



ADMINISTRATIVE OFFICE
BERHAMPUR-760001
E-MAIL: cmhr.zober@sbi.co.in

**TENDER FOR DESIGN, SUPPLY, INSTALLATION, TESTING AND
COMMISSIONING OF 8 PASSENGER, 1 NO. DOUBLE ENTRY CAR LIFT
AT REGIONAL BUSINESS OFFICE, ASKA**

Eligibility Criteria: SBI (LHO, Bhubaneswar) approved Electrical contractor under LT category Group-EA, EB & EC category (newly empaneled in the year 2020) are only eligible to participate in this tender. Contractor should possess valid digital signature for this e-tender

PART – A: TECHNICAL BID

Tender Ref. No: BHU/AOBAM/R2/2023-24/09/02 DATE: 27.09.23

TENDER SUBMITTED BY:

NAME OF VENDOR: _____

ADDRESS : _____

GSTIN NO : _____

DATE : _____

NOTICE INVITING TENDERS

SBI Administrative Office, Berhampur-760001 online invites tender followed by E-reverse auction from SBI (LHO, Bhubaneswar) approved Electrical contractor under LT category Group-EA, EB & EC category (newly empaneled w.e.f. 01.01.2021) for Supply and Installation of 8 Passenger, 1 No. DOUBLE ENTRY CAR LIFT AT Regional Business Office, Aska.

The other details of the tender are as under:

1.	Name of Work and location of work	Supply and Installation of 8 Passenger, 1 No. DOUBLE ENTRY CAR LIFT AT Regional Business Office, Aska.
2	Eligibility of criteria	SBI (LHO, Bhubaneswar) approved Electrical contractor under LT category Group-EA, EB & EC category (newly empaneled) are only eligible to participate in this tender
3	List of approved and acceptable Lift Make	(a) Otis Elevator Company India Limited (OTIS) (b) Kone Elevator India Private Limited (KONE) (c) Schindler India Private Limited (SCHINDLER) (d) Mitsubishi Elevators India Limited (MITSUBISHI) (e) Johnson Lifts India Ltd.(JOHNSON)
4	Estimated Amount	Rs.19,58,000/- (Rupees Nineteen Lacs Fifty Eight Thousand Only) + CAMC + GST
5	Earnest Money Deposit (EMD)	Rs.19,600.00 (Rupees Nineteen Thousand Six Hundred Only) in the Form of Demand Draft/Banker's Cheque issued by any Nationalized /Scheduled Bank Drawn in favour of "State Bank of India" Payable at "Bhubaneswar" which is to be submitted in original in a separate envelope super-scribing "EMD". Those empaneled electrical contractor's under LT category submitted their one time EMD the Bank towards LT category EA, EB & EC category, need not to submit the EMD again. However, the copy of the one-time EMD to be submitted in a separate envelope super-scribing "One Time EMD". Without EMD/one time EMD, the tender will be rejected. EMD shall be converted into SD for successful Contractor, whose tender is accepted. <u>Contractors having valid NSIC/MSME certificate are exempted for submission of EMD.</u>
6	Availability of Tender document.	27.09.2023 to 05.10.2023 from Bank's website " https://www.sbi.co.in/portal/web/home/procurement-news " and www.tenderwizard.com/SBIETENDER
7	Last date and time for receipt of written queries by e-mail/post for clarification from bidders	On or before 2:00 PM on 30.09.2023 E-mail Id for clarifications: cmhr.zober@sbi.co.in

		Note: <u>(Only written queries submitted by the bidders within stipulated date and time shall be discussed and clarified)</u>
8	Date of posting of clarifications of the Bidder's queries on Bank's website	03.10.2023 (Clarifications, if any, shall be posted only on the Bank's Website. No individual communication shall be provided to the Bidder). Any clarifications sought after stipulated date and time will be not entertained at any cost. Bidder should visit the website till last date of submission for changes/corrigendum, if any.
9	Last date, time and place for submission of online Technical Bid.	The eligible empaneled contractor under the Bhubaneswar Circle/LHO are required to submit the scan copy of the following documents online service provider portal i.e. www.tenderwizard.com/SBIETENDER on or before Dt.05.10.2023 up to 02:00 PM.: i) Earnest Money Deposit (EMD) in original /copy of the Onetime EMD/ Copy the valid MSME/NISC certificate ii) Letter of Undertaking (Annexure-7) with the seal of the company/firm in the name of the person signing the tender documents. iii) Technical parameter (Annexure-9) in company/firm letter head duly signed & stamped iv) Authorization letter from any one of approved lift OEMs for participation in this tender. v) Complete tender document duly signed and stamped in each pages. Note: <u>Tenders received without any one or more document mentioned above shall be rejected.</u>
11	Last date, time and place for submission of indicative Price Bid.	The indicative Price Bid to be uploaded/submitted online on service provider portal i.e. www.tenderwizard.com/SBIETENDER on or before 05.10.2023 up to 2:00 PM The bidder (Vendor/Contractor/Authorized Dealer) should have valid digital signature for this e-tender. E-tendering guidelines may be obtained from:

		Contact Person: Mr. Kushal Bose / Mr. Biswajith Mobile no. 09674758719/ 09674758723 (On working days-9 hours-18 hours) e-mail: kushal.b@antaressystems.com ; biswajit.c@antaressystems.com
12	Date, Time and Place of opening of Online Technical Bid.	on 05.10.2023 at 2:30 PM
13	Date, Time and Place of opening of Online Indicative Price Bid.	The online indicative Price bid (Part-2) of only technically qualified bidder shall be opened on 06.10.2023 at 11:00 AM.
14	Last date, time of E-Reverse Auction bid by the bidders qualified in Technical Bid.	The date and Time schedule of e-reverse auction will to be intimated through mail by service provider to the eligible bidders post technical evaluation. <u>E-reverse auction shall be conducted on total material cost including CAMC.</u>
15	Validity for Offer	3 (Three) Months from the Date of Opening of Price-Bid
16	Security Deposit (SD) cum Retention Money	L1 vendor shall submit, 3% of awarded value of work in the Form of Demand Draft/Banker's Cheque/STDR/BG issued by any Nationalized /Scheduled Bank Drawn favoring "State Bank of India" payable at Bhubaneswar within 14 days of receipt of "intimation by e-mail/letter" SD shall be converted into Retention Money till the end of Defect Liability period <u>and shall be released after entering into the agreement for CAMC by OEM.</u>
17	Commencement of Work.	7th Day from the date of receiving of Work Order.
18	Time allowed for completion	Sixteen Weeks
19	Deduction of income tax and GST	A) Income Tax will be deducted at source as per Govt. Guidelines. 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; 1. Contractor should have GST Registration Number

		<p>2. Invoice should specifically/separately disclose the amount of GST levied at applicable rate as per GST provision</p> <p>3. In case of Correction in the bills after scrutiny, contractor should submit fresh bills for payment</p> <p>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</p>
20	Terms and Mode of payment	<p>i) As per clause 26 of Special Condition of the Contract (SCC)</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> <p>iv) Payments towards the above work shall be made by SBI. The GST Number of State Bank of India for Bhubaneswar is 21AAACS8577K1Z1</p>
21	Liquidated Damages for Delay	As per clause 17.1 & 17.2 of SCC
22	Defects Liability Period	12 Months (Twelve months) from the date of completion or commissioning and handover of the Work.
23	Contact Person, Email ID and Phone No. of official.	Chief Manager (HR), cmhr.zober@sbi.co.in Contact No.: 7600438395

Note:

- 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 bidder, who is the authorized representative and participating on behalf of company, should have a valid digital signature certificate (DSC) for this e-tender. The validity of the DSC should be at least 3 months.
- The online price bid of only technically qualified bidder shall be opened. Vendor/Contractor should submitted their price bid online within timeline, failing which tender summarily rejected.
- SBI reserves their right to accept or reject any or all tenders either in parts or whole without assigning any reason(s) for doing so and no claim/correspondence shall be entertained in this regard.

- Tender will be summarily rejected if the Bidder failed to submit the required document as mentioned in tender, partly or fully modified, alter or corrects the tender document, failed to submit the price bid online, fails to comply Bank's technical parameter requirement. Conditional tenders are liable for rejection.

Yours Faithfully,

Sd/-

Assistant General Manager (Ops)

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

1. SBI has made arrangement with **Antares Systems Ltd.** (e-Tendering Agency (ETA) who shall be SBI's authorized service provider for this tender. For the proposed online reverse auction, the eligible bidder who fulfill all terms and conditions only shall be eligible to participate.
2. ETA will provide all necessary training and assistance before commencement of online bidding on Internet.
3. SBI/ETA will inform the vendor in writing/email 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/ email 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. The lowest bidder has to fax the duly signed filled-in prescribed format as provided on case-to case basis to SBI through service provider within 24 hours of completion of tender without fail.
8. 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 SBI as per prevailing procedure.
9. In case 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 SBI shall be opened as per SBI standard practice.

11. Business Rule for finalization of the Tender

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 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 ETA furnishing the price, the bidder wants to bid online, with a request to ETA 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 ETA in a readable / legible form and also the Bidder should simultaneously

check up with ETA 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 uploaded by ETA 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 ETA at the time of receipt of the fax message from the bidders, ETA will not be uploading the prices. It is to be noted that either SBI or ETA 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. ETA 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 item rate quoted in Indian Rupees (INR) per -one- (Unit) of the items as mentioned in Price Bid/ BOQ.

4. BID PRICE: The Bidder has to quote item rate in Schedule of Quantities; bidder is willing to execute the work inclusive of all taxes, duties, freight, service tax, overhead, contractor's profit etc. excluding GST. GST shall be paid extra as per actual.

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 submit a detail break up for his commercial offer in the prescribed format as given by the Bank duly signed by their authorized representative/proprietor.

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. In case you back out and not execute the work as per the rates quoted, the earnest money deposited by you retained by us in this regard shall be forfeited without further reference to you.

8. You shall be assigned a Unique Username & Password by ETA. You are advised to change the Password after the receipt of initial Password from ETA 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, SBI will decide the successful bidder. SBI's decision on award of Contract shall be final and binding on all the Bidders.

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

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

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 ETA can decide to extend, reschedule or cancel any tender. Any changes made by SBI and / or ETA, after the first posting will have to be accepted if the Bidder continues to access the site after that time. - ETA shall not have any liability to Bidders for any interruption or delay in access to the site irrespective of the cause. - ETA 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 e-Tendering agency before due date. - After the completion of the tender event, all the Bidders have to submit the Price Breakup immediately to e-Tendering agency for further proceedings.

PROCESS COMPLIANCE FORM

(The bidders are required to print this on their company's / firm letter head and sign, stamp before submission with technical bid)

To

Date:

Kushal Bose
Antares Systems Ltd.
Mob.+91 7686913157
Email: kushal.b@antaressystems.com

SUB: AGREEMENT TO THE PROCESS RELATED TERMS AND CONDITIONS FOR THE ONLINE BIDDING

Dear Sir,

This has reference to the Terms & Conditions for the online bidding mentioned in the Tender for "Supply and Installation of 8 Passenger DOUBLE ENTRY CAR LIFT AT Regional Business Office, Aska".

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 online bidding and the RFP as mentioned in your letter and confirm our agreement to them.
- 3) We also confirm that we have taken the training on the tender tool and have understood the functionality of the same thoroughly.
- 4) We confirm that SBI Group and ETA shall not be liable & responsible in any manner whatsoever for my/our failure to access & bid on the e-tender platform due to loss of internet connectivity, electricity failure, virus attack, problems with the PC, any other unforeseen circumstances etc. before or during the tender event.
- 5) We understand that in the event we are not able to access the tender site, we may authorize ETL to bid on our behalf by sending a fax containing our offer price before the tender close time and no claim can be made by us on either State Bank Group or ETA regarding any loss etc. suffered by us due to acting upon our authenticated fax instructions.
- 6) I/we do understand that ETA may bid on behalf of other bidders as well in case of above-mentioned exigencies.
- 7) We also confirm that we have a valid digital certificate issued by a valid Certifying Authority.
- 8) We also confirm that we will fax the price confirmation & break up of our quoted price as per Annexure II & IV and the format as requested by SBI / ETA.
- 9) We, hereby confirm that we will honor the Bids placed by us during the tender process.

10) We read each page, understood the technical bid & BOQ and I/we hereby agree to abide by and fulfill the terms and provisions and accepting all terms and conditions stipulated in the tender documents. After the accomplishment of tendering procedure, if we become the lowest bidder shall submit the hard copy of the Technical document duly signed with seal by the authorized representative/proprietor of the firm at the under mentioned office

We hereby confirm that we will honor the Bids placed by us during the tender process.

With regards

Signature with company seal

Date:

Name:

Company / Organization

PRICE CONFIRMATION LETTER (ANNEXURE II)

(Only Successful bidder required to print this on their company's/firm letter head and sign, stamp before emailing after e-reverse auction)

To,

Kushal Bose
Antares Systems Ltd.
Mob.+91 7686913157
Email: kushal.b@antaressystems.com

SUPPLY AND INSTALLATION OF 8 PASSENGER DOUBLE ENTRY CAR LIFT AT REGIONAL BUSINESS OFFICE, ASKA

E-tendering Auction Date:

Dear Sir,

We confirm that we have quoted

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

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

Yours sincerely,

For _____
Name:
Company:
Date:
Seal:

Note: Price need not to be mentioned above during submission with technical bid

PRICE BREAK UP (ANNEXURE III)

Price Break up

As per tender document

Contact Information:

Antares Systems Ltd.	SBI
Kushal Bose Antares Systems Ltd. Mob.+91 7686913157 Email: kushal.b@antaressystems.com	Chief Manager (HR) State Bank of India, Administrative Office, Berhampur-760001. Ph: 7600438395

**PROFORMA OF UNDERTAKING FOR SUPPLY, INSTALLTION, TESTING,
COMISSIONING & MAINTENANCE (CAMC) CONFIRMATION BY THE LIFT OEM**

COMPANY'S LETTER HEAD

(To be submitted by the Successful Bidder after Reverse Auction)

Date: -----

The Asst. General Manager (Ops),
State Bank of India
Administrative Office,
Brahma nagar 2nd lane,
Berhampur-760001.

Dear Sir,

**TENDER FOR SUPPLY AND INSTALLATION OF 8 PASSENGER DOUBLE
ENTRY CAR LIFT AT REGIONAL BUSINESS OFFICE, ASKA**

We hereby undertake to supply and install the Lift as per the technical data sheet mentioned in Annexure-9 at Regional Business Office, Aska and also maintain the Lift satisfactorily, for a period of not less than 4 years after expiry of the defect liability/warranty period of 12 months at the following rates quoted by the contractor M/s _____ towards all-inclusive maintenance contract.

