



## जवाहरलाल नेहरू उन्नत वैज्ञानिक अनुसंधान केंद्र

जक्कुर पोस्ट, बेंगलूरु - 560064, कर्नाटक, भारत

विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार के अधीन एक स्वायत्त संस्थान  
सम विश्वविद्यालय संस्था

### Jawaharlal Nehru Centre For Advanced Scientific Research

Jakkur P.O., Bengaluru - 560064, Karnataka, INDIA

An autonomous institution under Department of Science and Technology, Govt. of India.

An Institution Deemed-to- be-University



JNC/PUR/EMU/ PI2-627/ADMIN/818/22-23/E

April 13, 2023

### NOTICE INVITING TENDER

Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur invites sealed tenders in two bids (Technical & Commercial) from qualified and experienced Vendors for **Passenger Elevator** as per the terms and conditions below and as broad specifications shown in ANNEXURE-I

#### TERMS & CONDITIONS:

1. Any item not specifically mentioned in the technical specification but essential for successful implementation of the system (in the opinion of the bidder) must be brought to our notice and quoted accordingly.
2. At the time of installation, if it is found that some additional items are required to meet the operational requirement of the configuration, but not included in the bidder's original list of deliverables, the bidder shall supply such items to ensure completeness of the configuration at no extra cost. Make and Model should be specified with complete brochures to verify the specifications.
3. Delivery period should be 4 weeks from the date of Purchase Order. Once delivered onsite, the installation, commissioning and acceptance period will be within two weeks from the date of delivery of equipment.
4. The successful bidder, immediately after the award of the Purchase Order, shall prepare a detailed plan of installation as proposed to be followed by placement of the equipment, etc.
5. System Installation and integration of all supplied equipment and software shall be done by the successful bidder. Subcontracting in any form is not allowed.
6. Bidders should clearly specify after sales/service/application support/AMC capabilities. Bid validity should be 60 days.
7. Warranty and support: All supplied Equipment with Accessories – 1 year.
8. Provide all information as regards pre-installation requirements (i.e., room, environment) for system installation.
9. Detailed list of users of the system in India with contact details to be furnished.
10. Performance Security: The successful bidder must provide 10% Performance Security in the form of Bank Guarantee within 15 days after receiving Purchase Order.



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11. Performance Bank Guarantee: Successful bidder has to submit 3% PBG valid for three years.
12. Payment terms: 100% payment within 30 days from the date of supply / acceptance and submission of Performance Bank Guarantee for 3% of Purchase Order value valid for three years from the date of installation/commissioning.
13. As time is the essence of the contract, delivery period mentioned in the Purchase Order should be strictly adhered to. Otherwise the successful bidder will forfeit Security Deposit. If the supplier fails to supply, install and commission the system as per specifications mentioned in the Purchase Order within the due date, the supplier is liable to pay liquidated damage of 0.5% of Purchase Order value per every week of delay subject to a maximum of ten percent beyond the due date. Such money will be deducted from any amount due or which may become due to the supplier. JNCASR reserves the right to cancel the Purchase Order in case the delay is more than ten weeks. Penalties, if any, will be deducted from the Security Deposit. The maximum amount of penalty shall be ten percent. Liquidated damages shall be levied on the Purchase Order value, freight, insurance and duties.
14. The place of Applicable Law / Jurisdiction is Bengaluru, Karnataka, India.
15. Decision of the President, JNCASR will be final.
16. **Formats for price-bid:** Corresponding to each part in the technical bid there should be a pricing referring to the Part name in the technical bid and mentioning quantity, unit price and total price. If there are any other charges, they should be also added at the end. All pages have to be serially numbered. References if any to technical bid should be provided along with the exact location (page number, etc). You are required to use the price bid format given by us only for commercial tender.
17. **Warranty Replacements:** Any replacement of defective items during Warranty period is the responsibility of the successful bidder. The expenditure involved like freight charges, customs duty, insurance charges, clearance charges etc. are to be borne by the successful bidder.
18. **Submission of Proposal:** The proposal should be submitted in a sealed two bid system. One containing sealed technical bid and the other one a sealed price bid. The bidder's name, the nature of the envelope (either technical bid or price bid) must be clearly mentioned on top of each of the envelopes. The sealed proposals must be addressed to Senior Stores & Purchase Officer, JNCASR. The proposals should be submitted to the Stores & Purchase Department, JNCASR.
19. **Evaluation of bids:** Technical bids will be evaluated by JNCASR. Price bids of technically qualified bidders only will be opened on date and time that will be decided by the JNCASR.



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20. Public Procurement (preference to “Make in India”) order 2017 will be considered as per order No. P-45021/2/2017-PP (BE-II), dated 28.05.2018.

