# **TENDER DOCUMENT**

# FOR SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF 1 NO. ELEVATOR

**FOR** 

NSMIMS – MOTHER & CHILD BLOCK
PALATHARA, KOLLAM

#### **CLIENT:**

N.S. CO-OPERATIVE HOSPITAL PALATHARA, KOLLAM.

**ARCHITECTURAL CONSULTANTS:** 

M/s ABHILASH ARCHITECTS,
NEAR ART OF LIVING ASHRAMAM,
KOLLAM, KERALA, INDIA -691012

# **INDEX**

SL NO.	PARTICULARS	PAGE NO.
1	NOTICE INVITING TENDER	03
2	SCOPE OF WORK	04
3	GENERAL CONDITIONS OF CONTRACT	07
4	TECHNICAL SPECIFICATION & VENDOR COMPLIANCE	12
5	PRICE ABSTRACT & AMC DETAILS	18
6	DRAWINGS	19

#### NOTE:

**Vendor/Tenderer/Contractor** - here means Lift Company

**Architectural Consultant** - here means M/s Abhilash Architects

**Client** - means M/s N.S. Co-operative Hospital

#### **NOTICE INVITING TENDER**

M/s N.S. Co-operative Society is inviting tender for "Supply, Installation, Testing & Commissioning of 1 No. Elevator for NSMIMS – Mother & Child Block, Palathara, Kollam."

#### The due date of submission of Tender is 06.03.2023

i) The tenderers are required to submit their tender as per the information mentioned in the tender documents and if there is any deviation in tender specification, the same shall be submitted separately along with the tender documents. Tenderers are required to fill the tender technical specification sheets without fail.

To Qualify for an award, each tenderer shall have to comply the following requirements:

- a) The tenderer shall have completed at least two similar nature and magnitude of works during the last three years.
- b) The annual financial turnover of the company based on the audited balance sheet shall be more than Rs 1 crore during the last three financial years.
- ii) The successful Tenderer will be required to enter into a formal agreement with the Client after the issue of Letter of Intent.
- iii) The hard & soft copies of the tender should be sent to M/s N.S. Co-operative Hospital (nsmimskollam@gmail.com) by 24.03.2023 on or before 06.03.2023.
- iv) Tenders shall be valid for **90 days** (ninety days) from the date of opening of tender.
- v) Client reserves the right to accept or reject any tender and also shall modify the tender dates without assigning any reason depending upon the site conditions. Further, the client does not bind himself to accept the lowest tender.
- vi) The tender should be signed by an authorized official of the company. The tender should be handed over in a sealed cover.

**VENDOR** 

#### **SCOPE OF WORK**

The scope of work shall be Design, Supply, Installation, Testing & Commissioning of 1 No. Elevator as per the scope of work, Technical Specifications & Terms and Conditions mentioned in the tender.

- **1.** <u>Main Equipment:</u> Design, Supply, Installation, Testing & Commissioning of Elevator as specified, handing over and free maintenance for a period of twelve months from the date of final acceptance of contract.
- 2. <u>Auxiliary Works:</u> Auxiliary works such as pocket cutting, grouting of bolts, fixing of sills which are required for installing the lift and these civil works has to be included in the offer and it is the responsibility of the tenderer to do the same. All vendors are requested to visit the site prior to submission of tender, if any irregularity, the same shall be addressed to the consultant.
- 3. <u>Drawings:</u> The vendor shall submit the drawings for approval within 10 days of placing the order, six copies of drawings giving details of all civil / electrical contractors work required for the installation of the Elevator. These drawings shall indicate clearly the position and sizes of all holes and cuttings, the loads on the beams and all other requirement in relation to Elevator/Lift installation.
- **4.** <u>Scaffolding:</u> Steel Scaffolding as per IS Standards in the shaft as required for Lift installation are to be included in the offer.
- 5. <u>Lift License</u>: Vendor should coordinate to arrange all the requisite approvals from related/relevant pertaining to installation of elevator. Vendor shall indicate the approximate cost for the same at the time of tender negotiation to enable us to estimate related cost for our cash flow. All incidental expenses and agent fees will be paid by the client. Vendor shall extend necessary co-operation with the civil & electrical contractors at site in respect of co-ordination, programming, scheduling and sequence of installation works.
- **6.** Vendor should handover the entire elevator system to the client as per the technical specification in the contract after all inspection and safety formalities as per the relevant standards and any clarification sought in this regard, shall be furnished to the consultant.
- 7. Vendor shall provide adequate training for the lift operators being deployed by the client.
- 8. <u>Power & Water:</u> The construction power at the time of erection shall be provided by the client at a cost and the vendor has to pay for the power and water cost as per actuals. In respect of water, vendor has to arrange at his own cost for which client is not responsible.
- **9.** <u>Safety & Security:</u> All the safety rules & regulations as suggested by the Client shall be adhered during the time of erection of lifts and should not dilute any of the same.