	Comprehensive Annual Maintenance Charges including the cost of all spares & consumables (excl. battery & lights) including all taxes / levies / charges, but excluding GST after expiry of the defects liability of 01 year. This CAMC rate shall remain firm for 4 years & these charges will also be considered while evaluating tender.	Lift Unit	Annual Rates in Rs.	Annual AMC Amount in Rs.
(a)	1 st Year	1		
(b)	2 nd Year	1		
(c)	3 rd Year	1		
(d)	4 th Year	1		

Yours faithfully,

For _____

Authorised signatory with Seal of lift OEM

PROCESS TO DECIDE THE WINNER i.e. L-1 BIDDER (ANNEXURE V)

- i) The SBI shall conduct E-reverse auction on cumulative total tender amount (i.e. Algebraic sum of the amount of each individual items evaluated in the indicative price bid. At the end of the E-tendering, SBI will decide upon the winner. SBI's decision on award of Contract shall be final and binding to all the Bidders.
- ii) Special attention is invited to all the bidders to quote balanced and workable item-wise rates for all the tenders items as also to understand the rules and procedure applicable for evaluating item-wise proportionate final item-wise rates based on the final bid offered by them in the e-reverse auction. The SBI shall not be responsible in respect of unworkability/ unreasonable/ erratic (item-wise) final rates of the successful bidder evaluated as a result of E-reverse auction process may be due erratic quote in the indicative bid etc. for the reason whatsoever and the bidder shall be bound to execute the jobs on such final rates.
- iii) it is decided to go for E-reverse auction on the total tender amount (sum of all items including CAMC), the following example will clarify the process to be followed by the SBI. in the proposed reverse auction to decide the winner i.e. L-1:

Illustrative Example:

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

S.No.	Item description (supply & installtions)	Quantity	Unit in Nos	Amount Per Lift (in Rupees) ***	Amount (In Rupees) ***
(1)	(2)	(3)	(4)	(5)	(6)
1	Item-X say towards SITC of Lift including all works	2	Nos	28500.00	57,000.00
Total amount towards supply and installation denoted by (A)					Rs. 57,000.00 (say)

S.No.	Comprehensive Annual Maintenance Contract after expiry of 1 years warranty period	Nos. of lift	Annual Rate Per unit (in Rupees ***	Total Annual amount (In Rupees)
(1)	(2)	(3)	(4)	(5) = (3)x(4)
1	2 nd year	2	5000	10,000.00
2	3 rd year	2	7500	15,000.00
3	4 th year	2	7500	15,000.00
4	5 th year	2	7500	15,000.00
Total amount CAMC (sum of sr. no 1 to 4) denoted by (B)				Rs.55,000.00

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Total Tender amount denoted by (C) = (A + B) = (57,000 + 55,000) = 112000/-

*** 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.

- v) The SBI shall decide, the "Start Bid Price" and the "Decremental value" by which bidders shall be permitted to reduce and revise their bid, if they desire to do so.
- vi) At the end of the reverse auction process, suppose the winner (L-1 bidder) offer their final quote against "C" (i.e. Algebraic sum (A + B) in the above table) as Rs. 94,315.20 (denoted by "D" hereinafter), the K-Factor shall be determined as under:

$$K=(D\div C) \text{ i.e. } (94315.20 \div 112000) = 0.8421$$

- vii) 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 item wise final prices of the winner shall be evaluated as under:

S.No.	Item description (supply & installtions)	Quantity	Nos	Amount 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	Item-X	2	Nos	57,000.00	0.8421	47999.70
Total (say)						48000.00

The Final CAMC rates of the L-1 bidder shall be derived by multiplying their AMC quoted rates in the Indicative Price Bid by the Factor "K" calculated as above. Accordingly, CAMC cost of L1 bidder shall be derived as per the illustration mentioned as under:

S.No.	Comprehensive Annual Maintenance Contract after expiry of 1 years warranty period	Nos. of lift	Total AMC Amount quoted in Indicative Price Bid (in Rupees)***	Factor "K"	Final Per Unit Rate (In Rupees)
(1)	(2)	(3)	(4)	(5)	(5) = (4)x(5)
1	2 nd year	2	10,000.00	0.8421	8421.00
2	3 rd year	2	15,000.00	0.8421	12631.50
3	4 th year	2	15,000.00	0.8421	12631.50
4	5 th year	2	15,000.00	0.8421	12631.50
Total					46315.50

- viii) The L1 vendor has to submit the item wise price-break of as per above example.

xi) On completion of the E-reverse auction successful bidder shall submit their price break-up for – Section I & II items (CAMC) of price bid in two separate letter head, seal and sign by the authorized person within 48 hours to the SBI/Bank. Initially, work order shall be placed for Section-I to the contractor and after expiry of 1 year warranty/DLP period, the lift OEM has to enter into an agreement with Bank on Bank's standard format for CAMC.

Read & accepted,
SEAL & SIGN of vendor.

ARTICLES OF AGREEMENT

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 its Regional Business Office at Aska represented by authorized officer of SBI. (hereinafter called "the BANK" which expression shall include its successor and assign) of 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 CONTRACTOR") represented by Shri who is authorized to enter this agreement by its Board of Directors on the OTHER PART WHEREAS the Bank is desirous of **Supply and Installation of 8 Passenger Double Entry Car Lift at Regional Business Office, Aska** as stated herein before in clause 1 in the instruction to Tenderer (herein called the "WORKS"

AND WHEREAS the Bank in order to effectively carryout the said works at Sambalpur may engage "ARCHITECT/ CONSULTANT" to prepare premises plans, drawings and specifications describing the works to be executed, to scrutinized the tenders and recommend to the BANK the name of lowest bidding contractor from whom the tenders was received and issue work order to contractor so recommended after having the approval and acceptance thereof from the Bank.

AND WHEREAS the Bank has caused the plans, drawing no ----- and specifications priced schedule of quantities for the said works as per general conditions of contract, special condition of contract and instructions to the tenderer prepared with the assistance of the said Architect/ consultant subject to which the offer of the contractor shall be accepted.

AND WHEREAS the vendor has deposited with the Owner Rs.....as security deposit for the due performance of the Agreement

AND WHEREAS the Bank has issued the work order therefore to the Contractor.

AND WHEREAS the relevant drawings inclusive of the specifications, priced schedule of quantities, conditions of contract, special conditions, additional conditions and instructions to the tenderer (hereinafter collectively referred to as "the said conditions") have been signed by the Parties hereto and vendor has agreed to execute the works upon and subject to the said conditions.

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

2.The Bank shall pay to the vendor the said Contract Amount, or such other sum as shall become payable, at the times and in the manner specified in the said Conditions.

~~3.The term Architect in the said conditions shall mean the said Dynamic Projects (P) Ltd, Kolkata, and in the event of the said Architect ceasing to be the Architect for the purpose of this contract such other person or persons as shall be nominated for the purpose by the Bank. Provided always~~

~~that no person subsequently appointed to the Architect under this contract shall be entitled to disregard or over rule any decision or approval expressed in writing by the outgoing Architect for the time being if the same had been done under instruction from the Bank.~~

4 The Plans, Agreements and Documents mentioned herein shall form the basis of this Contract and all disputes to be decided in the manner prescribed in the conditions attached hereto.

5. The said contract comprises of the Supply and Installation of Double Entry Car Lift at Regional Business Office, Aska and all subsidiary works connected there within the same site as may be ordered to be done from time to time by the said Bank even though such works may not be shown on the drawings or described in the said specifications or the priced Schedule of Quantities.

6. Notwithstanding what are stated in the Special conditions, Conditions of contract and herein before stated the Bank through the Architect reserves to itself the right of altering the drawings and nature of the works and of adding to or omitting any items of work or of having portions of the same carried out departmentally or otherwise and such alterations or variations shall be carried out without prejudice to this contract.

7. The Vendor / Contractor shall promptly notify SBI of any changes in the constitution of their firm. It shall be open to SBI to terminate the agreement on the death, retirement, insanity or insolvency of any person/s is being director/s or partner/s in the said company / firm, or on the addition or introduction of a new partner without the previous approval in writing of SBI. But in absence of and until its termination by SBI as aforesaid, this agreement shall continue to be of full force and effect notwithstanding any changes in the constitution of the firm by death, retirement, insanity or insolvency of any of its partners or the addition or introduction of any new partners. In case of retirement / death, the surviving or remaining partners of the firm shall be jointly and severally liable for the due and satisfactory performance of the terms and conditions of the agreement.

8. The Contractor agrees and hereby keeps the Bank indemnified against all claims, actions, loss, damages, reputation loss, costs, expenses, charges, including legal expenses (Attorney, Advocates fees included) which the Bank may suffer or incur on account of any deficiency in Services rendered by The Contractor or breach of any obligations under this contract, including without limitation, breach of confidentiality obligations or any acts of commission / omission on the part of employees, agents, representatives or Sub Contractors of the Contractor. The Contractor agrees to make good the loss suffered by the Bank.

9. The said conditions shall be read and be treated as forming part of this Agreement and the parties hereto will respectively be bound thereby and to abide by and submit themselves to the conditions and stipulations and perform the same on their parts to be respectively observed and performed

10. Any dispute arising under this agreement between the parties hereto shall be dealt with in accordance to clause No. 34 of Arbitration as mentioned in the general conditions of contract

IN WITNESS WHEREOF THE EMPLOYER 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
(Employer)

hand of Shri _____

(Signature of Employer)

(Name and Designation)

In the presence of :

1) Shri / Smt. _____

(Signature of Witness)

Address _____

(Witness)

SIGNED AND DELIVERED by the

_____ by the
(Contractor)

(Signature of Contractors)

in the presence of :

Shri / Smt. _____

(Signature of Witness)

Address _____

(Witness)

INSTRUCTION TO THE BIDDER

1.0 NAME OF WORK

Supply and Installation of 8 passenger Double Entry Car Lift at Regional Business Office, Aska.

2.0 INVITATION OF BIDS

SBI invites items rate tender through by E-tendering System followed by E-reverse auction from the SBI (LHO, Bhubaneswar) approved Electrical contractor under LT category Group-EA, EB & EC category (newly empaneled in the year 2020) are only eligible to participate in this tender. Contractor should possess valid digital signature for this e-tender.

3.0 REGISTRATION OF BIDDERS

The Bank's approved Bidders/contractors shall have to register online on website <https://tenderwizard.com/> for submission of their price Bid and participation in e-Reverse auction. Bidders should have Digital Signature Certificate for submission of bid.

4.0 DOWNLOADING BID DOCUMENTS FROM THE WEB SITE

The Bidders/contractors may download Tender Document from SBI website <https://bank.sbi> under "Procurement News" Link. Bidders/contractors must keep track of any corrigendum and/ or addendum or any change in the schedule or any other relevant information issued in respect of the subject tender by SBI.

5.0 AMENDMENT TO BID DOCUMENTS

At any time prior to the deadline for submission of Bids, SBI may, for any reason, whether at its own initiative or in response to a clarification sought by any prospective bidder, modify the bidding documents by amendment / addendum/corrigendum.

The corrigendum/amendment will be issued /published in website <https://bank.sbi> <procurement news> only. Bidders shall be solely responsible to check the web site for the amendment issued in shape of Corrigendum and/or Addendum up to last date of submission of bid.

6.0 CLARIFICATION ON BIDS

To assist in the examination, evaluation and comparison of the technical bids, SBI may, at its discretion, ask the Bidder for a clarification on its Bid. No change in price of the Bid shall be sought, offered or permitted. If required, SBI reserves the right to ask the bidders to submit supplementary documents to support the documents already submitted by the bidder.

SBI reserves the right to conduct joint post bid discussion after opening the technical bids, for clarification on technical bid and may amend the technical bid requirements so as to bring all the bidders on to a common platform and any amendment shall be available on Bank's website <https://bank.sbi> <procurement news> and <https://tenderwizard.com/>

7.0 SUBMISSION OF BIDS

The Technical bid (Part-1) and Indicative price bid (Part-II) will have to be submitted online within the time specified in the NIT schedule. Date and time of e-reverse auction shall be intimated in due course to the eligible bidders post technical evaluation.

(a) Technical Bid:

7.1 The Technical bid & Indicative price bid shall be submitted online.

7.2. E-reverse auction shall be conducted among technically qualified bidders.

7.3 The Technical Bid (Part I) of the tender as submitted must contain the scan copy of the following:

- i) Rs.19,600.00 (Rupees Nineteen Thousand Six Hundred Only) in form of Demand Draft in favour of "State Bank of India" payable at Berhampur, issued by a scheduled Bank in India. Those empaneled electrical contractor's under LT category submitted their one time EMD the Bank towards LT category EA, EB category, need not to submit the EMD again. However, the copy of the one-time EMD to be submitted in a separate envelope super-scribing "One Time EMD". Without EMD/one time EMD, the tender will be rejected. EMD shall be converted into SD for successful Contractor, whose tender is accepted. Contractors having valid NSIC/MSME certificate are exempted for submission of EMD.
- ii) Letter of Undertaking with the seal of the company/firm in the name of the person signing the tender documents.
- iii) Technical parameter Annexures-9 in company/firm letter head duly signed & stamped
- iv) Authorization letter from any approved Lift OEMs for participation in this tender.
- v) Complete tender document duly signed and stamped in each pages.

Technical bids not accompanied with anyone or more documents mentioned above may be summarily disqualified and such bidder will not be liable to participate in price bidding.

(b) Online Price Bid (Indicative & E-reverse auction):

7.4 The bidders shall submit their indicative price. Those bidders, who qualified in technical evaluation shall only eligible to participate in submission of indicative price bid and e-reverse auction via <https://tenderwizard.com/SBIETENDER>. The Name of the e-tendering agency engaged by SBI is mentioned below:

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

7.5. The rates as given in the schedule shall be quoted both in words and in figures. The bidder is required to check the prices/amount carefully before filling the financial bids.

8.0 SUBMISSION OF EARNEST MONEY DEPOSIT (EMD)

The bidder will have to submit Earnest Money Deposit (EMD) of Rs.19,600.00 (Rupees Thirty Thousand Five Hundred Only) in form of Demand Draft in favour of "State Bank of India" payable at Berhampur, issued by a scheduled Bank in India. No interest shall be paid by SBI.

9.0 PROOF OF EMD

Technical bid is liable for rejection in case of non-submission of EMD/One time EMD/valid NSIC/MSME Certificate.

10.0 MANUAL PRICE BID

Manual Price bids shall not be accepted. The offers submitted by Telegram/Fax/email shall not be considered.

11.0 MULTIPLE BIDS

Not more than one tender shall be submitted by one contactor or contractors having business relationship. Under no circumstance will father and his son(s) or other close relations who have business relationship with one another (i.e. when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable for rejection.

12.0 OPENING OF TECHNICAL BIDS

Technical bids will be opened online as per NIT.

13.0 FINACIAL BID

- Those bidders, who qualified in technical evaluation shall only eligible in submission of indicative price bid online and further e-reverse auction online through website <https://tenderwizard.com/SBIETENDER>
- The date and time of e-reverse auction shall be communicated to all the qualified bidders on their official E-mail address given in the bid document.

14.0 VALIDITY OF BIDS

Tenders submitted by bidders shall remain valid for acceptance for a minimum period of Ninety (90) days from the date of final price discovery after opening of price bid.

15.0 CONDITIONAL BIDS

Conditional bids would be summarily rejected.

16.0 RECIEPT OF SINGLE OR NO BIDS

In case no bid is received, or any other reason whatsoever, SBI may at its sole discretion cancel the whole tendering process or extend the last date and time of submission of the bid.

17.0 PRE-BID MEETING

For any clarification on the Bidding Document, bidders need to submit the queries on cmhr.zober@sbi.co.in within the stipulated date and time.

Note: Only written queries submitted by the bidders within stipulated date and time shall be discussed and clarified in the meeting.

18.0 SUBMISSION OF DISCOUNT LETTER

Any separately submitted discount letter on the financial price shall not be considered by SBI and shall be a ground for disqualification. Evaluation of financial bid shall be considered only on the quoted price in the financial bid submitted by the bidders.

