable to rectify the loss or damage incurred.

e) The contractor shall furnish insurance policy in force in accordance with proposal furnished in the Tender and approved by the Department for concluding the agreement.

f) In case of failure to act in the above said manner the department will pay the premium and the same will be recovered from the Contractors payments. Alterations to the terms of insurance shall not be made without the approval of the Engineer-in-Charge.

(iii) Site Inspections:

The contractor should inspect the site, lift shaft and lift pit etc and quote the rates including cost and conveyance of all materials and machinery and all other charges etc.

(iv) Contractor to Construct the lift works:

The Contractor shall construct and Commission the Work in accordance with the specifications.

(v) The works to be Completed by the Intended Completion Date:

The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the program submitted by the Contractor, as updated with the approval of the Bank, and complete the work by the Intended Completion Date.

(vi) Safety:

The Contractor shall be responsible for the safety of all activities on the Site and provide necessary safety Belts and Safety Shoes and uniform for their Technicians & Workers.

(vii) Instructions:

The Contractor shall carry out all instructions of the Bank and comply with all the applicable local laws where the site is located.

41) **Bills claim:**

For claiming payments, the following documents are to be submitted to the paying authority:

- i) Excise gate pass/invoice or equivalent document
- ii) Delivery Challan and packing list.
- iii) Consignee receipt
- iv) Proof of payment of octroi/ entry pass etc., if any.

42) **Taxes, Duties & Levies :**

The Contractor / Agency shall be fully responsible and liable for the payment of all taxes etc., on

all materials and accessories that you may provide for this work and shall ensure such payments in time. Employer (SBIIMS)/Bank shall not be responsible for payment of any such Taxes & duties etc., under any circumstances whatsoever.

43) Electrical Power:

(i). SBIIMS/Bank will provide permanent power supply to the Distribution Board to be installed by the contractor in the lift machine room for testing and commissioning of Lift free of cost.

(ii). "The Contractor shall get all the electrical works done only through the licensed electrical contractors / permit holders as registered with or licensed by State Electrical licensing Board.

44) Labour:

(i). The contractor shall, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport.

(ii). Labour importation and amenities to labour and contractor's staff shall be to the contractor's account. His quoted percentage shall include the expenditure towards importation of labour, amenities to labour and staff.

The contractor shall take necessary precautions for safety of the workers and preserving their health while working in such jobs, which require special protection and precautions. The following are some of the measures listed but they are not exhaustive and contractor shall add to and augment these precautions on his own initiative where necessary and shall comply with directions issued by the Bank or on his behalf from time to time and at all times.

i) Providing protective head wear to workers to protect them against rock falls.

ii) Supply work men with proper safety belts, ropes etc., when working in precarious heights and slopes etc.

iii) Avoiding naked electrical wire etc., as they would electrocute the works.

45) Compliance with Labour Regulations

During continuance of the contract, the contractor and his sub contractors shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed notifications that may be issued under any labour law in future either by the State or the Central Government or the local authority and also applicable labour regulations, health and sanitary arrangements for workmen, insurance and other benefits. Salient features of some of the major labour laws that are applicable to construction industry are given below.

The contractor shall keep the Employer (SBIIMS)/Bank indemnified in case any action is taken against Employer (SBIIMS)/Bank by the competent authority on account of contravention of any of the provisions of any Act or rules made there under regulations or notifications including amendments. If the Employer (SBI) is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non observance of the provision stipulated in the notification / bye laws/Acts/Rules/Regulations including amendments, if any, on the part of the contractor, the Employer Bank/(SBIIMS) shall have the right to deduct any money due to the contractor including his amount of performance security. The Employer (SBIIMS) shall also have right to recover from the contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer Bank/(SBIIMS).

i) The contractor shall be responsible for the security of the works for the duration of the contract and shall provide and maintain continuously adequate security personnel to fulfill these obligations. The requirements of security measures shall include, but not limited to maintenance of order on the site, provision of all lighting, fencing, guard flagmen and all other measures

necessary for the protection of the works within the colonies, camps and elsewhere on the site, all materials delivered to the site, all persons employed in connection with the works continuously throughout working and non working period including nights, Sundays and holidays for duration of the contract.

ii) Other contractors working on the site concurrently with the contractor will provide security for their own plant and materials. However, their security provisions shall in no way relieve the contractor of his responsibilities in this respect.

iii) Separate payment will not be made for provision of security services and its cost shall be deemed to have been included in the offer of tender / contract.

46) SERVICING:

Free servicing will have to be done by the firm/ Lift manufacturer for a period of **Twelve Months** from the date of commissioning the lift i.e. during the guarantee/warranty period.

The agency authorized representative shall be available on the mobile phone on a 24 Hrs X 7 days basis for registering a complaint.

47) Fire fighting measures:

a) The contractor shall provide and maintain adequate firefighting equipment and take adequate fire precaution measures for the safety of all personnel and temporary and permanent works and shall take action to prevent damage to destruction by fire.

b) Separate payment will not be made for the provision of fire prevention measures.