- 10. <u>Storage of material:</u> The vendor shall be permitted to install temporary material storage unit at site for storing the material during erection near to the Lift well preferably in Ground Floor. Such temporary material storage unit shall be removed after completion of work by the vendor. The vendor shall be responsible for safety and security of all the materials / tools brought to the site.
- **11.** <u>Green Features:</u> Vendor should ensure that all the Green features are ensured for the lift specifications.
- **12.** <u>Elevator Pit:</u> The pit will be clean and free from water, debris and dust, duly plastered, white-washed & water-proofed before the elevator installation.

#### 13. Elevator Entrances:

- Provision of minimum 300 mm height at every floor, RCC lintel should be cast to the entire width of the shaft to fix the elevator entrance equipment as per Vendors' layout drawing, by the client.
- Finished Floor level will be marked on all floors inside / outside of the shaft before elevator installation by the owner.
- ➤ Entrance opening, cut-out for hall call button, position indicator, FE/FER switches etc. will be provided.
- ➤ The vendor should provide lockable type full height steel barricades with kick plate for the elevator entrances during installation.

#### 14. Elevator Shaft:

- ➤ Elevator shaft shall be clear of all projections/unwanted openings, dry and free from water, debris and dust, illuminated, ventilated, duly plastered & whitewashed before elevator installation.
- Overhead & Smoke vent hole will be provided as per approved Vendors layout drawing.
- ➤ Hoisting beams or hooks shall be provided in the ceiling in case of machine room less elevator (MRL) as per Vendors' requirement.

#### 15. Elevator Machine room:

- Machine room shall be clean and free from water, debris and dust, duly plastered & whitewashed and properly illuminated.
- Provision of staircase with handrails for safe access to machine room shall be provided by client.
- Provision of hoisting beams / hooks in the machine room ceiling to withstand load specified in the Vendors' layout drawing and ladder access to traction machine floor level in case of up stand level from machine room shall be done by client.
- > Trap door shall be provided as per approved Vendors' drawing, with locking facility for hoisting purposes.
- > Provision of machine room door as per statutory requirement shall be done by client
- Provision of exhaust fan in machine room will be provided.
- Architectural finishing of the machine room floor, walls and floors in the vicinity of the entrance hall after installation has been completed will be done.

# 16. Electrical Works:

- Provision of shaft lightings (two-way switch control at bottom most and top most floors for bulk head light operation) shall be provided.
- ➤ Provision of 5A switch socket with bulk head light at every floor inside shaft as per Vendors layout drawing will be provided.

#### GENERAL CONDITIONS OF CONTRACT & INSTRUCTIONS TO TENDERS

- 1. <u>Terms of Delivery</u>: The Elevator materials for the subject project shall be delivered at site within **Three (03)** months from the date of receipt of the signed Contract by both parties or release of payment as agreed in the Contract or approval of layout drawings or finalization of specification, whichever is later.
- 2. <u>Installation Completion</u>: The scope of work is inclusive of installation, testing and commissioning of 1 No Elevator. The installation will be completed within 6 months from the date of receipt of payments, clear site & other conditions as agreed in the Contract.
- **3.** Storage Requirement for Elevator materials: Owner shall allocate at the installation site a safe & dry storage space with weather protection to store the parts of elevators till the date of completion of handing over of Elevators. The storage space is at ground floor in the vicinity of the shafts. The storage space shall have adequate lighting arrangement and ventilation. The storage area should be made safe & lockable by the contractor.
- 4. Free Maintenance: Free maintenance shall be for a period of 12 months, and will commence from the handing over date of the elevator or 18 months from the date of delivery of material, whichever is earlier.
  Maintenance will consist of regular examinations and any necessary adjustment and lubrication of the equipment by the competent employees under Vendors' direction and supervision. The required supplies and parts will be furnished except for such parts
- **5.** <u>Arbitration:</u> All disputes, differences and claims whatsoever which shall at any time arise between the parties hereto or their respective representatives concerning this contract and all other documents in pursuance hereof as to the rights, duties, obligations or liabilities of the parties hereto respectively by virtue of this contract shall be:

as may be needed because of negligence, misuse or accidents not caused by Vendor.