19.0 CONTACT PERSON

In case of any query, you may contact any of the following officials by mail on cmhr.zober@sbi.co.in & bodduri.pratap@sbi.co.in; Ph: 9937337964.

20.0 EARNEST MONEY DEPOSIT (EMD)

Bidder should pay specified amount towards Earnest Money deposit as follows:

- Rs.19,600.00 (Rupees Nineteen Thousand Six Hundred Only) in the form of Demand Draft/Pay Order drawn on any Nationalized /Schedule bank in favour of “State Bank of India” payable at Bhubaneswar.
- EMD will not carry any interest.
- EMD of unsuccessful bidders will be refunded within 30 days from the date of opening of price bid.
- **The Earnest Money Deposit submitted by the bidder may be forfeited if,**
 - (a) Successful bidder fails to deposit security Deposit/ performance guarantee within the period specified in the tender.
 - (b) Successful bidder fails to execute an Agreement within specified time as per intimation/request of the SBI,
 - (c) Successful Bidder withdraws his tender or backs out after acceptance,
 - (d) Bidder withdraws his tender before the expiry of validity period stipulated in the bidding document,
 - (e) Bidder violates any of the terms and conditions of the tender,
 - (f) Bidder revises any of the items quoted during the validity period,
 - (g) Bidder is found to have indulged in fraudulent practices in the bid submission process.

21.0 SITE INSPECTION

Before submission of offer, the bidders are advised to inspect the site of work and the environments and be well acquainted with the actual working and other prevalent conditions, facilities available, position of material and labour, means of transport and access to Site, accommodation, etc. No claim will be entertained later on the grounds of lack of knowledge of any of these conditions.

22.0 SCOPE OF WORK

Contractor's scope of the contract shall comprise of Design, Manufacture, providing equipment's, components, materials, labour, supervisory staff with infrastructure, Tools & Procedures, clean dry and damage free storage, scaffolding, consumables, testing, commissioning etc. including whitewash of lift shaft, supply and fixing of 100/150 ISM beam, ACP fixing in lift fascia all floors and any works required for completion of **8 passenger Double Entry Car Lift at Regional Business Office, Aska** as per the contract Agreement and Free Comprehensive Maintenance for guarantee period of **One year after project completion. Contract Rates shall be deemed to be inclusive of all direct and indirect expenses required to be incurred as per this scope.**

Detailed Scope of Work shall be referred by the Contractor as per “Technical Specification for Gearless Passenger Lift “mentioned in the tender, Clause 3.0 of SCC and Annexure-9.

23.0 COMPLETION PERIOD

Complete work of both the sites shall be completed within Sixteen (16) Weeks from the date of issue of Letter of Intent/Work order as per the following Schedule.

27.0 AWARD OF WORK

- Time allowed for carrying out the work, as mentioned above, shall be strictly observed by the bidder. The work throughout the stipulated period of the contract should proceed with all the due diligence and if the contractor fails to complete the work within the specified period, he shall be liable to pay liquidated damages as defined in "Clause 17.2 & 17.4 of SCC" of the contract.
- The tenderer shall, before commencing the work, prepare a detailed work programme which shall be approved by the SBI. The tenderer shall indicate the time schedule as per the broad items of work listed above.
- The contractor shall submit a Bar Chart for completion of the work within the contractual completion period from the 15th day of letter of intent. Such chart shall include all activities like the date of supply of material at site, item wise completion of work etc., and obtain the approval of the SBI.

23.1 VIRTUAL COMPLETION CERTIFICATE

The SBI will issue suitable virtual completion certificate after completion of all lifts in all respect including handing over the same to SBI for operational use and electrical inspection certificate from competent authority of the Odisha State or any other approval/NOC required if any for operational use. The warranty period of one year shall be reckoned from the date of virtual completion certificate by SBI.

24.0 ACCEPTANCE / REJECTION OF BID

SBI reserves the absolute right to reject any or all the Bids at any time solely based on the past unsatisfactory performance by the bidder(s). The opinion/decision of SBI regarding the same shall be final and conclusive.

GENERAL CONDITIONS OF THE CONTRACT (GCC)

INTERPRETATIONS / DEFINITIONS

In construing these conditions and Interpretations Specifications, Schedule of Quantities and Contract Agreement the following words shall have the meanings herein assigned to them except where the subject or context otherwise requires:

1. Owner/Employer/Bank/SBI - shall mean State Bank of India (client) a body Corporate created under SBI Act 1955, having its Corporate Centre at State Bank Bhavan, Madame Cama Road, Mumbai-400021 (shall include his/ their representative(s)/assign(s)/successor(s).
2. Engineer-in-charge/ - Shall means the authorized representative of Bank for getting the work executed at site. Representative of Owner
3. Contractor / Bidder/ Vendor/Agency - shall means and include the person(s)/firm, company whose tender has been accepted by SBI and includes the Contractor's legal representatives, successors and permitted assign.
4. Contractor's Representative - shall means the person duly appointed by the Contractor to act for and on its behalf on a day-to-day basis during the construction of the Work and the Project. Any action to be taken by the Contractor may be taken on the Contractor's behalf by the Contractor's Representative.
5. Acceptance of Tender - shall means the acceptance of tender issued by the SBI or its authorized representative(s) to the tenderer.
6. Contract - shall means the documents forming the tender and the acceptance there of and the formal agreement executed between SBI (client) and the Contractor, 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
7. Site - shall means the lands and other places under, over, on, in or through which the Works are to be executed and any other lands or places provided by SBI for the purpose of the execution of the Works.
8. Work and Scope of Work - shall means the totality of the work by

- expression or implication envisaged in the contract.
9. Drawings
 - “Drawings” means the drawings referred to in the Specifications or Bills of Quantities and any modification of such drawings approved in writing by the SBI and such other drawings as may from time to time be furnished in writing or approved in writing by SBI.
 10. Bill of Quantities
 - “Bill of Quantities” means the priced and Completed bill of quantities forming part of the Contract;
 11. Contract sum
 - “Contract Sum” means the total of the priced Bills of Quantities at the date of acceptance of the Tender for the Works or the sum as updated subsequently as per the terms & conditions of the Contract.
 12. Contract Value
 - “Contract Value” means the total amount of Bill of Quantities of site i.e. 8 passenger Lift at RBO, Aska excluding AMC charges.
 13. Specification
 - shall means the specifications referred to in the Contract and any modification thereof or addition thereto as may from time to time furnished in writing or approved in writing by SBI.
 14. IS / BIS
 - Shall mean Indian Standard as issued by the Bureau of Indian Standard Institution. Wherever reference is made to “IS” it shall mean the relevant “IS” code on the subject with latest up to date amended edition at the time of award of work.
 15. Approved/Approval
 - Approved/Approval shall mean and include approved/approval accorded by the SBI in writing.
 16. Approved Equal
 - Approved Equal shall mean an alternative product or service approved by the SBI as being equivalent to that specified in the Contract Documents.
 17. Basic Rate – Material
 - Basic Rate shall mean the landed cost at site including royalties, cartage, handling etc. but excluding all taxes, wastage etc.
 18. Temporary Works
 - Temporary works mean all temporary works of every kind required for the execution of the works by the Contractor.
 19. Urgent Works
 - “Urgent works” shall mean any urgent measures which in the opinion of SBI becomes necessary during the progress of the work to obviate any risk of accident or failure or which become necessary for

security for completing the overall project within the stipulated time.

20. Miscellaneous

- The words indicating person or parties, shall include firms & corporations and any organization having legal capacity/entity. The words indicating the singular only, shall also include the plural and vice versa as the context may require.

1.0 EXECUTION OF CONTRACT AGREEMENT

This contract shall be governed by the Indian Laws in-force for the time being. The contract is confidential and must be strictly confined to the purposes of the contract. The Contractor's responsibility under this contract commences from the date of issue of the Letter of Intent /work order by SBI. The Contractor shall submit an unconditional acceptance to the Letter of Intent/Work order within the period stipulated therein.

The Contractor shall be required to execute an agreement in the SBI prescribed form, on a non-judicial stamp paper of amount as per Odisha Stamp Duty Act. within 14 days from the issue of LOI/Work Order. The contract agreement shall be signed by a person duly authorized/empowered by the Contractor.

2.0 ABNORMAL RATES

The bidder is expected to quote rate after careful analysis of cost involved considering all specifications and conditions of contract. In case it is noticed that the rates quoted by the bidder are unusually high or unusually low, it will be a sufficient ground for rejection of the tender unless the reasonableness of the rates is convincing. For scrutiny, the analysis for such rates is to be furnished by the bidder on demand.

3.0 DISCREPANCIES AND ADJUSTMENT OF ERRORS

The several documents forming the contract are to be taken as mutually explanatory of one another. In case of non-availability / discrepancy the following order of precedence shall be observed:

- Drawing (Detailed drawing being followed in preference to small scale drawings and figured dimensions in preference to scale drawings).
- Particular specifications /General Conditions /Special conditions if any.
- Description in Bill of Quantities.
- CPWD Specifications /I.S. Codes
- Provisions of NBC

(However, no mandatory requirements of any code /law enacted by the Govt. Authorities shall be violated.)

4.0 ACCESS FOR SBI REPRESENTATIVE /CONSULTANT TO THE WORKS

The SBI's Representative /Consultant shall at all times have access to the Work and the Site and to the workshops or other places of the Contractor where the Work is to be so prepared and in workshops or other places of Sub-Contractors and suppliers. The Contractor shall by a term in its Sub-Contracts so far as legally possible, secure a similar

right of access to those workshops or places for the SBI /Consultant and shall do everything for the purposes of carrying out inspections to ascertain and ensure that work is being carried out in conformity with the Contract Documents or for any other purpose in connection with the Work under the Contract during the progress of the work and Defect Liability Period.

5.0 CONTRACTOR'S QUALITY & SAFETY CONTROL PLAN

All work shall be carried out strictly in accordance with the safety and quality plans.

6.0 ASSIGNMENT/SUB LETTING

The Contractor shall ensure that all Sub-Contractors, engaged by him, exercise all such skill, care and technical competence and possessed a high standard within their respective professions or trades as is appropriate and required for the satisfactory execution of their work and services.

The Contractor shall not assign/sublet any part of this Contract to any other Contractor. The SBI / Consultant reserves the right to review and approve each Sub-Contractor which the Contractor recommends at any time to engage to perform any services before such Sub-Contractor is hired or performs any service.

The Contractor shall be responsible for the care of the Work and Proper management and supervision of entire work to be executed as per the Contract including the work(s) executed through the Sub- Contractors.

7.0 CARE OF WORKS

8.0 PROTECTION TO PERSONS AND PROPERTY

The Contractor shall, except if and so far as the contract provides otherwise, indemnify the SBI and SBI against all losses and claims in respect of injuries or damage to any persons or material or physical damage to any property whatsoever which may arise out of or in consequence of the execution of the Works and against all claims, proceedings, damages, costs, charges and expenses whatsoever in respect of or in relation thereto except any compensation or damages for or with respect to:-

- The permanent use or occupation of land by the Works or any part thereof.
- The right of the SBI to execute the works or any part thereof on, over, under or through any land.
- Injuries or damage to persons or property resulting from any act or neglect of the SBI, his agents, servants or other Contractors, not being employed by the Contractors, or for or in the respect of any claims, proceedings, damages, costs,, charges and expenses in respect thereof or in relation thereto or where the injury or damage was contributed to by the Contractor, his servants or agents such part of the compensations as may be just & Equitable having regard to the extent of the responsibility of the SBI, his servants or agents or other contractors for the damage or injury.

All these insurance policies should be full premium paid and valid for the entire contract stipulated/ extended period of completion of work. Such insurance policies should be specific to this project.

9.0 ACCIDENT OR INJURY TO WORKMEN

The SBI shall not be liable for or in respect of any damages or compensation payable at law in respect or in consequence of any accident or injury to any workman or other person in the employment of the Contractor or any sub-Contractor, except an accident or injury resulting from any act or default of the SBI, his agents, or servants. The Contractor shall indemnify and keep indemnified both SBI as well as SBI against all such damages and compensation, except as aforesaid against all claims, proceedings costs, charges and expenses whatsoever in respect thereof or in relation thereto.

The Contractor shall insure against such liability with an insurer approved by the SBI, which approval shall not be unreasonably withheld, and shall continue such insurance during the whole of the time that any persons are employed by him on the Works and shall, when required, produce to the SBI or their representative, such policy of insurance and the receipt for payment of the current premium. Provided always that, in respect of any persons employed by any sub- Contractor, the Contractor's obligation to insure as aforesaid under this sub-clause shall be satisfied if the sub-Contractor shall have insured against the liability in respect of such persons in such manner that the SBI is indemnified under the policy, but the Contractor shall require such sub-Contractor to produce to the SBI, when required, such policy of insurance and the receipt for the payment of the current premium.

10.0 REMEDY ON CONTRACTOR'S FAILURE TO INSURE

If the contractor fails to effect and keep in force the insurance referred to above in Clause 8.00 and 9.0 or any other insurance which he may be required to effect under the terms of contract, then and in any such case the SBI may effect and keep in force any such insurance and pay such premium or premiums as may be necessary for that purpose and from time to time deduct the amount so paid by the SBI as aforesaid from any amount due or which may become due to the contractor, or recover the same as debt from the Vendor.

Without prejudice to the others rights of the SBI against contractor. In respect of such default, the employer shall be entitled to deduct from any sums payable to the contractor the amount of any damages costs, charges, and other expenses paid by the SBI and which are payable by the contractors under this clause. The contractor shall upon settlement by the Insurer of any claim made against the insurer pursuant to a policy taken under this clause, proceed with due diligence to rebuild or repair the works destroyed or damaged. In this event all the monies received from the Insurer in respect of such damage shall be paid to the Vendor and the Vendor shall not be entitled to any further payment in respect of the expenditure incurred for rebuilding or repairing of the materials or goods destroyed or damaged.

11.0 DETERMINATION OF CONTRACT

SBI may without prejudice to any other right or remedy which shall have occurred or shall accrue thereafter to SBI, cancel/determine the contract in part or whole in any of the following cases:

If Contractor:

- Being an individual, or if a firm, any partner thereof shall at any time be adjudged insolvent or have receiving order or orders for administration of his estate made against him or shall take any proceedings for liquidation or composition under any Insolvency act for the time being in force or made any conveyance or assignment of his effects or composition or arrangement for the benefits of his creditor or purport so to do or if any application be

made under any insolvency Act for the time being in force for the sequestration of his estate or if a trust deed be granted by him for and on behalf of his creditors, or,

- Being a company shall pass a resolution or the court shall make an order for the liquidation of its affairs or a receiver or manager on behalf of the debenture holders shall be appointed or circumstances shall arise which entitle the court or debenture holders to appoint a receiver or Manager, or, Assigns, transfers or sublets or attempts to assign transfer or sublet any portion of the works without the prior written approval of SBI, or,
- Makes defaults in commencing the work within a reasonable time from the date of handing over of the site and continues in that state after reasonable notice from SBI, or,
- In the opinion of SBI at any time whether before or after the date or extended date for completion makes defaults in proceeding with the works with due diligence and continues in that state after reasonable notice from SBI or,
- Fails to comply with any of the terms and conditions of the contract after reasonable notice in writing with directions properly issued thereunder, or,
- Fails to clear the site on or before the date of completion.
- Fails to Complete the work as per Scope of Work defined in SCC Clause No. 3.0

When the contractor has made himself liable for action under any of the cases as defined in above paras, SBI may exercise his authority:

- To cancel /determine the contract after giving a notice in writing to the contractor. Upon such determination, the Earnest Money Deposit, Security Deposit already recovered & Performance Guarantee under the contract shall be forfeited & shall be absolutely at the disposal of SBI.
- SBI shall have the authority to take up such whole or the balance unexecuted works, out of the hands of the contractor after recording measurements of the work executed by the contractor till that stage, after giving due notice & get the such left over.
- Work completed through any another contractor.