48) SPECIFICATIONS:

The supply and erection of lift should be in conformity of standards as per **I.S. specifications.**

49) SCAFFOLDING:

Scaffolding to the required extent in the hoist way and providing necessary safety barriers at landing entrances etc have to be erected and retained till completion of erection by the lift contractor at his cost.

50) STEEL:

The rate quoted should also include necessary steel required for necessary RSJ joists for mounting the motor and gear box, still support angles hitch beams, buffer support channels and bearing plates etc. The Department will not be responsible for any mishaps during execution of equipment. Any increase in rates of steel shall be to the Account of Lift suppliers only.

51) TRANSPORT & STORAGE:

The materials will have to be delivered at site and stored at the cost of the firm. The safety of the material will be contractor's responsibility till the equipment is handed over duly commissioned. Any damage or loss of the materials stored will be to the account of tenderer. Any repairs or replacement etc., needed to the materials so stored should be done at the cost of tenderer till the lift is handed over in satisfactory, operating condition after testing and commissioning. All the expenses should be borne by the Contractor.

52) Tests:

The manufacturers shall conduct all tests required to ensure the equipment furnished confirm to the requirement of applicable standard and codes.

53) DRAWINGS:

i. The contractor shall inspect the site before submitting the tender and before preparation of lift drawings.

ii. SBI/MSB/Co-operative Bank reserves the right to make alterations to the building plans during execution of work as per necessity of site conditions. The premium quoted by the contractor for various items shall hold good for execution of work even with altered plans.

Signature of the Contractor

iii. The successful tenderer shall submit, in duplicate, within a week on receipt of acceptance of the tender, General Arrangement Drawings (GAD) Shop drawings, detailed working drawings and specifications showing the complete details of all work to the Employer (SBIIMS). The drawings will be scrutinized by the Employer / Architect / Consultant and returned to the tenderer within one week of receipt, duly approved or with observations.

iv. The General Arrangement Drawing shall also include the following drawings:

- (a) Hoist way plan for the lift.
- (b) Lift machine rooms showing all machines, beams runway beams etc. and their reactions on the building.
- (c) Lift pit plans with details of reaction load on the pit floor.
- (d) Hoist way sections showing all structural supports required.
- (e) Elevations of all lifts.
- (g) Structural opening at hoist ways.
- (h) Detail of lift entrances.
- (i) Plan and section of lift cars.

54). It shall be the endeavor of Elevator Manufacturers to Propose Maximum Car Size possible in the available Hoist way without Sacrificing Aesthetics & Functional Requirements.

55). The lift contractor shall be responsible for any discrepancies, errors and omissions in the drawing or particulars submitted by him even if these have been approved by the SBIIMS.

56) Conditions of A.M.C:

- (i) The Annual Maintenance Contract should be comprehensive nature, should cover all parts of the Lift, Machine, Car etc.
- (ii) The AMC amount for a particular year will be paid quarterly in advance.
 - (i) The A.MC will be started after the warranty period expires.
 - (ii) The Vendor should arrange for monthly once inspection and general servicing of the entire lift.
 - (iii) During emergency the service representative should attend within 1 hour.
 - (iv) All the compliant calls should be closed within 24 hrs.
 - (v) Agree to carry out the comprehensive maintenance of the lift under this scope of work after completion of one year guarantee period+3 years CMC period at rates derived from IEEMA (INDIAN ELECTRICAL & ELECTRONICS MANUFACTURES ASSOCIATION)

57) Guarantee:

(i). All equipments shall be guaranteed for period of 12 months, from the date of taking over the installation by the user department against unsatisfactory performance and /or break down due to defective design workmanship or material. The equipments or components or any part thereof, so found defective during guarantee period shall be forthwith repaired or replaced free of cost, to the satisfaction of the Engineer-in charge. In case it is felt by the department that undue delay is being caused by the contractor in doing this the same will be got done by the department at the risk and cost of the contractor. The decision of the Engineer-in-charge in this regard shall be final & binding on the contractor.

(i). The tender shall guarantee among things, the following:

- (a). Quality, strength and performance of the materials used as manufactures standards.
- (b). Safe mechanical and electrical stress on all parts under all specified conditions of operation.
- (c). Satisfactory operation during the maintenance period.

UNDERTAKING OF TENDERER

Date:

To
The Circle Head
SBI Infra Management Solutions (P) Ltd
SBI, Local Head Office, 4th floor
III/1Pt Jawaharlal Nehru Marg
Bhubaneswar- 751001

Sir,

I / We do hereby tender and if this tender be accepted, under take to execute the work of Design, supply, installation ,testing & commissioning of 15 passenger (1020Kg) lift at SBI Main Branch Building, Jharsuguda to serve G+2 floors.

As shown in the drawings and described in the specifications available and also deposited in the office of the Circle Head SBIIMS, 4th Floor, Local Head Office, State Bank of India, Bhubaneswar with such variations by way of alterations or additions to, and omissions from the said works and method of payment as provided for in the "conditions of the contract" for the sum of Rupees as quoted in the tender or such other sum as may be arrived under the clause of the standard preliminary specifications relating to "Payment on lump-sum basis or by final measurement at unit rates".