IMPORTANT DATES	
Last date for submission of bids (Two-bid system)	<b><u>April 28, 2023, up to 2.00 PM</u></b>
(a) <u>Technical Cover</u> :  Technical Specs.  Commercial Terms and Conditions,  Brochures, Compliance statement  EMD & Bill of quantities without  Price Information.	
(b) <u>Price bid cover</u> :  With complete specs & item wise  Rates to be indicated.	
Opening of technical bids:	<b><u>April 28, 2023, up to 3.00 PM</u></b>
Opening of commercial bids:	<b>Will be informed later</b>

(K. Bhaskara Rao)

Sr. Stores & Purchase Office



## ANNEXURE – I

### A. Technical Specifications for Passenger Elevator at JNCASR Campus

Category	Passenger
Capacity	544 kg (8 persons)
Speed	1 m/s
Stops	4 (G, 1, 2, 3)
Openings' direction	Front
Car dimensions	≥ 1200 mm x 1100 mm x 2200 mm
Car entrance clearance	800 mm (W) x 2000 mm (H)
Hoist way dimensions	1850 mm (W) x 1550 mm (D)
Car enclosure	Rear panel in SS mirror finish All other panels in SS hairline finish SS handrail with mirror finish on rear panel False Ceiling with SS hairline finish
Lighting and ventilation	LED lighting and cross flow fan
Car door	SS hairline finish with automatic central opening
Landing door	SS hairline finish with automatic central opening
Flooring	Vinyl or PVC
Fire rating (door)	120 mins
Power supply	3 Phase (400/415 V) 50 Hz



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Indicators	Digital Up/Down indicators and floor position indicators with SS cover in car and at all stops
Pit Depth	> 1350 mm
Machine	PM Gearless motor with closed loop encoder
Operation	Full collective operation
Overhead space available	3600 mm
Traction media	Flat coated steel belt
Other features	Emergency Alarm, Emergency Light Fireman Switch, Infrared curtain door protection, Overload Warning Sensor, Auto fan cut-off, automatic rescue operation, 2 way intercom, door open/close button, grounding switch, voice synthesizer

The required civil work are as follows:

1. Laying of concrete for pit and flooring (6" thick)
2. Pit waterproofing
3. Shaft whitewash,
4. Entrance wall construction and lintel casting, plastering and finishing,
5. Supply and fixing of ISMB on the roof top concrete and finishing,
6. Scaffolding for erection,
7. Pit ladder,
8. Misc. civil works like chipping, plastering, finishing, etc.

The required electrical work are as follows:

1. Construction of Earthing Pit (2 Nos.)
2. Earthing connected till panel room with bus-bar channel.



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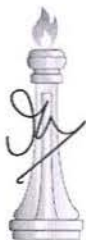
3. Bulkhead light fittings
4. Panel room lighting
5. 3 phase power supply cable routing
6. Power control panel
7. Lift License



**B. Technical specifications for Passenger Elevator at Arkavathi Campus**

8p-3s-800CLD-Nova, Unit 1	
PRODUCT	Gen2-Nova MRL
DETAILS	Gen2-Nova MRL- 1 MPS
CAPACITY (kgs)	544 Kg, 8 persons.
SPEED (mps)	1 mps
RISE (m)	9 m
STOPS	3 Stops With (all opening on the same side)
CONTROLLER TYPE	ACD5-MRL
DRIVE	VF Regenerative (Closed Loop)
POWER SUPPLY	400/415 Volts (3 Phase AC)
OPERATION	Full collective operation
CAR GROUP	One car (simplex)
MACHINE	PM Gearless (Located in shaft on top of guide rails)
TRACTION MEDIA	Flat Coated Steel Belf
CAR FINISH	Rear Mid Panel = Stainless Steel #4(Hairline) Rear Corner Panels — Stainless Steel #4 (Hairline) Side Mid Panels — Stainless Steel #4(Hairline) Side Corner Panels — Stainless Steel #4(Hairline) Front Panels = Stainless Steel #4(Hairline)
FALSE CEILING TYPE	CD-41
FLASE CEILING FINISH	Stainless Steel #4(Hairline)
VENTILLATION	Cross flow fan
HANDRAILS	Stainless Steel Mirror Finish Handrails on rear car panels
FLOORING	Vinyl Tiles
CAR DOOR FINISH	Stainless Steel #4(Hairline)
LANDING DOORS FINISH	Stainless Steel #4(Hairline)
FIRE RATED DOORS	Fire rating-120mins
PIT DEPTH	1350
OVERHEAD	4500





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HOISTWAY DIMENSIONS (W x D — mm)	2000 mm W x 2700 mm D after plating
CAR DIMENSIONS (W x D x H — mm)	1100 mm W x 1300 mm D x 2200 mm D
CAR & HOISTWAY DOOR TYPE	Central opening (CO) doors
DOOR OPENING (W x H — mm)	800 mm W x 2000 mm H
DOOROPERATOR	DC Door Operator





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COP	COP for stops $\leq 12$ (950mm) in Stainless Steel #4 ( Hairline)
CAR POSITION INDICATOR	Monochrome LCD-Blue Background & White font Dot matrix (LED) Scrolling Display
HALL FIXTURES	O2000 Pan Type Fixture.
HALL FIXTURE FACE PLATE	Stainless Steel # 4(Hairline)
HALL BUTTON ARRANGEMENT	LCD Monochrome type
STANDARD FEATURES	Anti-nuisance Car Call Protection Independent Service (for Duplex only) Overload Device Nudging Emergency Car Light Unit Infrared Curtain Door Protection Door Time Protection Emergency Alarm Button Extra Door Time of Lobby & Parking Door Open/Close Button Manual Rescue Operation Belt Inspection Drive Auto Fan Cut Off
OPTIONS INCLUDED	Emergency Firemen's Service, Automatic Rescue operation, Voice Synthesizer, Intercom,