In the event of the above action taken by SBI, the contractor shall have no claim to compensation for any loss sustained by him by reasons of he is having purchased or procured any material or entered into any engagements or made any advances on account or with a view to the execution of the work or the Performance of the contract and in case action is taken under any of the provision aforesaid, the contractor shall not be entitled to recover or to be paid any sum for any work thereof or actually performed under this contract, unless & until the SBI/Consultant has certified in writing the performance of such work & the value payable in respect thereof & he shall only be entitled to be paid the value so certified.

12.0 NUISANCE

The contractor shall not, at any time, do, cause or permit any nuisance on the site or do anything which shall cause unnecessary disturbance or inconvenience to the SBI, tenants or occupiers of other properties near the site and to the public in general. The Contractor shall at no stage allow any activities at site which are violation of law as applicable.

13.0 WORKING HOURS

The normal working hours shall be strictly as approved by SBI with weekly rest to the labour.

However, if the contractor intends to either work in more than one shift or to work extra hours so as to complete the project within the stipulated time, then he may do so with prior permission of the SBI but without any extra payment to him on this account. No female workers would be allowed to be employed after 6:00 PM.

If the Contractor is required to work at night in order to complete the work within the Time Schedule, the Contractor shall do so with the prior approval of SBI and provide and maintain at his own cost sufficient lights to enable the work to proceed satisfactorily without danger. Approaches to the site also shall be sufficiently lighted by the Contractor. No work at night shall be allowed in the absence of a site engineer of the Contractor.

No work shall be done on National holidays without the specific sanction in writing of SBI.

14.0 MEASUREMENTS

The Contractor will be required to submit his bills. On receipt of the bill, the same will be checked for its measurements/Quantities & Qualities for which the contractor shall extend all required facilities & assistance. The authorized representative of the contractor should be present for such joint measurement & should sign the same in token of his acceptance. In case the authorized representative does not make himself available at the time of record of such measurement, then the same will be checked & recorded by SBI/ Consultant & the same shall be binding on the contractor.

15.0 CONTRACTOR LIABLE FOR DAMAGES, DEFECTS DURING DEFECT LIABILITY PERIOD

If the contractor or his working people or servants shall break, deface, injure or destroy any part of building in which they may be working, or any building, road, road kerb, fence, enclosure, water pipe, cables, drains, electric or telephone post or wires, trees, grass or grassland, or cultivated ground contiguous to the premises on which the work or any part is being executed, or if any damage shall happen to the work while in progress, from any cause whatever or if any defect, shrinkage or other faults appear in the work within Twelve Months (12) after a certificate final or otherwise of its completion shall have been given by SBI as aforesaid arising out of defect or improper materials or workmanship the contractor shall upon receipt of a notice in writing on that behalf make the same good at his own expense or in default SBI cause the same to be made good by other workmen and deduct the expense from any sums that may be due or at any time thereafter may become due to the contractor, or from his security deposit or the proceeds of sale thereof or of a sufficient portion thereof.

16.0 LABOUR LAWS TO BE COMPLIED BY THE CONTRACTOR

- The contractor shall obtain a valid licence under the Contract Labour (R&A) Act, 1970, and the Contract Labour (Regulation and Abolition) Central Rules, 1971, before the commencement of the work, and continue to have a valid license until the completion of the work. The contractor shall also abide by the provisions of the Child Labour (Prohibition and Regulation) Act, 1986.
- The contractor shall also comply with the provisions of the building and other Construction Workers (Regulation of Employment & Conditions of Service) Act, 1996 and the building and other Construction Workers Welfare Cess Act, 1996.
- The contractor shall comply with all the provisions of the Minimum Wages Act, 1948, and Contract Labour (Regulation and Abolition) Act, 1970, amended from time to time and rules framed thereunder and other labour laws affecting contract labour that may be

brought into force from time to time.

Any failure to fulfill these requirements shall attract the penal provisions of this contract arising out of the resultant non-execution of the work.

No Labour below the age of fourteen years shall be employed on the work.

SBI may require the contractor to dismiss or remove from the site of the work any person or persons in the contractors' employ upon the work who may be incompetent or misconduct himself and the contractor shall forthwith comply with such requirements. In respect of maintenance/repair or renovation works etc. where the Labour have an easy access to the individual houses, the contractor shall issue identity cards to the labourers, whether temporary or permanent and he shall be responsible for any untoward action on the part of such Labour.

17.0 CONTRACTOR TO INDEMNIFY SBI AND SBI AGAINST PATENT RIGHTS

The contractor shall fully indemnify and keep indemnified SBI against any action, claim or proceeding relating to infringement or use of any patent or design or any alleged patent or design rights and shall pay any royalties which may be payable in respect of any article or part thereof included in the contract. In the event of any claims made under or action brought against SBI in respect of any such matters as aforesaid, the contractor shall be immediately notified thereof and the contractor shall be at liberty, at his own expense, to settle any dispute or to conduct any litigation that may arise there from, provided that the contractor shall not be liable to indemnify SBI if the infringement of the patent or design or any alleged patent or design right is the direct result of an order passed by SBI in this behalf.

18. CONFIDENTIALITY

The Contractor shall treat the details of the Contract as private and confidential, except to the extent necessary to carry out obligations under it or to comply with applicable Laws. The Contractor shall indemnify Employer for any loss suffered by them as a result of disclosure of any confidential information. The Contractor shall not publish, permit to be published, or disclose any particulars of the Works in any trade or technical paper or elsewhere without the previous agreement of the Employer.

SPECIAL CONDITIONS OF THE CONTRACT (SCC)

1.0 WORK TO BE EXECUTED AS PER TENDER AND STATUTORY REGULATIONS ETC.

1.1 TENDER DOCUMENT

This tender document, comprising of General Conditions of Contract, Special Conditions of Contract, Technical Specifications, Scope of work, Technical Parameters and tender drawings if any shall form part of the contract Agreement after award of contract. Work under this contract shall be executed at contract rates as per conditions and specifications stipulated in this tender document. In addition, components/materials, which may not be specifically stipulated in the tender document, but which are necessary for satisfactory installation and/or operation of any portion of the work, shall also be provided within the contract rates without any extra cost. Contractor shall carry out and complete the work in all respects to the satisfaction of SBI as per the contract Agreement and as directed by SBI /Consultant and as required.

1.2 TENDER CONDITIONS, SPECIFICATIONS AND SCHEDULE

- Special Conditions of Contract (SCC) shall be read in conjunction with General Conditions of Contract (GCC), Technical Specifications, Technical Parameters, Tender Drawings if any and any other document forming part of this contract Agreement
- Wherever it is mentioned that the Contractor shall perform certain work or provide certain facilities, it is understood that the Contractor shall do so at his cost.
- Where the Technical Specifications stipulate requirements in addition to those contained in the applicable Indian Standard Specifications/Codes, these additional requirements shall also be satisfied.

1.3 DEPARTURES

No deviation/departure from tender conditions shall be acceptable normally.

1.4 AUTHORITIES

The work shall conform to all the provisions of the relevant Government Legislation, Regulations and Bye-laws of the Central/Local Authorities and of the concerned Electricity Supply Authority as per the existing Bye-laws and any amendments happens during the currency of contract. The Contractor shall also be responsible for giving all notices required under the said Acts/Regulations/Bye-laws.

1.5 ELECTRICAL LICENSE

The bidders shall be engaging a licensed Electrical Contractor possessing a valid Contractor's license of appropriate class in the state, employing licensed supervisors and skilled workers having valid permits as per the regulations of Indian Electricity Rules and local Electrical Inspectors requirements. **Copy of Contractor's Electrical license shall be furnished along with the tender.**

1.6 CONTRACTOR'S RESPONSIBILITIES

The Contractor shall have the following responsibilities in carrying out the work and the Project Coordination Services, respectively:

- Contractor shall indemnify SBI as well as SBI for loss suffered by the SBI on account of any act / omission / neglect of the Contractor's, workers, employees, Sub-Contractors etc.
- The Contractor shall comply with all safety standards to the satisfaction of SBI.
- The Contractor shall take full responsibility for the management & supervision of the Sub-contractors.
- The Contractor shall ensure that all Sub-contractors engaged exercise all such skill, care and technical competence as represents a standard within their respective professions or trades as is appropriate for the satisfactory execution of their work and services.
- The Contractor shall not assign this Contract or any part of it; The SBI and Consultant reserves the right to review and approve each Sub—Contract for which the Contractor recommends at any time to engage to perform any services before such Sub-Contractor is hired or performs any services.
- The Contractor shall, on the instruction of SBI, immediately dismiss from the work any person employed thereon by him who may, in the opinion of SBI, be incompetent or who engages in unlawful or disorderly conduct, and such persons shall not be re-employed on the Work without the prior written permission of SBI.

2.0 INTENT OF SPECIFICATIONS

It is not the intent of Technical Specifications to completely specify all aspects of design/construction features of equipment's and all details of work to be carried out. Nevertheless the intent of the Technical Specification is to ensure that the equipment's and the work shall fully comply with and conform to the relevant Bureau of Indian Standard

Specifications, Codes of Practice, NBC, Indian Electricity Act, Indian Electricity Rules and other Statutory Regulations, and other standards as may be applicable and to the best available standards of engineering, design and workmanship. The equipment and work shall perform in manner acceptable to SBI who shall interpret meaning of the applicable Specifications/Codes and shall have the right to reject any equipment or work, which, in their assessment, is not complete to meet the Standard/Code.

The major items that are proposed to be retained are provided in Annexure-9 (technical parameters of the tender). Any items that are not specified in this list shall have to be replaced/provided for as per the detailed technical specifications and particular technical parameters specified in this document.

3.0 SCOPE OF CONTRACT:

Contractor's scope of the contract shall comprise of Design, Manufacture, providing equipment's, components, materials, labour, supervisory staff with infrastructure, Tools & Procedures , clean dry and damage free storage, steel scaffolding, consumables, testing, commissioning etc. required for completion of the work as per the contract Agreement and Free Comprehensive Maintenance for **One year after project completion. Contract Rates shall be deemed to be inclusive of all direct and indirect expenses required to be incurred as per this scope including but not restricted to the costs of the following.**

- Submission of General Arrangement Drawings within the timelines specified in the tender and making all changes thereto as may be reasonably required by SBI as per the advice of its Consultant.
- Design and Fabrication / manufacture of equipment in accordance with the specifications laid down in this tender Agreement.
- Architraves: Granite/ACP to be provided as per SBI instruction at site
- supply and fixing of 100/150 ISM beam
- Supply of materials and equipment for the Lifts as per the specifications given in this tender/BOQ and within the timelines set out in this tender, and storage of all material and equipment at the Site.
- Installation of the Lifts within the stipulated timelines.
- Providing all metal works including ladder, beams and plates required for the lifts if not already provided in the existing machine room/ pits
- Painting of all exposed steel works carried out under the contract with suitable three coats paint as approved by SBI (one coat at works over an anti-corrosive primer and other two coats after installation) and preventing all the wooden surfaces internally and varnish externally to obtain a smooth surface.
- Two dedicated earthing connection up to the Elevator Power/ Control/ Isolation panels located at top floor shall be provided by the Bank for each lift. However, from the panel to motor etc. shall be in the scope of the of Contractor.
- Providing cinder concreting, if necessary, at the machine room floor level or any other place to suitable thickness after laying any piping or troughing for cables etc.
- For all cables connecting the Elevator system to other building communication, alarm, automation or other systems not in the purview of this contract, the Lift contractor shall terminate the cables at a certain location inside the machine room or as specified by SBI and provide terminal diagrams and other necessary drawings for proper connection to the respective systems.
- Providing temporary barricades with caution boards at each landing to prevent accident during execution of work.
- Responsibility to ensure safety of lift material against pilferage and damage till the installation is handed over to SBI.

- All electrical works except bringing in main connection, Shaft light points including Lights and earth connection to the machine room terminated on suitable switch fuse unit/bolt.
- Testing of the Lifts post installation.
- Commissioning and Handover of Lifts along with all ancillary equipment, material, As-built drawings, operational manuals and other literature to SBI upon Completion within the stipulated timelines.
- Civil works as described in **Clause 7.0 below**.
- Project management and monthly reporting till handover of all Lifts.
- Guarantee and rectification of Defects during Defect Liability Period.
- Comprehensive maintenance of the Lifts and ensuring safe operation of the Lifts at all times during the currency of the contract.
- Duly making all requisite statutory filings and payments on behalf of SBI as may be required from time to time for installation and operation of the Lifts, and duly obtaining all Consents / licenses / approvals.
- Time to Time Certificate Training SBI/ SBI's personnel for safe operation of Lifts
- Providing comprehensive maintenance under AMCs for a period of **4 years post the expiry of DLP for on the terms mentioned in the tender**.

3.1 STATUTORY LEVIES

3.2 IMPORT LICENSE

Should any import license be required for import of any item in part or whole, SBI shall not be responsible for procuring the import license. SBI shall not be liable to liaise for or pay any Custom duties, import duties, tax, custom clearance charges, etc. in consequence of import of any item in part or whole. (Bidders are advised to make note of this clause before submitting their price bid).

3.3 CURRENCY FOR FINANCIAL BID AND FURTHER TRANSACTIONS

All transactions by SBI to the contractor shall be in Indian Currency i.e. INR only. The contractor shall be solely responsible for import of any item in part or whole for completion of the subject work. **The quoted prices shall be deemed fixed and any variation on account of fluctuation in FOREX value shall be borne by contractor and the contractor shall take appropriate forward cover. Contractor should indicate prices separately for products and services and taxes in Indian Rupees only.**

4.0 SUBMISSIONS

4.1 ALONG WITH THE TENDER

Technical Parameters enclosed as Annexure-9 needs to be duly signed and submit by the Bidders of the equipment offered.

4.2 OPERATION & MAINTENANCE MANUALS, CIRCUIT /CONNECTION DIAGRAMS

4.3 ON SITE/CLASS ROOM TRAINING

Time to time Certificate Training of SBI personnel on safe operation, handling and general upkeep of equipment shall be undertaken by the contractor. Also emergency rescue trainings shall be provided to the Lift operators and technical staff deployed by SBI. This has to be done at-least once before handover of equipment, twice before expiry of defects liability period and every year during the paid AMC period.

4.4 BAR- CHART FOR EXECUTION OF WORK

The Contractor shall submit a BAR Chart if desired by the Bank, which shall indicate the

planning for the execution of the entire work under the contract within the stipulated time given for completion. This shall be scrutinized by SBI/ CONSULTANT. The mutually agreed BAR-CHART shall be binding on the Contractor for progress of the work & for completion by the due date.