✓ I/We agree to keep the offer in this tender valid a period of three month(s) **(90 days)** mentioned in the tender notice and not to modify the whole or any part of it for any reason within above period. If the tender is withdrawn by me/us for any reasons whatsoever, the earnest money paid by me/us will be forfeited to SBIIMS.

✓ I / We hereby distinctly and expressly, declare and acknowledge that, before the submission of my/our tender I/We have carefully followed the instructions in the tender notice and have read the relevant BIS / Equivalent standards specification of lifts and that I/We have made such examination of the contract documents and the plans, specifications and quantities and of the location where the said work is to be done, and such investigation of the work required to be done, and in regard to the material required to be furnished as to enable me/us to thoroughly understand the intention of same and the requirements, covenants, agreements, stipulations and restrictions contained in the contract, and in the said plans and specifications and distinctly agree that I/We will not hereafter make any claim or demand upon the SBIIMS. based upon or arising out of any alleged misunderstanding or misconception / or mistake on my/or our part of the said requirement, covenants, agreements, stipulations, restrictions and conditions.

✓ I / We enclosed to my/ our application for tender schedule a crossed demand draft (No.....dated.....) for Rs..... (Rupees..... only) as earnest money not to bear any interest.

✓ I / We shall not assign the contract or sublet any portion of the same. In case if it becomes necessary such subletting with the permission of the Circle Head shall be limited to (1) Labour Contract, (2) Material contract, (3) Transport contract and (4) Engaging specialists for special item of work.

✓ If MY/OUR tender is not accepted the sum shall be returned to me/us on application when intimation is sent to me/us of rejection or at the expiration of **three months** from last date of receipt of this tender, whichever is earlier. If my/our tender is accepted the earnest money shall be retained

Signature of the Contractor

by the SBIIMS. as security for the due fulfillment of this contract. If upon written intimation to me/us by the **Circle Head, SBIIMS,4th Floor, Local Head Office, State Bank of India,Bhubaneswar** I/We fail to attend the said office on the date herein fixed or if upon intimation being given to me/us by the Circle Head or acceptance of my/our tender, and if I / We fail to make the additional security deposit or to enter into the required agreement as defined, then I/We agree the forfeiture of the earnest money. Any notice required to be served on me/us here under shall be sufficiently served on me/us if delivered to me/us here under shall be sufficiently served on me/us if delivered to me/us hereunder shall be sufficiently served on me/us if delivered to me/us personally or forwarded to me/us by post to (registered or ordinary) or left at my/our address given herein. Such notice shall if sent by post be deemed to have been served on me/us at the time when in due course of post it would be delivered at the address to which it is sent.

Address: _____

✓ I AM/WE ARE professionally qualified and we will employ the technical staff for the work and will see that they are always at site during working hours, personally checking all items of works and pay extra attention to such works as required special attention

✓ / We fully understand that the written agreement to be entered into between me/us and BANK. shall be the foundation of the rights of the both the parties and the contract shall not be deemed to be complete until the agreement has first been signed by me/us and then by the proper officer authorized to enter into contract on behalf of Employer (Bank).

TENDERERS / CONTRACTOR'S CERTIFICATE

1) I / We hereby declare that I/We have perused in detail and examined closely the Specifications, all clauses of the preliminary specifications with all amendments and have either examined all the standards specifications or will examine all the standard specifications for items for which I/We tender, before I/We submit such tender and agree to be bound and comply with all such specifications for this agreement which I/We execute in the SBIIMS.

2) I / We certify that I/We have inspected the site of the work before quoting my price. I/We have satisfied about the quality, availability and transport facilities for all the materials.

3) I / We am/are prepared to furnish detailed data in support of all my quoted rates, if and when called upon to do so without any reservations.

4) I / We hereby declare that I / We will not claim any price escalation.

5) I / We hereby declare that I am / We are accepting for the defect liability period as **12 months**.

6) a) I / We declare that I/We will deliver the required lift materials and I/We shall ensure smooth and un-interrupted execution of the work to meet up the Targets.

b) I / We declare that I / We shall not claim any extra amount towards any material used for the work other than the quoted works for respective schedule

7) I / We declare that I/We will execute the work as per the mile stone programme, and if I / We fail to complete the work as per the mile stone programme I abide by the condition to recover liquidated damages as per the tender conditions.

8) I / We declare that I/ We will abide for settlement of disputes as per the tender conditions.

DECLARATION OF THE TENDERER

- 1) I / We hereby declare that I/ We have not been black listed/debarred/ suspended in any department / Employer (SBIIMS) of State/ Central Government due to any reasons.
- 2) I / We have not been demoted to the next lower category for not filing the tenders after buying the tender schedules in a whole year and my/our registration has not been cancelled for a similar default in two consecutive years.
- 3) I / We agree to disqualify me/us for any wrong declaration in respect of the above and to summarily reject my/ our tender.
- 4) I / We have gone through carefully all the Tender conditions and solemnly declare that I / we will abide by any penal action such as disqualification or black listing or determination of contract or any other action deemed fit taken by the **Circle Head, SBIIMS,4th Floor, State Bank Of India ,Local Head Office, Bhubaneswar** against us, if it is found that the statements, documents, certificates produced by us are false / fabricated.