- a) First referred to a Senior Personnel of both the parties.
- b) If after the meeting, the resolution is not achieved, then shall be referred to arbitration in accordance with the provisions of the arbitration and conciliation act 1996 as amended from time to time. Such arbitration proceedings will take place in Kollam and the language of Arbitration shall be in English.

#### 6. Validity:

Offer Validity: Within 90 days from the date of this offer. Shipment Validity: Within 360 days from the date of this offer

On acceptance of the offer, the contract is valid up to the handover after completion of installation.

#### 7. Terms of Payment:

- a. 10% of the Contract Value shall be payable as advance immediately upon signing the Contract.
- b. 70% of the Contract Value shall be payable against delivery of material at site.
- c. 10% of the Contract Value shall be paid after completion of testing & commissioning and before handing over of equipment and after obtaining Lift License from Statutory Authority (unit wise) on a pro rata basis.
- d. 10% of the Contract Value shall be payable as retention after defect liability period of 12 months. However, this amount can be released against the submission of retention Bank Guarantee.

#### 8. Taxes & Duties:

- ➤ The prices are inclusive of all taxes, duties, levies prevailing on the date of this proposal.
- ➤ Any increase / decrease in the present taxation structure or introduction of additional taxes by the State/Central/Local Authorities, the increase will be borne by the Owner and in case of decrease necessary adjustment benefit will be given to the Owner by the Vendor. If any levy, taxes, duties or local body tax applicable at the time of accepting this work order is revised, reviewed, renamed, modified in any manner whatsoever till the time of execution and completion of work order, then the increase will be exclusively borne by the Owner.

#### 9. Governing Law & Jurisdiction:

- ➤ This Contract shall be governed by and construed in accordance with the law of India and the Courts in **Kollam** (Courts situated in the place of execution) shall have jurisdiction.
- ➤ This proposal when duly signed by authorized signatories of both parties and stamped, shall constitute the entire contract between Owner and Contractor all prior proposals, quotations, agreements, understandings, representation and arrangements not incorporated herein are superseded.
- **10.** <u>Price Variation/Escalation</u>: The price quoted/confirmed shall be fixed cost as on the date of quotation and is valid till the handing over date as agreed in the Contract. In the event of project delay due to reasons attributable to Customer / owner beyond the validity period, revised prices shall be mutually discussed and agreed upon.
- **11.** <u>Basis of manufacture:</u> Vendor Shall start the manufacturing and has to supply the material within 120 days based on the following conditions whichever is later:
  - a. Release of order documents, Approval of all shop drawings and confirmation of specifications and finishes by the Customer / Consultant.

#### 12. Installation:

The vendor shall start with Installation at site after following conditions are met:

- i) Completion of all technical activities at site as per the contract.
- ii) Fulfilment of Payment Terms as agreed in the contract.
- iii) Availability of necessary statutory requirements from authorities as per local law.

#### 13. Insurance:

Vendor shall take necessary Erection All Risk Insurance coverage for supply and installation of elevator at the Customer's site.

#### 14. <u>Penalty:</u>

The entire work has to be completed and handed over within the stipulated time in the tender documents / mutually agreed contract. If the contractor fails to complete and handover the elevator within the specified period due to the delay attributable to the vendor, the penalty shall be charged as 0.5 % of the uncompleted works per day till it reaches 5% of the total contract value.

#### 15. Reconditioning / Replacement of Materials:

In case the materials / components at project site cannot be installed due to non-availability of proper hoist way, power supply issue, theft, pilferage & improper storage resulting in delays attributable to employer, Vendor can seek redressal on the following as per the mutually agreed terms / conditions:

- i) Extension of time for Installation & Commissioning
- ii) Investigation on the condition of materials due to one or all the reasons mentioned above
- iii) Extra cost & revision in the contract value due to reconditioning / replacement of components

#### **16.** Cancellation / Termination of Contract:

If the contract is cancelled due to the reason not attributable to the Vendor, it shall be mutually discussed and agreed upon.