5.0 PROJECT EXECUTION & MANAGEMENT

The contractor shall arrange to have mechanized and modern facilities of transporting and storage of material to place of installation for speedy execution of work including:-

- Loading, transportation and unloading.
- Protection of stored materials/installed work against damage due to dirt, sun, water, damage by rodents and rain including providing tarpaulin/ PVC sheet covers as required.
- Providing security arrangements/watch and ward for stored materials and installed works to guard against pilferage/damage.
- Third party insurance of adequate amount.

6.0 STATUTORY REQUIREMENTS FOR OBTAINING CLEARANCES / CERTIFICATE FROM AUTHORITIES

The contractor shall be responsible to coordinate with the authorities towards scrutiny, electrical inspection certificate and obtaining lift license if applicable for the Odisha State. However, the required license fee shall be deposited by SBI online with the concerned department and all necessary document required to seek permission shall be provided by the Bank.

6.1 The Contractor's responsibilities includes:-

- Obtaining approval for installation of Lift System if required.
- Obtaining approval and NOC for satisfactory installation of the Lift system as also for clearance to put the Lift into regular use if required.
- Obtaining any other statutory permission/clearance/approval from concerned authority as required.

6.2 The Contractor shall arrange, stage wise as may be required, for submitting all the required documents and drawings, for execution and installation of the Lifts, their inspection and obtaining approval/ completion certificates with respect to his works, required for use and connection of the utilities and occupation of the building from the concerned statutory Authorities. The Contractor shall obtain and deliver to SBI, on completion of the works, the final inspection and approval from the concerned Authorities including certificate for operation.

The Contractor shall submit all the necessary documents complying with the tender conditions including Test certificates of critical components, technical specification compliances, safety certificates and required coordination at all times to ensure completion of work in totality within the committed timelines.

6.3 Contractor shall deploy workmen comprehensively covered under workmen Insurance policy and holders of Valid ESI Health cards. A register shall be maintained by Contractor/sub-contractor and shall be produced on Demand if asked for by SBI/ Authorities etc. The contractor shall warrant that all actions taken by him in the execution of the contract shall conform to all applicable Local City, State and Central Government laws, Ordinances and Regulations. The Contractor shall defend and keep SBI harmless from loss, cost or damage by reason of any actual or alleged violation of any statutory requirement.

6.4 The bidders shall be engaging a licensed Electrical Contractor/sub-contractor possessing a valid Contractor's license of appropriate class in the state, employing licensed supervisors and skilled workers, erectors and welders having valid permits as per the regulations of Indian Electricity Rules and local Electrical Inspectors requirements.

6.5 If the Contractor fails to comply with the terms of this clause, SBI may affect the insurance and deduct the expenses from any moneys that may be or become payable to the Contractor

or may, at his option, refuse payment of any certificate to the Contractor until the Contractor complies with this condition.

7.0 CIVIL WORKS TO BE DONE BY LIFT'S CONTRACTOR (INCLUSIONS): -

Bidder is expected to inspect the entire site before submitting their bid and provide inputs on any modification that they may have to undertake. Preference will be given for nil or minimum modifications.

Any civil / architectural / structural damage or changes (if any) to walls / floors / architraves / facades / ceilings / doors that the contractor may cause during work process will have to be rectified to its original form at his own cost, risk and responsibility.

Contractor shall provide /carry out the following at his own cost:-

- Securing of the hoist way by way of full height barricades at every floor to avoid accidental/unauthorized entry into the hoist ways during the time of installation work till the handover of commissioned lift to SBI.
- Housekeeping and clearing of work area during the tenure of contract.
- Providing final paint coat to all exposed fabricated steel work and providing matching paint in approved manner over portions of factory painted equipment if damaged during transportation/storage/installation before handing over.
- Demobilization and clearing of all temporary works/ facilities after completion of work at site and cleaning work are before handing over.
- A temporary lockable and waterproof to be prepared by the contractor at the storage space provided by SBI within the site premises for proper storage of new / old lift material. A small room however may be provided by SBI for keeping electronic/electrical components of high value at contractor risk.
- Necessary minor civil works required for installation of lift.

8.0 WORK IN LIFTS CONTRACT (NOT APPLICABLE)

9.0 TESTING

Testing for the various items of equipment shall be performed at the contractor's cost and **test certificate to be furnished by the contractor (for Motor, Machine, Brakes, Buffers, Controller, Wiring & Travelling cables & Steel wire Ropes)**. Landing doors to have **2 hour fire resistance rating. Certificates to be provided.**

10.0 GUARANTEE & MAINTENANCE – DEFECT LIABILITY PERIOD, AMC PERIOD

10.1 GUARANTEE

The lift contractor shall guarantee all equipment parts, materials and workmanship furnished for the Installation against defects for a period of 12 months from the date of Completion and handover of the Works, termed as Defect Liability Period or Guarantee period. In the event SBI agrees for individual / block / stage takeover of lifts, the Defect liability period shall start from the respective dates so certified by SBI.

The lift contractor warrants for a period of 12 months from the date of acceptance virtual completion to replace all failed part or parts exhibiting unusual wear and tear during guarantee period and shall be replaced without any cost to SBI, such replacement shall be factory approved new, equal or better than original. All labour, tools, materials, transportation, insurance, etc. required in performance of guarantee shall be at the lift contractor's expense.

10.2 MAINTENANCE

The lift contractor shall maintain the lift system in a first class and safe manner during

guarantee period and any AMC period. Such maintenance shall be Comprehensive annual maintenance contract for the entire lift system. Responsibility entails monthly Servicing and inspection by the technician including oiling, greasing, checking and top up of lubricants, gear oils in the gear box, adjustments, cleaning, and unlimited call back service including nights, weekends and holidays. Such Contract shall exclude the following items:

Car enclosure, car & Landing door panels, false ceilings, light diffusers, light bulbs, fluorescent tubes, handrails, starters, chokes, mirrors, flooring, carpets, car & landing fixtures, doors, external wiring to elevator & hoist way/machine room/ Located in shaft on top of guide rails.

Call back service shall be provided round the clock 24 Hours, and responded within 2 Hrs. Call backs involving more than one stalled or erratic lift / escalator shall be immediately provided regardless of the time of day or night. Emergency call back service for trapped passengers shall be responded to within 30 minutes. There shall be no compensation for call back service regardless of the hour/ day, etc.

Engineer's Visits for the routine maintenance shall be not less than 1 per month. Preventive maintenance shall be allowed only weekdays or on Saturdays for new multi storied building at Sambalpur.

The lift contractor has to conduct an annual detailed audit to ascertain the state of the lifts with respect to performance parameters, safety and general health. This audit report need to be shared with the client and reviewed before the start of next service calendar year.

The contractor shall coordinate with Lift Licensing Authorities and ensure getting lifts license if required/ electrical inspection certificate, for all the lifts covered under AMC, from Govt. of Odisha. The required license fee shall be deposited by SBI online with the concerned department and all necessary document required to seek permission shall be provided by the Bank. However, liasoning charges if any shall be borne by the contractor.

Also the contractor will maintain a Log book of Parts failed and replaced for each lift with proper analysis of the failure. Any such failure shall be brought to the notice of the Estate / Facility Manager and the corrective action needed to avoid reoccurrence will be done by the contractor.

In case any of the items is required to be taken away for repair, the same shall be subject to the prior written permission of SBI.

Payment for AMC shall be released quarterly by SBI at the end of each quarter on submission of monthly work done certificates by the Contractor.

10.3 SLA'S – DEFECT LIABILITY PERIOD & AMC PERIOD

The SLA's for service during the defect liability period and AMC period if agreed with main contract shall be as under:

- a) Preventive maintenance shall be conducted only during off-peak hours as specified by SBI from time to time
- b) Shut down of any lift for major repair of more than 48 hours will not be accepted and not more than one shut down shall be permitted during a period of 1 year.
- c) Routine monthly preventive maintenance shall be provided for and the period for the same shall not exceed 04 hours per month.
- d) Mantrap calls will have to be responded within 30 minutes at all times
- e) Regular call back shall be responded within 02 hours and rectified within 04 hours from call registration.

11.0 DEFECTS- RECTIFICATION & REPAIRS

Should SBI consider, at any time during the construction or prior to the expiration of the Guarantee/Defects Liability Period, that any work has been executed with unsound or imperfect materials or unskilled workmanship or is of an inferior quality or not otherwise in accordance with the Contract, in respect of which the decision of SBI shall be final, the Contractor shall, on demand in writing from SBI specifying the fault; notwithstanding that the same may have been inadvertently passed, certified and paid for, rectify forth or remove and re-do the defective work so specified, in whole or in part, as the case may require, at their own expense: and in the event of their failing to do so within the period specified by SBI in their demand/direction, SBI may carry out the work by other means at the risk and expense, in all respects, of the Contractor.

12.0 STRUCTURAL & ELECTRICAL REQUIREMENTS

Contractor shall clearly indicate the structural and electrical requirements for the installation of equipment apart from the scope of work if not specified. The structural dimensions shall be measured by the contractor and re-verified for acceptance from SBI before manufacturing of equipment.

13.0 ELECTRIC SUPPLY

Commissioning Electric Supply:- The available system of electric supply is 415 volts 3 phase 4 wire AC 50 Hz system and 220 volts between phase and neutral. Any equipment /component operating at other than the above mentioned power supply shall be provided with necessary transformers/voltage stabilizers. The amount of power required for Lifts shall be indicated in the tender. Power shall be provided at one point to be indicated by the bidder. All subsequent electrical systems shall be deemed to be included in the scope of this contract.

Installation Time Electric Supply: - SBI shall provide free of cost single phase power supply of 220 volts, Single phase AC 50 Hz system at a single point for use of tools and tackles and temporary lighting purpose. However, extension of wiring shall be done by the Contractor accordingly as necessary. Also it is the responsibility of the contractor that the temporary wiring done by them is safe, without any cuts and joints and not posing any shock hazard to other workers and contractors working at site.

14.0 AMBIENT CONDITIONS

All equipment's components and materials used in the work shall be suitable for continuous operation/use at rated output with permissible overload at the extremes of ambient conditions likely to be encountered at site.

Adequate margin shall be built into the design particularly to take care of the higher ambient temperatures, dusty conditions, and high seasonal humidity etc. which is ranging from an ambient of 0 degree Celsius to 50 degree Celsius and relative humidity of 100%.

15.0 WATER

Water for Drinking:-The Contractor shall make his own arrangements of Drinking water for its workmen at site. Nothing extra shall be payable for this.

16.0 SAFETY REGULATIONS

The entire work is to be carried out in existing and fully operational buildings and the contractor shall have to make all necessary and required arrangements to ensure fool-proof safety at all times for the staff, residents and visitors.

The working area required in front of the lift hoist way shall be demarcated and properly barricaded at all times during execution of the work to ensure safe and hassle free passage of staff, residents and visitors of the buildings. A detailed write up on proposed arrangements is required along with tender bid.

The Contractors shall, at their own expense, arrange for safety provisions as per safety

codes of Indian Standards Institution, Indian Electricity Act and such other Rules, Regulations and Laws as may be applicable, as indicated below, in respect of all workmen, labour, directly or indirectly employed in the work for performance of the Contractors' part of this agreement.

- No inflammable materials shall be stored in places other than the rooms specially constructed for this purposes in accordance with the provisions of Indian Explosives Act. If such storage is unavoidable, it should be allowed only for a short period and in addition, special precautions, such as cutting off the supply to such places at normal items, storing materials away from wiring and switch boards, giving electric supply for a temporary period with due permission of SBI shall be taken.
- Protective and safety equipment such as rubber gloves, safety hats, Safety Harness belt etc. should be provided in easily identifiable locations. Where electric or Gas welding or such other nature of work is undertaken, goggles, ISI marked Gas Cylinder apparatus, proper earthing equipment and ELCB shall only be used.
- All necessary personal safety equipment such as Helmets, Protective footwear protective goggles/eye shields, Life Lines and harnesses, Gas masks etc. as considered adequate by SBI shall be used by the contractor/ sub-contractor and workmen employed on the site and maintained in a conditions suitable for immediate use and the contractor shall take adequate steps to ensure proper use of equipment by those concerned.
- All Hoist way where a fall hazard exists shall be secured by the contractor from the date of handover of the hoist way for lift installation. Un-secured hoist way if found by the Site Supervisor / SBI during the work execution shall amount to compromise to site safety. Adequate precautions shall be taken to prevent danger of electrical shock from electrical equipment.
- The Contractor shall provide all necessary barricading, warning Signage and lights to protect public from accidents and shall be bound to bear expenses of defense of every suit, action or other proceedings at law that may be brought by any person for injury sustained owing to neglect of the above precautions and to pay any damages and costs which may be awarded in any such suit, action or proceedings to any such person or which may with the consent of the Contractor be paid to compromise any claim by any such person.
- Tested Chain Pulley Blocks, Hoists, transmission ropes, electric wiring and other dangerous parts of hoisting appliances shall be provided with efficient safe guards; hoisting appliances shall not be loaded beyond it's Safe Working Load and Factor of safety to reduce the risk of accidental descend of load. Adequate precautions shall be taken to reduce to the minimum risk of any part of a suspended load becoming accidentally displaced.
- All scaffolds, ladders, First Aid Equipment's/medicines and other safety devices shall be maintained in a safe condition and no scaffold, ladder or equipment shall be altered or removed while it is in use. Adequate washing facilities shall be provided at or near place of work. Necessary warning sign boards in Red paint on Yellow background with proper lighting arrangements for nights are to be provided at prominent locations.
- Necessary number of caution Symbol board such as "DANGER" should be readily available in easily identifiable locations.
- Standard first aid boxes containing medicines and materials as prescribed by the St. John Ambulance Brigade or Indian Red Cross should be provided in easily identifiable locations and should be readily available. Periodical examination of the first aid facilities for elapse of Expiry date and protective and safety equipment provided shall be undertaken and proper records shall be maintained for their adequacy and effectiveness.
- Shock treatment Charts (one in English and one in regional language) displaying methods of providing artificial respiration to a recipient of electrical shock shall be prominently displayed at appropriate places.
- A chart containing the names, addresses and telephone numbers of nearest authorized medical practitioners, hospitals, Fire Brigade and Police Station also of the

officers in charge shall be displayed prominently along with the First Aid Box.

- Workmen working inside the hoist way shall use proper Safety harnesses, lifelines and rope grabbers as a safeguard to fall hazard. The personnel working in the hoist way shall be duly authorized, trained and certified by the Contractor's Safety department for working at height while suspending inside the hoist way.

17.0 COMPLETION TIME & TIME DELAY PENALTY

17.1 COMPLETION TIME

The entire work of supply and installation of both lifts the projects shall be completed within Sixteen (16) Weeks from date of commencement. The date of commencement is 7 days from date of issue of work order or handover the site, whichever is earlier. Prices to remain firm and free from any escalation till completion of the entire work post finalization of letter of intent

Completion of work shall include supply, installation, testing, commissioning and obtaining the required statutory approvals including ACP works. The work shall not be deemed to be completed till all these items are completed by the Contractor to the satisfaction of SBI and lifts are handed over to SBI fully complete and running in all sense and term.

No materials once delivered at site will be removed by the contractor without prior permission of SBI.

17.2 TIME DELAY PENALTY/ LIQUIDATED DAMAGES

If the completion of the work per above clause 17.1 is delayed beyond the completion period due to reasons considered by SBI to be within the contractor's control, SBI reserve the right to impose time delay penalty @ 0.5% of the contract value per week of delay in completion, limited to a maximum of 5% of the contract value per lift basis which will be deducted from the final bill of the contractor.