Address of the Tenderer:

Phone No.:

Fax No.:

Signature of the tenderer.

Note: This form must be signed & Stamped in original letter head to be submitted to this office along with Technical Bid document.

TECHNICAL SPECIFICATIONS

The supply and erection of lift shall conform to the latest lift act in force and modern lift practice in all respects. Technical specifications for various items of work given in the Bill of Quantities are to be read in conjunction with the specifications given below. Each item of work shall be executed according to the relevant Indian Standard (IS) specifications.

Document Number	Standard Title
IS 9878 : 1981	Safety gears and governors for electric passenger and goods lifts
IS 14665 : Part 1 : 2000	Electric Traction Lifts - Part 1 : Guidelines for Outline Dimensions of Passenger, Goods, Service and Hospital Lifts
IS 14665 : Part 2 : Sec 1 and 2 : 2000	Electric Traction Lifts - Part 2 : Code of Practice for Installation, Operation and Maintenance - Section 1 : Passenger and Goods Lifts - Section 2 : Service Lifts
IS 14665 : Part 3 : Sec 1 and 2 : 2000	Electric Traction Lifts - Part 3 : Safety Rules - Section 1 : Passenger and Goods Lifts - Section 2 : Service Lifts
IS 14665 : Part 4 : Sec 1 to 9 : 2001	Electric Traction Lifts - Part 4 : components - Section 1 : Lifts Buffers - Section 2 : Lift Guide Rails and Guide Shoes - Section 3 : Lift Car frame, Car, Counterweight and Suspension - Section 4 : Lift Safety Gears and Governors - Section 5
IS 14665 : Part 5 : 1999	Electric Traction Lifts - Specification - Part 5 : Inspection Manual
IS : 3534	Outline dimension for electrical lifts.
IS : 1860	Code of Practice for installation, operation and maintenance of electric passenger and good lift.
IS : 1173	Hot rolled and slit steels tee bars
IS : 4722	specification for rotating electric machines
IS : 800	Code of practice for use of structural steel in general welding construction.
IS 2365 : 1977	Specification for Steel Wire Suspension Ropes for Lifts, Elevators and Hoists
IS 4289 : Part 1 : 1984	Specification for Flexible Cables for Lifts and Other Flexible Connections - Part 1 : Elastomer Insulated Cables
IS 4289 : Part 2 : 2000	Flexible Cables for Lifts and Other Flexible Connections - Specification - Part 2 : PVC Insulated Circular Cables
IS 8151 : 1976	Single-speed three-phase induction motors for driving lifts
IS 9228 : 1979	Specification for Mono Seat Chairs for Chairlifts Used in Winter Sports

Guarding and protecting hoist way shall be responsibility of the lift contractor from the date of commencement of work at site.

DESIGN REQUIREMENTS :

General :

Unless inconsistent with this specification, the suppliers standard or usual construction is desired. The equipment shall be capable of safe, proper and continuous operation. The lift well structure along with elevation of different landing opening, machine rooms and pit dimensions are shown in the drawings attached herewith .

ELECTRIC SUPPLY :

The available system of electric supply is 415 volts between phases and 240 volts between phase and neutral - 3 phase 4 wire AC 50 Hz system. The amount of power required for elevators and equipment shall be indicated in the tender in the relevant format. Power shall be provided at one point in machine Room at a point to be indicated by the tenderer. Beyond this supply point, all subsequent electrical systems shall be the responsibility of the tenderer. Reverse phase & phase failure relay shall be provided to protect the machine against phase reversal and failure of any phase.

DRIVING MECHANISM :

Elevator Machine :

The elevator machine shall be suitable for 415 volt 3 phase 50 Hz AC supply with a voltage variation of +10% and -10% and shall be placed directly above the hoistway on steel beams resting on machine room floor slab.

The elevator machine shall have high efficiency and low power consumption and shall be designed to withstand peak currents in lift duties. Resilient anti vibration mountings of suitable design shall be provided to minimise noise and vibration transmission.

The elevator machine shall be **gearless type** and consist of a motor, electromechanical brake , and sheave all completely mounted on a common bed plate. Roller bearings shall be provided for the sheave shaft to ensure alignment and long bearing life or as per manufacturers standard proven design. The hard alloy cast iron or steel sheave shall have rope grooves to ensure proper traction and minimum rope wear.

Means for manual operation of the lift car shall be made by providing winding wheel suitably marked to indicate the direction of the movement to enable the lift car to be brought to the nearest landing. There shall be a warning display for switching off electrical supply before the manual operations.

BRAKE :

The electromagnetic brake shall be spring applied and electrically released. It shall come into action after the lift has come to a complete halt to hold the car in position. The brake shall operate automatically with the safety devices and failure of the mains. It shall be released electrically. It shall be possible to release the brake manually - such release requiring the action of manual force to move the lift in short stops.