#### 17. Force Majeure:

Under no circumstances shall either party be liable for any loss, damage or delay due to any cause beyond either party's reasonable control, including but not limited to lack of shipping space, embargoes, acts of any Government, strikes, lockouts, fire, accidents, explosion, flood, riots, civil commotion, war, malicious mischief, delays in supplies of raw materials and components at our works due to any or all the reasons, such as energy crises, electricity cut, act of God. Delay resulting from any causes like epidemic which are beyond either party's reasonable control shall affect the time for completion of the work and the commencement of the free maintenance period. If for any such reasons, Vendor cannot supply the equipment covered by this contract within 28 weeks from the date of Customer acceptance of this proposal, Vendor may at its option, cancel the contract without being liable to pay any damages or compensation. Under no

circumstances, shall either party be liable for special, indirect or consequential loss or damages of any kind.

#### 18. Alternation of Specification:

Any modifications or changes, addition or deletion to the approved specifications outlined in this proposal has to be mutually agreed by both the parties in writing. An amendment to Contract in this regard clearly indicating the revisions, contract price / delivery period and other terms and conditions shall be duly executed.

#### 19. Confidentiality:

Customer acknowledges that all project details including but not limited to technical, commercial and financial data disclosed to Customer by Vendor and/or its affiliates is the proprietary confidential information. Customer shall not disclose any such confidential information to any third party and shall not use any such confidential information for any purpose other than as agreed by the parties herein.

#### 20. Successors and Assigns:

The provisions of this Contract shall be binding upon and inure to the benefit of the Parties hereto and their respective successors and permitted assigns.

#### 21. Assignment:

Neither party shall, without the prior written consent of the other party, assign any of its rights or delegate any of its duties under this Contract to any third party.

#### 22. Anti-Bribery and Anti-Corruption:

Each Party represents and warrants that it has not and will not directly or indirectly pay, offer, give or promise to pay or authorize the payment of, any portion of the compensation or reimbursements received hereunder or any other money or other things of value to an officer or employee of a government of any department, agency, or instrumentality thereof, an officer of employee of a public international organization; any person acting in an official capacity for or on behalf of any government or department, agency, or instrumentality or public international organization; any political party or official thereof; any candidate for political office; or any other person, individual or entity at the suggestion, request or direction or for the benefit of any of the above-described persons and entities, or engage in acts or transactions otherwise in violation of any applicable anti-bribery legislation, including but not limited to the Indian Prevention of Corruption Act, 1988.

Each Party hereby covenants and agrees that it and its employees and authorized agents, will comply with the obligations set out in this Section and Indian Anti Bribery Law and any applicable anti-bribery legislation specified herein, and acknowledges that the other Party's entering into this Contract is conditioned upon such representation and warranty.

Any action by a Party or its agents determined in good faith by the other Party to be in contravention of this Section shall result in termination of this Contract and any other business relationship between the Parties.

#### 23. Authorized Signatory:

Authorized Signatory is the designated representative of the Owner's organization who is authorized to make commitments under this Contract. Execution of this Contract shall imply that the executant has the capacity and authority to enter into this Contract for and on behalf of his/ her organization.

#### 24. Annual Maintenance Contract:

Tenderer shall furnish the details of Annual maintenance in the format enclosed with Tender documents. The details of inclusions / exclusions of elevators spares considered in the contract shall be furnished separated with the tender.

# **TECHNICAL SPECIFICATION AND VENDOR COMPLIANCE**

HOSPITA	VENDOR NAME :	
NO. OF LIFTS	1 (20 PAX – 1360 KGS)	VENDOR COMPLIANCE
PRODUCT	MACHINE ROOM LESS ELEVATOR	
UNITS	1	
ТҮРЕ	PASSENGER LIFT (DEEPER CABIN)	
CAPACITY	20 PAX WITH 150 KGS EXTRA WEIGHT ALLOWANCE FOR FLOORING	
TRACTION MACHINE TYPE/KW RATING	GEARLESS PMS MOTOR (Variable voltage, Variable frequency microprocessor drive)	
DOOR MOTOR TYPE	PMS MOTOR	
SPEED (METERS / SEC)	1.2 MPS	
COUNTER WEIGHT DROP	AS PER ELEVATOR VENDOR STANDARDS (SIDE/REAR)	
OPERATION	FULL COLLECTIVE OPERATION	
CONTROL	LVA / ACD	
STORS / ORFNINGS	6 S/O [1, 2, 3, 4, 5, 6]	
STOPS / OPENINGS	SAME SIDE OPENING	
OVER HEAD AVAILABLE (MM)	4200	
PIT DEPTH (MM) (AVAILABLE)	1750	