17.3 DELAY AND EXTENSION OF TIME

- If in the opinion of the SBI / Consultant, the works is delayed (a) by force majeure or (b) by reason of any exceptionally inclement weather or (c) by reason of proceedings taken or threatened by or dispute with adjoining or neighbouring owners or public authorities arising otherwise than through the Contractor's own default or (d) by the works or delays of other Contractors or Tradesmen engaged or nominated by the SBI / Employer and not referred to in the Schedule of Quantities, and/or Specification or (e) by reason of civil commotion, legal combination of workmen or strike or lock-out affecting any of the building trades or (f) in consequence of the Contractor not having received in due time, necessary instructions from the SBI / Employer for which he shall have specifically applied in writing or (g) from other causes which the SBI / Employer may certify as beyond the control of Contractor or (h) in the event the value of the work exceeds the value of the Priced Schedule of Quantities owing to variation, the SBI / Employer may make a fair and reasonable extension of time for completion of the Contract works. In case of such strike or lock-out the Contractor shall nevertheless constantly use his endeavours to prevent delay and shall do all that may reasonably be required to the satisfaction of the SBI / Employer to proceed with work.
- If, the work be delayed for reasons beyond the control of the Contractor, the Consultant 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 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 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, contractor shall furnish the reasons in detail and his justification along with documentary evidence (copy of relevant pages of hindrance register), if any, for delays. Only that period of extension of time as granted by the employer (on receipt of the application

from the contractor or even in absence of any such application certification as to the reasonableness of the grounds for delay) will qualify for exemption of imposition of liquidated damages. For the balance period in excess of original stipulated period and an authorised extension of time granted by the employer, the provision of liquidated damages as stated under clause 17.4 of SCC will become applicable.

Further, the contract shall remain in force even for the period beyond the due date of completion irrespective of whether the contractor has applied or not, for the grant of extension of time for completion unless the employer decides to terminate the contract. The delay for completion of work for any reason will not entail any right to the contractor to claim any revision of rates or any extra compensation for any reason.

17.4 DAMAGES FOR NON-COMPLETION

For the purpose of reviewing/ monitoring the progress of work, three financial milestones, to be achieved on or before the stipulated time, have been defined below. In case, the contractor does not achieve a particular milestone, if any, mentioned below or rescheduled milestone(s) in terms of time extension clause 17.3 of SCC hereof, the amount shown against that milestone shall be withheld to be adjusted against the liquidated damages levied at the time of completion of contract. Withholding of payments on failure to achieve a milestone shall be automatic and without any notice to the Contractor. No interest whatsoever shall be paid by the Bank on such withheld amount/s.

The application of liquidated damages (withholding of amount) shall not effect a change in the milestone or release the Contractor of his obligation to improve the progress of work.

If the Contractor fails to maintain the required progress of the works and fails to complete the works by the completion time stipulated in the Contractor within any extended time under time extension Clause 17.3 of SCC hereof and the employer certifies in writing that in his opinion the same ought reasonably to have been completed, the Contractor shall pay the SBI / Employer the sum named as "Liquidated Damages" for the period during which the said works shall so remain incomplete and the SBI / Employer may deduct such damages from any moneys due to the Contractor. The contractor hereby specifically agrees and authorizes the Employer to deduct such liquidated damages, if any, from any instalment of payment becoming due and payable to the contractor in terms of this contract or from the retention money."

Milestones Chart

Milestone No.	Milestone Financial Progress Rs.	Time for achieving	Amount to be withheld in case of Non- achievement of the Milestone.
First	70 % of cost per lift.	Delivery of materials at site	
Second	20 % of cost per lift	Installation, testing & Commissioning	
Third	Final 10 % on Full and final value of the work done	16 Weeks from the date of commencement and complying with the technical observations of the Competent State Licensing / operating license./ electrical inspection report as applicable.	LD shall be levied depending upon overall actual extent of delays attributable to the Contractor's actions @ 0.50 % per week of delay per lift subject to a maximum of 5 % of the Contract Value.

18.0 Insurance

The contractor shall take all insurances at his cost to cover all kinds of risks from the time the

lift equipment leaves the manufacturer's works till handing over the lifts to SBI, in the joint names of SBI and the contractor (SBI name being first) and it shall cover the following risk

The Contractor shall obtain Contractor's All Risk Insurance Policy (Value to be 25% higher than contract value) to cover the following:

- Entire contract value including cost of materials.
- Third party insurance to cover for any damages to third party
- Civil commotion, riots, war and other disturbances.
- To cover contractor's liability under Workman's Compensation Act 1923.
- To cover against damage, fire, theft, floods and all other natural calamities or any other loss of all material and equipment to be brought at site.
- The contractor shall ensure against all such liabilities and shall continue such insurance during the whole of the time when any persons employed by him are on the works.

- Workmen compensation policy for all the workmen of the contractor at site.

- Fire risk policy.

- Transit Insurance for transportation from manufacturer's works to site (by air/sea/road etc. as applicable)

Note:

These policies shall be valid till the completion of the entire work. If these policies are not provided by the contractor, SBI reserves the right to take the above insurance policies themselves and/ or recover the cost thereof from the bill of the contractor.

18.1 Insurance of works

Without limiting his obligations and responsibilities under the contract the Contractor shall insure in the joint names of the SBI and the Contractor against all loss of damages from whatever cause arising other than the excepted risks, for which he is responsible under the terms of contract and in such a manner that the SBI and Contractor are covered for the period stipulated in clause 24 of SCC and are also covered during the period of maintenance for loss or damage arising from a cause, occurring prior to the commencement of the period of maintenance and for any loss or damage occasioned by the Contractor in the course of any operations carried out by him for the purpose of complying with his obligations under clause.

- a) The Works for the time being executed to the estimated current Contract value thereof, or such additional sum as may be specified together with the materials for incorporation in the works at their replacement value.

- c) Such insurance shall be effected with an insurer and in terms approved by the SBI which approval shall not be unreasonably withheld and the Contractor shall whenever have required produce to the SBI the policy of insurance and the receipts for payment of the current premiums.

19.0 Damage to persons and property

The Contractor shall, except if and so far as the contract provides otherwise indemnify the SBI against all losses and claims in respect of injuries or damages to any person or material or physical damage to any property whatsoever which may arise out of or in consequence of the execution and maintenance of the works and against all claims proceedings, damages, costs, charges and expenses whatsoever in respect of or in relation thereto except any compensation of damages for or with respect to:

- a) The permanent use or occupation of land by or any part thereof.
- b) The right of SBI to execute the works or any part thereof on, over, under, in or through any lands.
- c) Injuries or damages to persons or properties which are unavoidable result of the execution or maintenance of the works in accordance with the contract
- d) Injuries or damage to persons or property resulting from any act or neglect of the SBI their agents, employees or other Contractor not being employed by the Contractor or for or in respect of any claims, proceedings, damages, costs, charges and expenses in respect thereof or in relation thereto or where the injury or damage was contributed to by the Contractor, his servants or agents such part of the compensation as may be just and equitable having regard to the extent of the responsibility of the SBI, their employees, or agents or other employees, or agents or other Contractor for the damage or injury.

20.0 Contractor to indemnify SBI

The Contractor shall indemnify the SBI against all claims, proceedings, damages, costs, charges and expenses in respect of the matters referred to in the provision sub-clause 19 of this clause.

21.0 Contractor's superintendence

The Contractor shall fully indemnify and keep indemnified the SBI against any action, claim, or proceeding relating to infringement or use of any patent or design or any alleged patent or design rights and shall pay any royalties which may be payable in respect of any article or part thereof included in the contract. In the event of any claim made under or action brought against SBI in respect of such matters as aforesaid the Vendor shall be immediately notified thereof and the Vendor shall be at liberty, at his own expenses to settle any dispute or to conduct any litigation that may arise there from, provided that the Contractor shall not be liable to indemnify the SBI if the infringement of the patent or design or any alleged patent or design right is the direct result of an order passed by the SBI in this behalf.

22.0 Third Party Insurance

Before commencing the execution of the work the Vendor but without limiting his obligations and responsibilities under clause 18.0 of SCC shall insure against his liability for any material or physical damage, loss, or injury which may occur to any property including that of SBI, or to any person, including any employee of the SBI, by or arising out of the execution of the works or in the carrying out of the contract, otherwise than due to the matters referred to in the provision to clause 18.0 thereof.

22.1 Minimum amount of Third Party Insurance

Such insurance shall be affected with an insurer and in terms approved by the SBI which approval shall not be reasonably withheld and for at least the amount stated below. The Vendor shall, whenever required, produce to the SBI the policy or policies of insurance cover and receipts for payment of the current premiums.

The minimum insurance cover for physical property, injury, and death is Rs.5 Lakh per occurrence with the number of occurrences limited to four. After each occurrence Vendor will pay additional premium necessary to make insurance valid for four occurrences always.

23.0 Accident or Injury to workman:

- i. The SBI shall not be liable for or in respect of any damages or compensation payable at law in respect or in consequence of any accident or injury to any workmen or other

person in the employment of the Contractor or any sub- Contractor, save and except an accident or injury resulting from any act or default of the SBI or their agents, or employees. The Contractor shall indemnify and keep indemnified SBI against all such damages and compensation, save and except as aforesaid, and against all claims, proceedings, costs, charges and expenses whatsoever in respect thereof or in relation thereto.

ii. **Insurance against accidents etc. to workmen**

The Contractor shall insure against such liability with an insurer approved by the SBI during the whole of the time that any persons are employed by him on the works and shall, when required, produce to the architect / consultant such policy of insurance and receipt for payment of the current premium. Provided always that, in respect of any persons employed by any sub- Contractor the Contractor's obligation to insured as aforesaid under this sub-clause shall be satisfied if the sub- Contractor shall have insured against the liability in respect of such persons in such manner that SBI is indemnified under the policy but the Contractor shall require such sub- Contractor to produce to the SBI when such policy of insurance and the receipt for the payment of the current premium.

iii. **Remedy on Contractor's failure to insure**

If the Contractor fails to effect and keep in force the insurance referred to above or any other insurance which he may be required to effect under the terms of contract, then and in any such case the SBI may effect and keep in force any such insurance and pay such premium or premiums as may be necessary for that purpose and from time to time deduct the amount so paid by the SBI as aforesaid from any amount due or which may become due to the Contractor, or recover the same as debt from the Contractor.

iv. Without prejudice to the others rights of the SBI against Contractor. In respect of such default, the employer shall be entitled to deduct from any sums payable to the Contractor the amount of any damages costs, charges, and other expenses paid by the SBI and which are payable by the Contractors under this clause. The Contractor shall upon settlement by the Insurer of any claim made against the insurer pursuant to a policy taken under this clause, proceed with due diligence to rebuild or repair the works destroyed or damaged. In this event all the monies received from the Insurer in respect of such damage shall be paid to the Contractor and the Contractor shall not be entitled to any further payment in respect of the expenditure incurred for rebuilding or repairing of the materials or goods destroyed or damaged.

24.0 SECURITY DEPOSIT:

24.01 Security Deposit:

Immediately after the award of work the Contract, the successful Contractor shall submit an unconditional & irrevocable bank guarantee from any Nationalized/Scheduled bank in favor of "AGM (P&E), State Bank of India." payable at "Bhubaneswar" for amount equivalent to 3 % of contract value in the prescribed format provided in Annexure-8 for the due fulfilment of the contract within period of 14 Days. The DD towards earnest money deposit furnished at the time of submission of tender will be returned thereafter. This Bank Guarantee towards security deposit shall be kept valid (renewed as necessary) for the contract completion period up to the date of handing over of the lift installation and a further period of two years thereafter i.e. one year for defect liability period and first year of AMC. In case successful bidder fails to deposit such security deposit within the period specified or any reasonable timeline not exceeding 3 days the SBI reserve the right to cancel the tender and forfeit the EMD.

25.0 FREE MAINTENANCE PERIODS

Quoted rates shall be deemed to be inclusive of, **free comprehensive maintenance (including spares) by the OEM of Lifts for a period of One year** from the accepted date of completion of the contract.

AMC rates post this period have been asked for & shall be quoted in the priced BOQ. Such AMC terms of payment would be quarterly payment on completion of each quarter and final bill for the last quarter would be made post adjustment of any deductions.

26.0 TERMS OF PAYMENT

The payment for the works to be executed under this contract shall be made as follows:

(a) First Stage Payment

70% of the quoted rate per lift against submission of the following:

- i) Unconditional Order Acceptance.
- ii) Bank Guarantee/STDR towards Security Deposit (3% of Contract Amount)
- iii) Test Certificates.
- iv) Delivery of material at site with Certificate from the OEM that all components, parts, sub systems, consumables etc. for successful installation, commissioning and testing of the systems have been received at site in good condition and if any shortfall is noticed during installation, commissioning and testing they will be supplied without any additional charge to the SBI.

(b) Second Stage Payment

20% of the quoted rate pro rata against erection, testing and commissioning.

(c) Final Stage Payment

10% payment shall be released on the vendor's complying with the technical observations of the Competent State Licensing /inspecting authority and submitting copy of license/ statutory permissions/ electrical inspection report as applicable.

26.1 Payment for AMC shall be released quarterly by SBI at the end of each quarter to the OEM after entering into agreement and on submission of monthly work done certificates by the Contractor.

26.2 Initially work order shall be placed to the contract for SITC of lifts only excluding AMC cost. AMC amount will be paid to the OEM after entering into the agreement with Bank after expiry of defect liability period.

27.0 TAXES / DUTIES

The rates quoted shall inclusive of all levies/Duties/taxes/ Charges etc. but excluding GST. Which will be payable extra as applicable at the time of billing.

28.0 TAX DEDUCTION AT SOURCE

Income tax to be deducted at source shall be deducted from your running account bills as per statutory requirements.

It is specific requirement that the Contractor/supplier shall be registered with State Sales Tax Authorities, PF commissioner, Labour Dept. etc. and shall submit a certified copy of same to SBI.

29.0 RIGHT OF TECHNICAL SCRUTINY OF FINAL BILL

The SBI / Employer / Consultant shall have a right to cause a technical examination of the works and the final bill of the Contractor including all supporting vouchers, abstracts etc. to be made at the time of payment of the final bill. If as a result of this examination or otherwise, any sum is found to have been overpaid or over-certified, it shall be lawful for the SBI / Employer to recover the sum.

30.0 SITE VISIT

The bidder at his own responsibility, risk and cost is expected to visit and examine the site of work and its surrounding and obtain all necessary information that may be necessary for preparing the tender bid and entering into a contract.

The bidder shall make all necessary arrangements for the safety of person visiting the site and shall indemnify SBI against any claims arising from such visits.

The bidder shall confirm such visit in the tender bid in which he will bring up the following:

- a) Confirmation of the said site visit
- b) Confirmation that he has understood the entire work
- c) Confirmation that no structural changes would be required
- d) Confirmation that no architectural/civil changes would be required and lift to be installed in the existing Lift well dimension.

31.0 VARIATIONS / ADDITIONAL / ALTERED / SUBSTITUTED ITEMS

No addition, alteration, omission or variation shall vitiate this contract. In case SBI thinks proper, at any time during the progress of the works, to make any alterations in or omission from the works or any alteration in the kind or quality of the materials to be issued therein, SBI, shall give notice thereof in writing well in advance under his hand to the contractor, the contractor shall alter, add to or omit from, as the case may require, in accordance with such notice. The value of such extra alteration, addition or omissions shall in all cases be determined by SBI in accordance with the provisions mentioned below hereof and the same shall be added to or deducted from the Contract amount accordingly, there shall be no limit to any such additions, alterations, omissions & variations which can be effected by SBI to complete the work as per SBI's requirements.