Drive Motor :

- (a) The drive motor shall be **Permanent magnet motor/SQIM** suitable to withstand frequent peak current encountered in lift duty and shall have high starting torque and low starting current.
- (b) The motor shall be capable of not less than 150 starts per hour without excessive temperature rise.
- (c) The maximum temperature rise of the winding shall not exceed 50 °C above ambient temperature when operated under normal condition.
- (d) The motor shall carry a nameplate giving full details of its ratings and characteristics.
- (e) The motor used shall have Class F insulation and shall be designed for 110% of rated load.

CONTROL :

The Elevators shall have microprocessor controlled AC variable voltage variable frequency (ACVVVF) drive with closed loop control system. The drive system shall control the starting, stopping, direction of motion, running of the lift motor and application of the brake and/or safety devices in the event of power failure or any other emergency. It shall be so designed as to

ensure a smooth and constant acceleration and retardation under all operating conditions. **The ACVVVF drive shall be compatible for remote monitoring by BMS system.**

The controller shall be wall/floor mounted, vertical, totally enclosed cubicle type with hinged doors on the front and the rear to provide easy access to all components in the controller. The cubicle shall be well ventilated such that the temperature inside never exceeds the safe limits of the components at ambient room conditions in the machine room.

The Controller shall be complete with built in protection against the following:

- a) Over current
- b) Under voltage
- c) Overvoltage
- d) Single phasing
- e) Phase reversal
- f) Earth leakage

The controller shall be designed to cut off the power supply, apply the brake and bring the car to a rest in the event of any of the above failures occurring.

The tenderer shall state clearly the forms of protection provided for each equipment.

Counter weight :

Counter weight shall consist of cast iron weights/ RCC blocks, as per manufacturers standards, contained in a structural frame and shall be equal to the weight of the car plus approximately 50% of the contract load. Suitable metallic counter weight guard of required length shall be provided at the bottom of the hoistway. Steel 'Tee' section guides shall be provided for counter – weight.

Guide rail and guides :

Guide rails of the car and counter weights shall be preferably machined section and comprise of steel tees and grooved fish plates & bolts at the ends and securely fastened to the hoist way frame by heavy steel brackets. Car and counterweight frames shall be provided with suitable lubricating system. The guide rails of the lift shall be fastened to the shaft way frame work and concrete inserts at regular intervals. Adequate packing shall be supplied by the supplier.

Hoist Ropes :

Hoisting suspension ropes as per IS 14665(Part4/sec.1to9):2001 .The car and counterweight shall be suspended by **steel wire ropes or polyurethane flat belt** with steel wires embedded in it. The rope /belt shall be of continuous length without break or lengthened by splicing.

More than two independent wire ropes shall be used for cage and counterweight with traction drive and each of the drum drives and wire ropes shall be fixed independently to cage and counterweight Factor of safety for normal working to be taken as 10.

Lift Car :

Size of car platform shall be of maximum size that could be accommodated in lift well as per code of practice. The platform shall consist of a structural steel frame designed on the basis of rated load covered with a M.S steel plate and having granite flooring of design, colour and quality approved by E-I-C, shall be laid on and securely fixed to the steel sub-flooring in the approved manner. Temporary wooden platform may be provided over granite flooring for protection, during the construction period.

Top of car shall be designed to support weight of two (2) persons.

The car enclosure shall be stainless steel sheet 18 SWG, **hairline** finish, smooth and free of defects. The panel shall be in one piece vertically from floor to soffit line securely bolted

together or to adjoining members with formed, light proof joints and suitably reinforced to provide rigidity.

SS Hand rail and SS kick plate of manufacturer's standard design shall be provided

On the top of the car cage following accessories should be provided:-

Up, down & stop push button, & one number single phase 240 V power point.

A travelling screen (toe guard apron) as per manufacturer's design shall be provided below the level of the car floor to prevent fall of person in the shaft from open doorway entrance.

Auto fan & car light off facility shall be provided, when car is in parking position.

Car Doors :

Centre /Telescopic opening, horizontal sliding, stainless steel (18 SWG thick) doors in **hairline** finish with sandwich construction shall be provided. The doors shall have automatic opening & closing feature. Doors shall be provided with rubber buffers and have clear opening as per specific requirements. Infra red sensor along the entire door height shall be provided for sensing obstruction while door closing. Also, protective leading edge device, as a backup to infra red sensor, shall be provided, to open the door immediately on sensing impact on the door.

Hoist way Landing Doors :

Centre/Telescopic opening, horizontal sliding, stainless steel (18 SWG thick) door in **hairline** finish with sandwich construction, at each landing shall be provided. The doors shall have automatic opening and closing feature in association with car door. Doors shall be provided with rubber buffers and have a clear opening as per specific requirements. Car will open in front only.

Provision for emergency opening of the landing door by means of a special key should be provided at all floors.

All the landing doors shall have a fire resistance of not less than 1 hour.