HOISTWAY SIZE AVAILABLE	REFER DRAWING (REQUEST SITE VISIT PRIOR QUOTING)	
CLEAR CABIN INTERNAL SIZE (W X D X H mm)	1300 mm x 2400 mm x 2300 mm	
CABIN ENTRANCE DOOR OPENING ARRANGEMENT	2 PANEL - CENTRE OPENING DOOR	
CLEAR CABIN ENTRANCE SIZE (W X H mm)	1200 mm X 2100 mm	
ELEVATOR CABIN CEILING TYPE	STAINLESS STEEL CEILING	
CABIN WALLS	STAINLESS STEEL HAIRLINE FINISH	
CABIN DOOR (FINISH)	STAINLESS STEEL HAIRLINE FINISH	
CABIN TRANSOM PANEL & FRONT RETURN PANEL (FINISH)	STAINLESS STEEL HAIRLINE FINISH	
CAR SILLS & LANDING SILLS	EXTRUDED HARD ALUMINIUM	
CABIN FLOORING	20 MM RECESS (FLOORING DONE BY CLIENT)	
ENTRANCE JAMBS TYPE & FINISH ON BOTH FLOORS	LINTEL AND NARROW WALL FRAME IN STAINLESS STEEL FINISH	
LANDING DOORS (FINISH) ON ALL FLOORS	STAINLESS STEEL HAIRLINE FINISH WITH 2 HOURS FIRE RATING	
HALL INDICATOR IN GROUND FLOOR		
HALL INDICATOR IN OTHER FLOORS		
CAR OPERATING PANEL		
BUFFERS FOR CABIN & COUNTERWEIGHTS	OIL BUFFER	

SAFETY SYSTEM	GRADUAL	
GUIDE RAILS FOR CABIN	MACHINED STEEL " T " SECTIONS	
GUIDE RAILS FOR COUNTERWEIGHTS / HYDRAULIC PLUNGER	FORMED RAIL	
GUIDE SHOES	ADVANCE SLIDING TYPE	
POWER SUPPLY FOR TRACTION	415 V 3 PHASE 50 Hz WITH VOLTAGE VARIATION OF + 5 ~ - 10 %	
POWER SUPPLY FOR CABIN LIGHTING	240 V 1 PHASE 50 Hz WITH VOLTAGE VARIATION OF + 5 ~ - 10 %	

OPERATIONAL & SAFETY FEATURES :		
AC-VVVF INVERTOR CONTROL DOORS	REQUIRED	
CAR ARRIVAL CHIME - ELECTRONIC CHIME SOUNDS TO INDICATE THAT A CAR WILL SOON ARRIVE	REQUIRED	
EMERGENCY CAR LIGHTING - CAR LIGHT WHICH TURNS ON IMMEDIATELY WHEN POWER FAILS.	REQUIRED	
DOOR SENSOR SELF DIAGNOSIS - FAILURE NON-CONTACT OF DOOR SENSOR IS CHECKED AUTO MATICALLY AND IF A PROBLEM IS DIAGONISED, THE DOOR CLOSING TIMING IS DELAYED AND THE CLOSING SPEED IS REDUCED TO MAINTAIN ELEVATOR SERVICE AND PASSENGER SAFETY.	REQUIRED	
AUTOMATIC DOOR SPEED CONTROL - DOOR LOAD ON EACH FLOOR IS MONITERED TO ADJUST THE DOOR SPEED, THEREBY MAKING THE DOOR SPEED CONSISTANT THROUGH OUT ALL THE FLOORS.	REQUIRED	
REOPEN WITH HALL BUTTON - CLOSING DOORS CAN BE REOPEN BY PRESSING THE HALL BUTTON CORRESPONDING TO THE TRAVELLING OF THE CAR.	REQUIRED	