If the altered /additional or substituted work required to be executed as per SBI's requirement for any item(s), of which, there are no established rates in Schedule of Items, the same shall be payable as per the provisions stated hereunder:

- As far as possible rates for such items shall be worked out from agreed Schedule of Items on pro-rata basis.
- In respect of those items, where the basic rate of material is indicated in the description of items, the contractor should quote its rate assuming that indicated basic rate is the prevailing market rate of that particular material. However, such rates would be suitably modified on the basis of actual market rate of the material which shall be procured and provided by the contractor.
- The rate will be modified only by taking into cognizance, the difference in the rate of material as indicated in the item and corresponding market rate of that material including wastage & contractor's profit, whereas all other parameter constituting that rate will remain unchanged.
- If it is not possible to work out such rates, Contractor shall be paid on the basis of labour cost, cost of material used excluding cost of materials being supplied by SBI plus 15% (Fifteen percent) to cover Contractor's profit, supervision, overheads/ establishment, tools, plant, machinery, sundries and contingencies.
- Only GST for work contract shall be paid extra (as per rule) etc.

- SBI's decision regarding labour cost and material cost shall be final and binding on Contractor.

32.0 DEFAULT NOTICE AND TERMINATION NOTICE

(a) **Default Notice** - If an Event of Default occurs, apart from exercising all other rights of the Association under this tender, SBI may give to the Contractor a notice in writing specifying the Event of Default complained of.

(b) **Termination Notice** - If SBI such notice and the Contractor does not cure such Event of Default, if capable of cure or rectification, within thirty (30) days after receipt of such notice, SBI may at its option, in addition to other remedies set forth in this tender or available under law, terminate the contract by written notice to the Contractor.

(c) **Consequences of Termination** - Upon termination of the contract in the manner set out above, the following consequences shall ensue:-

(d) If the Contract is terminated due to default of the Contractor, the mobilization advance would be deemed as interest bearing advance at an interest rate of 18% per annum to be compounded quarterly.

- The Contractor shall ensure that the Site is safe and remains duly secured till takeover of the Works at Site by another person.

- Subject to the above, the Contractor shall cease all further work and remove all personnel and its installation gadgets or tools which may be lying on the Site.

- No further consideration shall be payable to the Contractor. The Contractor shall have no claims whatsoever in respect of any Works already carried out or equipment or materials supplied.

- SBI shall be fully and absolutely entitled to all materials and equipment already supplied by the Contractor, whether already installed or not, and shall be free to use or dispose of all such materials and equipment in any manner that it deems fit.

- Since the lifts are an essential facility in new multi storied building at Sambalpur upon termination, would be constrained to appoint another contractor to complete all pending Works and make all Lifts operational at the earliest, and/ or to maintain the operational lifts. The Contractor undertakes to render all reasonable co-operation and provide all documents and information relating to the Lifts and other equipment supplied by it, as may be reasonably required by SBI or such contractor.

- The Contractor shall be liable to reimburse to SBI the difference between: (a) all costs and expenses incurred by SBI in causing the pending Works to be carried out and other services including maintenance to be provided by other contractors, and (b) the balance consideration that was to be paid to the Contractor under the contract, within 10 days of receipt of such demand from SBI.

- The Contractor shall, in addition to the above, be liable to pay to SBI a sum being equivalent to 5% of Net Amount Payable, within 10 days of termination as and by way of liquidated damages.

33.0 FORCE MAJEURE

Neither 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.

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.

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.

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.

34.0 ARBITRATION / DISPUTE RESOLUTION

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 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 authorized person of SBI 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 AGM (P&E), LHO, Bhubaneswar 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 Vendor shall not be entitled to raise any claim nor shall the SBI 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 AGM (P&E),SBI, LHO, Bhubaneswar, of respective Circle Office, in the manner and within the time as aforesaid. The Vendor shall be deemed to have waived and extinguished all his rights in respect of any claim not notified to the AGM (P&E),SBI, LHO, Bhubaneswar, in writing in the manner and within the time aforesaid.
- ii) The AGM (P&E),SBI, LHO, Bhubaneswar, shall give his decision in writing on the claims notified by the Contractor. The Contractor may within 30 days of the receipt of the decision of the AGM (P&E),SBI, LHO, Bhubaneswar, submit his claims to the conciliating authority namely the Circle Development Officer of respective Circle for conciliation along with all details and copies of correspondence exchanged between him and the SBI
- iii) 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 Chief General Manager 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.
- iv) 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 to the Sole Arbitrator appointed by the Chief General Manager

and who will be an officer not less than the rank of Deputy General Manager of 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 Chief General Manager 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 re-enactment thereof and the rules made there under.

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 Cost of the reference and of the award 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 QUOTED RATES AND EVALUATION OF FINANCIAL BIDS

The Contractor is required to submit their Financial Bids online in the prescribed format i.e. **Section I and Section II provided in Price bid part-2.**

The rates to be quoted by Contractor in the financial bids shall be inclusive of all levies/Duties/taxes/ Charges etc. but excluding GST. Which will be payable extra as applicable.

However, shall be inclusive of the following items:

- The value of work described under several items including all costs and expenses which may be required in and for the execution of work.
- general risks, liabilities and obligations (e.g. temporary buildings, fencing, watch and ward lighting, insurance and the like)
- All labour, materials, plants, civil works, equipment, hoists, tackles, scaffoldings, sundries etc. as may be necessary for full and entire completion of work.

The Contractor shall submit the AMC Charges online for all the lifts described in the contract as per prescribed format provided in Section II of Price bid part-2.

AMC rates shall be quoted for Comprehensive Annual Maintenance for a period of 4 years after expiry of the defect liability and free maintenance period of 01 year. The terms and conditions during AMC period shall be as SCC clause 10.2 and 10.3 above.

Evaluation of the financial bids/ successful bidder shall be decided basis of lowest total amount obtained in online price bid after reverse auction using the following formula:

$$\text{GRAND TOTAL (GT) = Section (I) + Section (II)}$$

Where,

- (I) = Total obtained after opening of online price bid from Section -I of Price bid part-2 (SITC of 8 passengers Lift at Regional Business Office, Aska)

- (II) = Total obtained after opening of online price bid from Section -II of Price bid part-2. (Total CAMC charges for 4 years for Lift at Regional Business Office, Aska)

TECHNICAL SPECIFICATION FOR GEARLESS MRL DOUBLE ENTRY CAR 8-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	:	96 % (Avg.)
In the vicinity of	:	Aska

System Conditions

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/ Electro mechanical brake. 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 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 %.

(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 AC VVVF 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 minimise 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 Located in shaft on top of guide rails shall not exceed 75 db. All db readings shall be taken one metre off the floor and one metre 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 building structure.

3.4 Counterweight: Provide new counterweight with steel frame with metal/ 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 ± 3 mm to ± 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/ Located in shaft on top of guide rails. Provide four pairs of spare shielded communication wires in addition to those required to connect specified items. Tag spares in machine/ room Located in shaft on top of guide rails.

(ii) Travelling Cables: Flame and moisture-resistant / FRLS outer cover. 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, trough and ducts shall comply with the requirements of relevant IS specification or BS specifications

6. LIFT CAR & EQUIPMENT

- 6.1 The lift shall be suitable for carrying 8 passengers i.e. 544-Kg at a speed of 1.0 mps. It shall travel from Ground floor to 3rd floor. Each floor height is about 3.0 m. It shall have four stops and four openings. 3 openings shall be on one side and 1 opening on other side.
- 6.2 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.
- 6.3 Granite flooring of 20 mm thick shall be provided in the lift car
- 6.4 The car roof shall be of robust construction and design to withstand, without deformation, the weight of two men and tools.
- 6.5 Ventilation shall be provided at the top and bottom of the car operating panel
- 6.6 Car doors shall have the minimum clear opening of 800 wide x 2100 high and during travel the car door shall be mechanically locked.
- 6.7 Four min. 8-watt or higher LED lamps with diffusers and two blowers shall be provided in the car
- 6.8 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.
- 6.9 Car Sling shall be provided with welded or bolted, rolled or formed steel channel construction.
- 6.10 Provide new governor actuated safety properly affixed to underside of car platform.
- 6.11 Provide new platform of isolated type made of steel, which are fireproofed on underside.
- 6.12 Provide sliding guides as guide Shoes, aluminum car sill manufactured with one piece extrusion
- 6.13 The landing door should have two hour fire rating.
- 6.14 Car Operating Panel with alarm button to ring bell located on car and actuate two-way communication systems.
- 6.14 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.
- 6.15 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 Simplex Full Collective 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.
- Pushbuttons: 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.

8.0 SIGNALS

- Position Indicators: Provide Dot Matrix type/16 segment LED 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/16 segment LED, 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. Car position to be displayed inside car as well as at each floor.
- 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
- > Key operated Priority call in the car.

9.3 A digital dot matrix/16 segment LED display shall be incorporated.

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.

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 centre line. **Granite/ACP to be provided as per SBI instruction at site.**

Landing doors: Provide as specified

Sills: Provide new sills manufactured of extruded aluminium.

10.7 Building Management System: NA

10.8 Specification for 8 Person Gearless Passenger Lift

Electric Gearless Traction Machine room less passenger lift

- | | |
|---|-------------------------------|
| i) Contract load | 8 person (544kg) |
| ii) Lift speed | 1.0 mps |
| iii) Number of floors served | G+2 floors |
| iv) Position of openings | Double entry |
| v) Door type | 800 (w) x 2100 (h), |
| vi) Control system | Simplex Full Collective |
| vii) Lift machine | MRL Gearless |
| viii) Lift motor | 3 phase permanent magnet type |
| ix) Speed Control | VVVF with closed loop |
| x) Clear internal lift well dimensions: | 2000mm depth x 2000mm wide |

xi) Pit depth	1525
xi) Headroom	4200mm to underside of lifting beam
xii) Power supply	415/230V (+/-6%) 3 phase and Neutral 50 Hz

10.9 Lift Car Specification

i) Front wall rock/linanen	Stainless steel in 18 gauge Honeycomb Finish//Moon
ii) Side & Rear walls rock/linanen	Stainless steel in 18 gauge Honeycomb Finish//Moon
iii) Car operating panel	Stainless steel finish
iv) Car flooring	Granite with 20mm thickness as approved by Bank
v) Car ceiling	Suspended modular panels finished in brushed stainless steel
vi) Lighting	4 nos. LED's of min. 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 |
| iii) Car operating panel | 16 segment LED/ 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 |
| iv) Car door finish | Stainless steel in 18 gauge Honeycomb Finish |
| v) Landing door & surround finish | Stainless steel in 18 gauge Honeycomb Finish |
| vi) Car and landing entrances | VF Power operated doors |
| 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) soundless smooth operation | |
| 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 and control module are located in the machine room/ Located in shaft on top of guide rails. Emergency Intercom from car to MAP (Maintenance Access Panel) and lobby (ISE C)

Intercom telephone connection between the car, the MAP and the lobby for further connection to control station, door keeper.

- **Voice Announcer & Speaker:**

This feature 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 openings. (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

- l) Anti-Nuisance Operation

- m) Automatic Return Device
- n) Attendant Operation
- o) Car Arrival Chime
- p) 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 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 energization. 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

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

Firm has to provide required scaffolding in the shaft which will be used by the SBI /Bank for carrying out major civil work if any. Major civil repair work like any modification required in the existing foundation will be done by the SBI / Bank. Allied civil work like partitioning, puncturing wall /ceiling, removing & repairing of plaster, whitewash of lift shaft, supply and fixing of required ACP sheet will be in scope of tenderer.

Bank will provide open storage space in the premises for storage of materials. Locking and responsibility 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 equalize 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 will be kept empty and the following will be tested in both directions of travel.
 - (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.
- (f) Voice annunciation system
- (g) Emergency alarm and two way communication 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

12. Test Certificates

Test Certificates by the lift OEM for Machine, Motor, Buffers, Controller, VF Drive, Hoist Ropes, Governor Rope, governor, travelling cables, Two (2) hours fire rating for landing doors should be furnished for all elevators at the time of delivery of materials at site.

13.0 TECHNICAL SPECIFICATION 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. To 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 Located in shaft on top of guide rails 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.
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 e.g.: PCBs 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 repair or replace parts mentioned Para 6 (above) considered as ~~above~~
9. To maintain the performance characteristics of the equipment as originally designated and installed by manufacturer
10. To maintain a reasonable stock of genuine and original spare parts for replacement so that these are made available at the time of breakdown.

11. The following items of elevator equipment are not included:-

12. 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 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, Gazette 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 log book shall be maintained by the contractor to record the behavior 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 log book 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.

SAFETY CODE

GENERAL SAFETY

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

FIRE SAFETY

- i. Cutting / drilling machine and other electrically operated equipment used at site shall be plugged into correctly rated electrical outlets.
- ii. Only ISI marked 3 pin plug and other appliances and equipment shall be used.
- iii. Electrical power cables/wires used shall not have any joints and shall be properly rated.
- iv. All electrical appliances i.e. welding, drilling, cutting machine etc. shall be safely and securely earthed to prevent leakage current while in operation.
- v. Before commencing the welding work, fire section shall be informed and required precautions should be taken.
- vi. Two buckets of water, sand and a fire cloth of suitable size shall be kept in an easily accessible area on the site.
- vii. Fire extinguishers recommended by fire officers shall be kept on the site.
- viii. Used paint drums shall be stored in specified store only after closing them properly.
- ix. Personal protective equipment such as safety shoes, hand gloves, welder's mask, ear plug etc. depending upon the requirement of the work shall be provided by the contractor to the workmen to prevent occupational health hazards.
- x. The safety belt shall be provided by the contractor and used by the workmen while working from height for more than 10' from Ground level.
- xi. None of the passages near lift lobby and staircases shall be used for stacking / dumping any kind of materials/waste.
- xii. Any debris/ waste generated from the work shall be collected on daily basis, removed from site and stored at the designated place in proper manner.
- xiii. Battery operated emergency light/torches shall be provided by the contractor to the workmen while working beyond office hours.

Place:

Date:

**SIGNATURE AND SEAL
OF THE CONTRACTOR**

LETTER OF UNDERTAKING

(Confirmed by the contractor's letterhead)

Date _____

The Asst. General Manager (Ops)
 State Bank of India
 Administrative Office,
 Brahma nagar 2nd lane,
 Berhampur-760001.

Dear Sir,

We have carefully examined the specifications, designs and schedule of quantities relating to the works specified in the memorandum hereinafter set out and have visited and examined the installation site of the works specified in the said memorandum and have acquired the requisite information relating thereto as affecting the tender. We hereby offer to execute the works specified in the said memorandum within the time specified in the said memorandum at the rates mentioned in the attached Schedule of Quantities and in accordance in all respects with specifications, designs and instructions in writing referred to in articles of agreement, general instructions to the tenderer and special conditions, conditions hereinbefore referred to, specifications, schedule of works, data sheet and schedule of quantities 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 works	Design, Supply, Installation, Testing and Commissioning of 8 Passenger lift at Regional Business Office, Aska.
(b) Earnest Money	Rs.19,600.00 in the form of demand draft/One time EMD/ valid MSME & NSIC certificate
(c) Time allowed for completion of work from date of commencement.	16 Weeks

1. We also agree that our tender will remain valid for acceptance by the Bank for 90 days from the date of opening of Part I of the tender and this period of validity can be extended for such period as may be mutually agreed between (SBI) and us in writing. We also agree to keep the Demand Draft towards earnest money valid during the entire period of validity of tender

2. Should this Tender be accepted, we hereby agree to abide by and fulfil all the Terms and Conditions of the Tender and in default thereof, to forfeit and pay to you or your successors, or assignees or nominees such sums of money as are stipulated in the conditions contained in the tender together with the written acceptance of the Contract.