CAR & HOIST WAY OPERATIONS :

The equipment shall be complete with electric door operator with **ACVVVF drive** for opening and closing of Car & Hoistway landing door. The equipment shall consist of a motor on the lift car to operate the door when the car is stopping at a landing. The car & Hoistway doors shall be mechanically connected such that both move simultaneously for opening and closing.

The Hoistway landing door shall be provided with an interlock such that:

- a) It shall not be possible for the car to be started or kept in motion until all the landing doors and the car door are locked in the closed position.
- b) It shall not be possible to open the landing door from the landing unless the lift car is within the particular landing zone.
- c) The car doors & Hoistway landing doors open automatically as the car is stopping at a landing. The closing of the car and landing door must occur before the car is set in motion.

Cabin fan/Ventilation :

Pressure fan of approved make and of adequate size shall be provided in the car ceiling. The fan shall be on emergency supply through battery for minimum 30 min back up in case of

power failure in each elevator car. **Auto fan off facility shall be provided, when the car is in parking mode**

Bidder should indicate whether forced ventilation will be required in the machine room for control panel and control equipment etc.

Lighting :

LED Light fixture of approved type and quality shall be provided in the car to provide adequate lighting in the car. Auto light off facility shall be provided, when the car is in parking mode.

Emergency Light :

An emergency light unit using sealed Nickel/Cadmium or equivalent approved makes maintenance free battery power pack with charger/inverter and compact fluorescent lamp to operate automatically and to illuminate the car for minimum 30 minutes in case of power failure shall be provided in each elevator car.

Alarm Bell :

An emergency alarm bell, including wiring shall be provided and connected to a plainly marked push button in the car operating panel. The alarm shall be located in the Control and the Security Room and main lift lobby.

The alarm unit shall be solid-state siren type, operated by Nickel/Cadmium maintenance free batteries to give a waxing and waning siren when the alarm button in the car is pressed momentarily.

Name plate :

A name plate shall be fitted in the lift car to indicate the rated capacity of the lift & instructions in Hindi & English as per format given in Part IV of specifications.

Operation Buttons & Indications:

The following operation buttons and indications shall be provided:

In each Lift Car :

Stainless steel panel (COP) of suitable thickness flush mounted shall be provided on one side of the door having:-

- a) LED luminated push buttons of micropressure type or touch sensitive glass type corresponding to the floors served. Also all the buttons on the COP shall have Braille inscription.
- b) Door open button.
- c) Door Close button.
- d) Emergency alarm button
- e) Emergency Light
- f) Two position key operated switch for 'with attendant' and 'without attendant' operation.
- g) Ventilation fan ON/OFF switch with auto OFF when car is in parking mode/there are no calls to attend.
- h) Built in intercom of the hands free type. Provision only for providing EPABX telephone instrument with cable shall also be kept. Also one number telephone instrument in machine room and one in security room including interconnections.
- i) Dynamic car direction display
- j) Car position indicator
- k) Overload warning indicator

At Landings :

The landing fixtures shall be recess mounted on a base junction box in the wall by the side or on top of landing doors as required. Each landing fixtures shall consist of micro touch type landing call buttons or touch sensitive glass with illuminated call acknowledge signal and

illuminated digital type car position indicators on separate stainless steel face panels with hairline finish. The call buttons shall have Braille inscription.

The following landing fixtures shall be provided for each lift:

- a) Lowest floor
 - Up call button
 - Digital car position indicators
 - Travel direction indicators
- b) All floors other than lowest and top most floor
 - Button up and down call buttons
 - Travel direction indicators
 - Digital car position indicators
 - Manual by pass key switch for lift landings.
- c) The top most floor
 - Down call button
 - Travel direction indicators
 - Digital car position indicators
 - Manual by pass key switch for lift landings.

Control Cabinet (Panel) Construction Feature:

Control cabinets shall be sheet steel enclosed and shall be dust weather and vermin proof type. Sheet steel used shall be of adequate thickness and properly braced to prevent wobbling.

Control cabinets shall be free standing floor mounting type with anti-vibratory pads. Control cabinets shall be provided with a concealed hinged door with padlocking arrangement.

All doors, removable covers and plates shall be gasketed all around with neoprene gaskets, louvers when provided shall have screens and filters. The screen shall be of fine wire mesh of brass.

Cable entries shall be either from top or from bottom.

All sheet steel work shall be given standard seven tank treatment and powder coated, both inside and outside. The colour of the finishing coat shall be as per shade 693 of IS:5 or as per manufacturers approved shade.

Cabinet Internal wiring :

Control cabinets shall be supplied completely wired ready for Dept./Users external connection at the terminal blocks. All wiring shall be wired with stranded copper conductor with preferably FRLS properties of adequate sizes to suit the rated circuit current. The control alarm and indication circuits shall be wired with stranded copper conductor of sizes not smaller than 0.5 sq.mm or as per manufacturers standards.