REPEATED DOOR CLOSE - SHOULD AN OBSTACLE PREVENT THE DOORS FROM CLOSING, THE DOORS WILL REPEATEDLY OPEN AND CLOSE UNTIL THE OBSTACLE IS CLEARED FROM THE DOOR WAY.	REQUIRED	
DOOR NUDGING FEATURE WITH BUZZER - A BUZZER SOUND AND THE DOOR SLOWLY CLOSE WHEN THEY REMAINED OPEN FOR LONGER THAN A PREDETERMINED PERIOD.	REQUIRED	
DOOR LOAD DETECTOR - WHEN EXCESSIVE DOOR LOAD IS DETECTED WHILE OPENING OR CLOSING, THE DOORS IMMEDIATELY REVERSE.	REQUIRED	
SAFE LANDING - IF A CAR HAS STOPPED BETWEEN FLOOR DUE TO EQUIPMENT MAL FUNCTION, THE CONTROLLER CHECK THE CAUSE AND THE CAR WILL MOVE TO THE NEAREST FLOOR WITH SLOW SPEED AND THE DOOR WILL OPEN	REQUIRED	
NEXT LANDING - IF THE ELEVATOR DOOR DO NOT OPEN FULLY AT A DESTINATION FLOOR, THE DOORS CLOSE AND THE CAR AUTOMATICALLY MOVES TO THE NEAREST FLOOR WHERE THE DOOR FULLY OPEN.	REQUIRED	
CONTINUITY OF SERVICE - A CAR WHICH IS EXPERIENCING TROUBLE IS AUTOMATICALLY WITHDRAWN FROM GROUP CONTROL OPERATION TO MAINTAIN OVERALL GROUP PERFORMANCE.	REQUIRED	
OVERLOAD HOLDING STOP - A BUZZER SOUNDS TO ALERT THE PASSENGER THAT THE CAR IS OVER LOADED. THE DOORS REMAIN OPEN AND THE CAR WILL NOT LEAVE THAT FLOOR UNTIL ENOUGH PASSENGER EXIT THE CAR.	REQUIRED	
PROVISION FOR CCTV	REQUIRED	
PROVISION FOR MUSIC	REQUIRED	
CAR FAN SHUT OFF AUTOMATIC - IF THERE IS NO CALLS FOR A SPECIFIC PERIOD, THE CAR FAN WILL AUTOMATICALLY TURN OFF TO CONSERVE ENERGY.	REQUIRED	

REQUIRED	
REQUIRED	
30 GAL OR LESS (0.3 m/s square or less)	
REQUIRED	
REQUIRED	
REQUIRED	
REQUIRED	
	REQUIRED  REQUIRED  REQUIRED  REQUIRED  REQUIRED  REQUIRED  30 GAL OR LESS (0.3 m/s square or less)  REQUIRED  REQUIRED  REQUIRED  REQUIRED  REQUIRED

MULTI BEAM SENSOR	REQUIRED	
NOTE 1 :- PRODUCT SHALL HAVE A LIFE SPAN OF MINIMUM 20 YEARS.		
NOTE 2 :- COUNTRY OF ORIGIN LIST / PART LIST SHOULD BE ENCLOSED ALONG WITH YOUR OFFER.		

VENDOR

# PRICE ABSTRACT AND ANNUAL MAINTENANCE CHARGES FOR FIVE YEARS

# **PRICE ABSTRACT**

LIFT TYPE	DESCRIPTION	LIFT NO.	BRIEF SPEC	NO OF UNITS	UNIT PRICE	TOTAL PRICE
HOSPITAL	MACHINE ROOM LESS	L1	1360 KGS -1.2 MPS	1		
TOTAL AMOUNT (INCLUDING GST & OTHER CHARGES)						

# **ANNUAL MAINTENANCE CHARGES FOR NEXT FIVE YEARS**

YEAR	MAINTENANCE COST
FIRST YEAR	FREE MAINTENANCE
SECOND YEAR	
THIRD YEAR	
FOURTH YEAR	
FIFTH YEAR	

TOTAL AMOUNT (PRICE + AMC for 5 years) = ₹	
IN WORDS : RUPEES	ONLY

**VENDOR**