3. I / We have deposited a sum of Rs.19,600/- of the total tender amount as Earnest Money or One time EMD with the SBI. The amount is not to bear any interest. Should I / We fail to execute the Contract when called upon to do so I / We do hereby agree that this sum shall be forfeited by me/us to SBI on behalf of SBI.

4. 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.

5. I/ We hereby confirm that all the components /parts /assembly / software etc. used in the equipment to be supplied shall be original new components / parts / assembly / software only, from respective OEMs of the products and that no refurbished / duplicate / second hand components /parts/ assembly / software shall be supplied or shall be used. We also undertake to produce certificate from the Original Equipment Manufacturers within seven days of intimation of the same by the SBI/Bank if ask.

6. We understand that you reserve the right to accept or reject any or all the tender either in full or in part without assigning any reason therefor.

7. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents of all pages (including all documents like annexure(s), schedule(s), drawing(s) etc.), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.

8. The corrigendum(s) issued from time to time by department/ organization too has also been taken into consideration, while submitting this acceptance letter.

9. I / We hereby unconditionally accept all the terms and conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.

10. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking/Private organization.

11. I / We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit /Security deposit or both absolutely.

12. Should our Offer be accepted by SBI for Award, I/we further agree to furnish 'Security Deposit' for the work as provided for in the Tender Conditions within the stipulated time as may be indicated by SBI.

13. I/We further agree to execute all the works and install lift of approved make as referred to in the said Tender documents upon the terms and conditions contained or referred to therein and as detailed in the appendices annexed thereto.

14. In the unlikely event, the original equipment manufacturer, failing to provide AMC support in terms of spares etc. due to technological obsolescence or for any reason, we shall continue to provide all-inclusive service to your satisfaction a period of not less than 4 years after expiry of the defect liability/warranty period at the rate quoted, by arranging required spares etc. ourselves, within the rate quoted by us for the all-inclusive maintenance contract for the period accepted as above.

15. If I/We become successful bidder, I/we shall submit the annexure IV from the OEM of the lift with price break-up of section-I (SITC of lift) & section –II (AMC value) in two separate letter head within 48 hours.

Date:
Place:

Signature of authorized person
Full Name & Designation:
Company's Seal_Company Stamp

Proforma of Bank Guarantee For Security Deposit

(To be submitted on Non-judicial stamp paper of appropriate value purchased in the name of the issuing bank)

No. _____

Date _____

The Asst. General Manager (Ops)
State Bank of India
Administrative Office,
Brahma nagar 2nd lane,
Berhampur-760001.

Dear Sir

In consideration of your agreeing to accept the security deposit of INR ____ (INR ____ only) furnish able to you by Messrs _____ (hereinafter referred to as "the Contractor") in terms of their contract with you for Design, Supply, Installation of 8 Passenger Lift at Regional Business Office, Aska as per their Tender No. ____ dated ____ and your Special Conditions of Contract and other tender documents relating thereto subject to the conditions and alterations mutually agreed upon the set forth or referred to in your Contract No. ____ dated ____ in the form of guarantee from us in the manner hereinafter contained, we ____ (Name of the Bank) do hereby covenant and agree with you as follows:

1. We undertake to indemnify you and keep you indemnified from time to time to the extent of INR ____ (INR____ only) against any loss or damage caused to or suffered by or that may be caused to or suffered by you by reason of any breach or breaches on the part of the Contractor of any of the terms and conditions contained in the said Contract and in the event of the Contractor making any default or default in carrying out any of the work under the said Contract or otherwise in the observance and performance of any of the terms and conditions relating thereto in accordance with the true intent and meaning thereof, we shall forthwith on demand pay to you such sum or sums not exceeding in total the said sum of INR ____ (INR____ only) as may be claimed by you as your losses and/or damages, costs, charges or expenses by reason of such default on the part of the Contractor.
2. Notwithstanding anything to the contrary, your decision as to whether the Contractor has made any such default or defaults and the amount or amounts to which you are entitled by reasons thereof will be binding on us and we shall not be entitled to ask you to establish your claim or claims under this Guarantee but will pay the same forthwith on your demand without any protest or demur.
3. This guarantee shall continue and hold good until it is released by you on the application by the Contractor after expiry of the relative guarantee period of the said Contract and after the contractor had discharged all his obligations under the said Contract and produced a certificate of due completion of the work under the said contract and submitted a "No Demand Certificate", provided always that this guarantee shall in no event remain in force after the day of _____ without prejudice to your claim or claims arisen and demanded from or otherwise notified to us in writing before the expiry of six months from the said date which will be enforceable against us notwithstanding that the same is or are enforced after the said date.
4. Should it be necessary to extend this guarantee on account of any reason whatsoever, we undertake to extend the period of this Guarantee on the request of M/s _____ till such time as may be mutually decided by you and M/s _____.
5. You will have the fullest liberty without effecting this guarantee from time to time to vary any of the terms and conditions of the said contract or extend the time of performance of the Contractor or to postpone for any time or from time to time any of your rights or powers against the Contractor and either to enforce or forbear to enforce any of the terms and conditions of the said Contract and we shall not be

released from our liability under this guarantee by the exercise of your liberty with reference to matters aforesaid or by reason of any time being given to the Contractor or any other forbearance, act or omission on your part or any indulgence by you to the Contractor or by any variation or modification of the said contract or any other act, matter or things whatsoever, which under the law relating to sureties would but for the provisions hereof have the effect of so releasing us from our liability hereunder provided always that nothing herein contained will enlarge our liability hereunder beyond the limit of INR _____ (INR _____ only) as aforesaid.

6. This guarantee shall not in any way be affected by your taking or varying or giving up any securities from the Contractor or any other person, firm or company on its behalf or by the winding up, dissolution, insolvency or death as the case may be, of the Contractor.

7. In order to give full effect to the guarantee herein contained you shall be entitled to act as if we were your principal debtors in respect of all your claims against the Contractor hereby guaranteed by us as aforesaid and we hereby expressly waive all our rights of surety-ship and other rights, if any, which are in any way inconsistent with any of the provisions of this guarantee

8. Subject to the maximum limit of our liability as aforesaid, this guarantee will cover all your claim or claims against the contractor from time to time arising out of or in relation to the said contract and in respect of which your claim in writing is lodged on us before expiry of six months from the date of expiry of this guarantee.

9. Any notice by way of demand or otherwise hereunder may be sent by special courier, telex, fax or registered post to our local address as aforesaid and if sent by post, it shall be deemed to have been given when the same has been posted.

10. This guarantee and the powers and provisions herein contained are in addition to and not by way of limitation of or substitution for any other guarantee or guarantees heretofore given to you by us (whether jointly with others or alone) and now existing un-cancelled and that this guarantee is not intended to and shall not revoke or limit such guarantee or guarantees.

11. This guarantee shall not be affected by any change in the constitution of the contractor or us nor shall it be affected by any change in your constitution or by any amalgamation or absorption thereof or therewith but will ensure to the benefit of and be available to and enforceable by the absorbing or amalgamated company or concern.

12. Any forbearance, act or omission on the part of the Bank in enforcing any of the conditions of the said tender or showing of any indulgence by the Bank to the tenderer shall not discharge the Surety in any way and the obligations of the Surety under this guarantee shall be discharged only on the intimation thereof being given to the Surety by the Bank.

13. This guarantee is irrevocable during the period of its currency and shall not be revoked without your previous consent in writing.

14. We further agree and undertake to pay you without demur the amount demanded by you in writing notwithstanding any difference or dispute or controversy that may exist or arise between you and contractor or any other person.

15. Notwithstanding anything contained herein above our liability under this guarantee is restricted to INR _____ (INR _____ only). Unless a written claim is lodged on us for payment under this guarantee within six months from the date of expiry, including extensions if any, of this guarantee all your rights under the guarantee shall be forfeited and we shall be deemed to have been released and discharged from all liabilities there under, irrespective of whether or not the original guarantee is returned to us.

16. We have power to issue this guarantee in your favour under the Memorandum and Articles of Association of our Bank and the undersigned has full power to execute this Guarantee under the Power of Attorney granted to him by the Bank.

SIGNED AND DELIVERED
(For & on behalf of the above named SBI)

For & on behalf of
(Banker's Name & Seal)

Branch Manager
(Banker's Seal)

Bank Address _____

TECHNICAL PARAMETERS

TECHNICAL PARAMETERS TO TENDER FOR TENDER FOR DESIGN, SUPPLY, INSTALLATION OF 8 PASSENGER LIFT AT REGIONAL BUSINESS OFFICE, ASKA.

Technical Parameters for Lifts		
S. No	Item	Requirements as per Tender
A)	General Specifications:	
a)	General:-	Passenger Lift (P1)
1.1	Type	Passenger - P1
1.2	Number of Lifts	01 No.
1.3	Capacity	544 Kgs (8 passengers)
1.4	Speed	1.0 mps
1.5	Machine Type	PMSM Gearless MRL
1.6	Number of Landings	3 on same side & 1 is on opposite side
1.7	Hoist way Size available	2000 mm (D) x 2000 mm (W)
1.8	Travel height	Approx. 7.0 meters
1.8.1	Overhead in mm	4000 mm
1.8.2	Pit Depth in mm	1525 mm
		(Hoist way size, Travel & pit depth shall be measured by bidders actual as per site and shall be confirmed)
	Machine Room	
1.10	Machine room location	Located in shaft on top of guide rails
1.11	Control	CLOSED LOOP AC VVVF
1.12	Operation	Simplex Full collective
	Car	
1.13	Car Enclosure	All Car panels in Stainless Steel Scratch Resistant Finish of Honey comb/Moon rock/linanen
1.14	Car Ceiling	Stainless Steel False ceiling with pressure blowers and LED Square spot light
1.15	Car Floor	Granite flooring of 20mm thick inside car of approved design & quality to be provided
1.16	Car and Landing Doors (WxH)	Landing doors/Car Panel at all floors in Stainless Steel of Honey comb/Moon rock/linanen Automatic Center opening power operated. 800mm x 2100mm.
1.17	Car Size (WxDxH)	1100 mm (W) x 1300 mm (D) x 2200 (H) Minimum Clear Car height below false ceiling to be 2200 mm.
1.18	Sill	Aluminium
1.19	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.
1.20	Car Interior Load beyond flooring weight	Additional car interior weight not required
B)	PARAMETERS COMMON TO ALL LIFTS	
	Machine	
1.1	Power Supply	415V/220V, 50 Hz

1.2	Acceptable Voltage Fluctuation	+10 to -10%
1.3	Rate of Acceleration/Deceleration M/s ²	0.6-1.5
1.4	Jerk(m/sec ³)	0.7-1.6
1.5	Stopping Accuracy	± 3 mm to ± 5 mm
	Leveling Accuracy	± 3 mm to ± 5 mm
1.6	Door Drive	Direct drive doors with PM motor and closed loop VVVF door control
1.7	Car panel & Door panel thickness	At least 1.5 mm
FIXTURES / SIGNALS INSIDE CAR		
Stainless steel Car operating panel with following buttons and indications.		
1.10	Door open/ Door Close	Door open and Door Close buttons with Symbol markings.
1.11	ARD operation Audio 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 DOUBLE ENTRY CAR LIFT AT idle condition.
1.14	Attendant Operation	Attendant/Remote Control switch for with/without attendant operation to be provided
1.15	Push buttons	LED Illuminated tactile braille buttons of micro motion type corresponding to the floors served.
1.16	Intercom & provision for EPABX car	Two way Built in Press and speak type with 1 Master and 1 slave units in Security room.
1.17	Car Display	For Passenger/ Service Lifts: 16 segment LED/Dot Matrix Car Direction display & Digital position indicators (in car operating panel).
		Bidder to provide inputs on Car displays as quoted
1.18	Emergency Light	Emergency light with rechargeable Sealed Maintenance free battery with Backup.
1.19	Emergency Alarm	Alarm with Rechargeable Sealed Maintenance Free batteries.
1.20	Over load warning	Audio/Visual Overload warning indicator to be provided.
1.21	Voice Announcement	Floor Position Voice Announcement.
1.22	Home landing	To be provided
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 excluding Ground and Top floor, where single button will come.
1.24	Car Chime	Chime on car
Provision of Handicap Friendly features in Passenger Lifts		

1.26	Hand Rails	SS hand rail (to be provided for PH/elder people)
1.27	Braille Marking Buttons on Car operating panel and landing push buttons	As mentioned above
1.29	Voice Announcement	As mentioned above
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.
SAFETY FEATURES & OTHER INCLUSIONS		
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
1.32	Door Protection	Multi beam infrared protection device so as to reverse the closing door in case of slight obstruction in the doorway.
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 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
1.40	ARD (Automatic Rescue Device)	ARD to be provided (in case of failure of both 1-phase & 3-phase power supply)
1.41	Fire Rating of doors	Landing doors to have 2 hour fire resistance rating. Certificates to be provided.
1.42	Intercom connection	car and security cabin at the gate
1.43	CCTV, Music, PA - Cable Provision.	Provision of suitable cables along the travelling cable for CCTV/Music/PA to be provided.
1.44	One car blower	To be provided
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 Over speed Protection Device	To be provided
1.50	Unintended Car Movement Protection Device	To be provided

1.51	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.
1.52	Counter Weights	Metallic /Concrete filler weights to be provided.
1.53	Major Components Service Life	· Ropes / Belts :- 8 years
		· Over speed governor:- 20 years
		· Traction machine / motor:- 20 years
		· Door operator:- 20 years
		· Safety gear / block :- 20 years
		· Travelling cables:- 20 years
		· Inverter Drive:- 20 years
		· Buffer:- 20 years
· Controller & circuits:- 20 years		
1.54	Minimum Annual Uptime Guarantee	98.61%
1.55	Feature List	Standard included & options – to be provided
1.56	Car top / Machine room/pit – rotating / moving equipment full guarding ; rope guards ; car top rails provision	To be provided
1.57	Electrical Safety Switch in case of removable Hand Winding Device	To be Provided
C)	Free Comprehensive Maintenance	
1.58	One Year Free Comprehensive Maintenance post successful Installation and completion of lift in satisfactory operating condition.	

Read & accepted,
SEAL & SIGN of vendor.

CHECK LIST FOR LIFT (TO BE SUBMITTED ONLINE)

S. No	Item	Confirmation regarding submission (Y/N)
1	Earnest Money Deposit (EMD) in original /copy of the Onetime EMD/ Copy the valid MSME/NISC certificate	
2	Letter of Undertaking (annexure-7) with the seal of the company/firm in the name of the person signing the tender documents.	
3	Technical parameter Annexures-9 in company/firm letter head duly signed & stamped	
4	Authorization letter from any one of approved lift OEMs for participation in this tender.	
5	Complete tender document duly signed and stamped in each pages.	