Engraved core identification ferrules, marked to correspond with the wiring diagram shall be fitted at both ends of each wire. Ferrules shall be fit tightly on the wires and shall not fall off when the wires are removed. Spare auxiliary contacts of all relays, contactors, etc shall be wired to terminal blocks. All wiring shall be terminated on terminal blocks using solder less crimping type tinned copper lugs. Insulated sleeves shall be provided at all the wire termination. All wiring shall be neatly bunched and dressed without affecting access to equipment mounted within the cabinet. Wiring trough shall be provided for vertical cabinet wiring and for interconnecting wire between front and rear section of the cabinet.

Terminal blocks for control indication etc shall be suitable for connecting to conductors of Dept./Users cables of following sizes :

- a) Control circuits shall be min 0.5 sq.mm multistranded copper conductor.
- b) CT circuits : min 2.5 sq.mm multistranded copper conductor.

Terminal blocks shall be numbered for identification and grouped according to function. Terminal block for CT secondary leads shall be provided with short circuiting and earthing facilities.

Labels :

All door mounted equipment as well as equipment mounted inside the control cabinet shall be provided with individual labels, with equipment designation engraved. Also the control cabinet shall be provided on the front with a label engraved with designation of the control cabinet as furnished by E-I-C.

Earthing terminals :

Control cabinet shall be provided with two separate earthing terminals suitable to receive earthing conductors as per incoming cable size.

EARTHING :

The equipment supplied shall be earthed with the following arrangement as per provisions of Indian electricity rules.

- 1) For equipment grounding the following sizes of copper conductor shall be used. The grounding pads and clamps provided shall be suitable for these conductors.

Machine of rating 20 KW to 75 KW – 25 x 3mm tinned copper strip.

Machines of rating upto 20 KW - 8 SWG tinned copper conductor

Control panel – As per incoming cable size .

- 2) Two independent grounding pads at appropriate end shall be provided on the frame of motors, winding machine, the frame of the control panels etc
- 3) The exposed metal parts of electrical apparatus installed in a lift car shall be sufficiently bonded and earthed.
- 4) One side of the secondary, winding of all transformers and their cases shall be earthed.
- 5) Flexible and screwed conduits shall be properly earthed.

SAFETY DEVICES :

The following minimum safety devices shall be provided: including all requirements of electrical/mechanical nature as per lift inspector:

Self Leveling :

The lift shall be provided with a self leveling feature within ± 5 mm. As per 2.31.1 of IS 1860-1980.

Terminal and Final Limits :

Terminal limit switches shall be provided to slow down and stop the car automatically at the terminal landings, and final limit switches shall be furnished to automatically cut off power should the car travel beyond the terminal landings.

Terminal Buffers :

Suitable **spring buffers** shall be installed mounted on steel channels as a means of stopping the car & counter weight. Buffers in the pit shall be mounted on steel channels or suitable concrete blocks.

Interlocking :

Adequate interlocking is to be provided so that the car shall not move if the landing doors are even partially open and also the lift is overloaded.

Car Safety and Governor :

The car safety shall be provided to stop the car whenever excessive descending speed is attained as per IS.

Automatic Rescue Device (ARD) :

ARD with batteries shall be provided for the lift, for rescue of passengers, in event of power failure.

FIREMAN SWITCH:

Elevator shall have a Fireman switch with glass front for access by the Firemen. The operation of this switch shall cancel all calls to this lift and will stop at the next nearest landing if traveling upwards. The doors will not open at this landing and the lift will return to the stilt floor. In case the elevator is traveling downwards when the fireman's switch is operated it will go straight to the stilt floor bypassing all calls en-route. The emergency stop button inside the car shall be rendered inoperative.

The fireman's switch shall be located adjacent to the lift opening at the lowest terminal floor and shall be at a height of approximately 2 m above the floor level. For easy identification of firemen's lift which confirm to the local authorities requirements, a red and white diagonally striped backing shall be provided behind the glass of the firemen's switch.

A permanent notice of prominent size indicating the floors served shall be provided and displayed adjacent to the firemen's lift at the lowest terminal floor. The notice shall be made of laminated plastic sheet or other approved materials with red letters on white background. Details of the notice shall be submitted to the Engineer-in-Charge for approval prior to fabrication.

Inspection and testing at manufacturers works :

All the materials & equipment used shall be new and of tested quality. Contractor shall ensure that the material equipment furnished confirm to requirements of the specification and in compliance with standards and codes.

The particulars and procedures of the particulars test shall be submitted to Dept/Users.

The dept. representative shall be given full access to all tests adequate time prior to major shop test, the manufacturers shall inform the dept. so that if the dept. so desires his representatives can witness the tests.

Test at manufacturers works :

- ☐ Routine/functional test as per IS on motor, governor, ARD & controller. Manufacturers test certificate for type test to be submitted for approval.
- ☐ For imported Elevator, visual inspection at manufacturers warehouse shall be carried out.

Tests at Site :

After assembly and erection at site, the lift shall be tested at site before it is put into normal service . The supplier shall be full responsible for carrying out all the tests including following as listed below in addition to the relevant Indian Standards.

- a) Levelling tests
- b) Safety gear test
- c) Contract speed
- d) Lift balance.
- e) Car and landing doors locks.
- f) Controller.
- g) Normal terminal stopping switches.
- h) Final terminal stopping switches.
- i) Insulation resistance
- j) Earthing.
- k) Ropes
- l) Buffers
- m) Service temperature rise test.

The reports of these test shall be submitted to the E-I-C.

The supplier shall have to obtain necessary clearance from the lift inspector and fire brigade authorities after the complete installation. It will be the responsibility of the lift contractor to get the installation inspected and passed by the Government Inspector for lifts/Electrical inspector. Any modification as suggested by inspector for lifts shall be attended by the lift supplier at no extra cost to the department.

SBI INFRA MANAGEMENT

(A Wholly Owned Subsidiary



SOLUTIONS PVT. LTD.

of SBI)

CIRCLE OFFICE

SBI Local Head Office, 4th Floor, III/1 Pandit Jawaharlal Nehru Marg, Bhubaneswar- 751001

Part – II

The indicative price bid to be submitted online on M/s. Antares Systems Limited, website <https://tenderwizard.com/SBIETENDER>

SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF 15 PASSENGER (1020Kg) LIFT

At S.B.I, MAIN BRANCH BUILDING, Jharsuguda.

Tender reference No: **SBIIMS/BHU/ELECT./2018-19/42**

TENDER SUBMITTED BY:

NAME : _____

ADDRESS : _____

GSTIN NO : _____

DATE : _____

SPECIFICATIONS OF 15 PASSENGER (1020Kg) LIFT

Number of lift/ type of lift : 01/ Gear less - 15 passenger Lift

Number of floor to be served : 3 (Ground +2 floor)

Number of landing entrance : 3 (Ground +2 floor)

Load/ speed : 1020Kgs/ 01 mtr/sec

Drive : Microprocessor based VVVF

Control system : Microprocessor based simplex selective collective control with / without attendant

Travel : 11000mm approximately.

Number and position of car entrance: One, in front only

Position of machinery ; Directly above the lift well

Size of lift well : **2500 (wide) x2095 (depth)**

Lift car inside size : (As per lift well size and to suit 15 Passenger /1020Kg)

Car body : stainless steel (hair line finish)

Car ceiling/ flooring : SS hair line finish

Car lighting / fan: LED light, axial flow fan

Type of car entrance: Power operated center opening power door- ss hair line finish

Type of landing entrance : center opening power door- ss hair line finish**(fire rated) 2 hr**

Landing door frame : ss hair line finish center opening power door.

Door opening : 1000mmx 2000mm (wide x height).

Power supply : 415v/ 3 ph/ 50 cycle AC

Other features : Landing push button

press and speak phone/ 3 way intercom

Battery operated Emergency light/alarm bell

Floor announciator with music

Signature of the Contractor

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Vandal proof SS button with S.S cover push button with led

Call register signal and DF door operator

DOT matrix LED D&P indicator in car/landing

false ceiling In car

Fire man switch

Infrared full door screen

over load warning indicator

SS hand rail

Automatic rescue device

Built in voltage stabilizer for control gear
Auto/attendant key.

Auto on-off light and fan

Stainless steel handrail should be provided inside the car cabin.

The vendor should provide operating instructions chart at machine room and emergency risks methods should be displayed.

Should be convenient to physically handicap and Brail notations should be there.

******Note: No extra charges will be paid for any minor civil works, scaffolding required for installation of lifts**

COMMERCIAL PRICE BID
(To be uploaded online in e-tender) (NEED NOT TO QUOTE HERE)

Supply , installation, testing and commissioning 15 passenger(1020kg) lift at SBI Main Branch Building , Jharsuguda.

S No	Description	Qty	Rate	Amount
1	Supply , installation, testing and commissioning 15 passenger (1020Kg) gear less lift at SBI LHO Building , Bhubaneswar as per technical detailed in the document. (CPWD empaneled Category –“A” Lift Manufacturers)	01no		
	Sub total (A)			
2	Comprehensive AMC for the above lift after warranty period			
	a. First Year	1 job		
	b. Second Year	1 job		
	c. Third Year	1 job		
	Sub-total of AMC: (B)			
	Grand Total (A+B)			
	Grand Total In words			

Note:

- (i) All the vendors must quote their rates for the above work duly after inspection of the site. No further price variation/ deviation will be entertained later.
- (ii) Price quoted should be inclusive of all Taxes, duties and transportation charges excluding GST.
- (iii) The Vendor must quote for AMC charges for the new lift per year (as per BOQ) and service tax/GST is payable extra as per prevailing rates at that time. No revision of AMC charges will be permitted.
- (iv) AMC amount will be considered for arriving at the L1 tender only. However work order will be place on the amount excluding AMC amount to the L1 VENDOR. AMC amount will be applicable after expiry of warranty period one year.
- (v) The works required for erection of lift like scaffolding, grouting, all civil works related to installation will be under scope of contractor.

Date:

Signature with company seal

Station:

Signature of the Contractor