

# TECHNICAL SPECIFICATIONS FOR PROPOSED ELEVATORS FOR NEW CAMPUS AT MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY- BATHINDA.

## Technical Specifications-1

Quantity	5 ( Five ) unit(s)
Capacity	13 persons, 884 kg
Speed	1.00 m/s
Stops & Openings	5 Stops, 5 Openings
Floor designations	G,1,2,3,4
Machine type & Location	Gearless machine located in the shaft on top of the guiderails
Control	Simplex Collective Selective Control
Drive	ACVVVF
Power supply	415 volts, 3 phase, 50Hz, AC
Hoist way dimensions	1850mm wide x 2400mm deep
Car travel	16000mm
Overhead	4200mm
Car dimensions	1100 mm wide x 2000mm deep x 2200mm high
Door opening	900mm wide x 2100mm high
Car door	2 panel automatic side opening (left) with ACVF drive in Stainless steel Honeycomb finish
Landing door	2 panel automatic side opening (left) in Honeycomb Stainless Steel finish on 5 floors
Car design	All car walls in Stainless steel Honeycomb finish
Car suspended ceiling	Stainless steel Hairline finish with Square LED for car lighting
Car flooring	20 mm Recess to accommodate Granite flooring
Handrail	Round handrail in Hairline Stainless steel finish provided on rear wall of car
Car operating panel	Full height , flush mounted
Landing operating panel	Individual landing operating panel for each elevator

## Technical Specifications-2

Quantity	8 ( Eight ) unit(s)
Capacity	13 persons, 884 kg
Speed	1.00 m/s
Stops & Openings	4 Stops, 4 Openings
Floor designations	G,1,2,3
Machine type & Location	Gearless machine located in the shaft on top of the guiderails
Control	Simplex Collective Selective Control
Drive	ACVVVF
Power supply	415 volts, 3 phase, 50Hz, AC
Hoist way dimensions	1850mm wide x 2400mm deep
Car travel	12000mm
Overhead	4200mm
Pit depth	1600mm
Car dimensions	1100 mm wide x 2000mm deep x 2200mm high
Door opening	900mm wide x 2100mm high
Car door	2 panel automatic side opening (left) with ACVF drive in Stainless steel Honeycomb finish
Landing door (Group1)	2 panel automatic side opening (left) in Honeycomb Stainless Steel finish on 4 floors
Car design	All car walls in Stainless steel Honeycomb finish
Car suspended ceiling	Stainless steel Hairline finish with Square LED for car lighting
Car flooring	20 mm Recess to accommodate Granite flooring
Handrail	Round handrail in Hairline Stainless steel finish provided on rear wall of car
Car operating panel	Full height , flush mounted
Landing operating panel	Individual landing operating panel for each elevator

## Technical Specifications-3

Quantity	1 ( One ) unit(s)
Capacity	13 persons, 884 kg
Speed	1.00 m/s
Stops & Openings	6 Stops, 6 Openings
Floor designations	G,1,2,3,4,5
Machine type & Location	Gearless machine located in the shaft on top of the guiderails
Control	Simplex Collective Selective Control
Drive	ACVVVF
Power supply	415 volts, 3 phase, 50Hz, AC
Hoist way dimensions	2450mm wide x 1775mm deep
Car travel	14000mm
Overhead	4200mm
Pit depth	1600mm
Car dimensions	1100 mm wide x 2000mm deep x 2200mm high
Door opening	900mm wide x 2100mm high
Car door	2 panel automatic center opening door with ACVF drive in Stainless steel Honeycomb finish
Landing door (Group1)	2 panel automatic center opening door in Honeycomb Stainless Steel finish on 6 floors
Car design	All car walls in Stainless steel Honeycomb finish
Car suspended ceiling	Stainless steel Hairline finish with Square LED for car lighting
Car flooring	20 mm Recess to accommodate Granite flooring
Handrail	Round handrail in Hairline Stainless steel finish provided on rear wall of car
Car operating panel	Full height , flush mounted
Landing operating panel	Individual landing operating panel for each elevator

## Technical Specifications-4

Quantity	1 ( One ) unit(s)
Capacity	13 persons, 884 kg
Speed	1.00 m/s
Stops & Openings	2 Stops, 2 Openings
Floor designations	G,1
Machine type & Location	Gearless machine located in the shaft on top of the guiderails
Control	Simplex Collective Selective Control
Drive	ACVVVF
Power supply	415 volts, 3 phase, 50Hz, AC
Hoist way dimensions	2300mm wide x 1775mm deep
Car travel	8000mm
Overhead	4200mm
Pit depth	1600mm
Car dimensions	1100 mm wide x 2000mm deep x 2200mm high
Door opening	900mm wide x 2100mm high
Car door	2 panel automatic center opening door with ACVF drive in Stainless steel Honeycomb finish
Landing door (Group1)	2 panel automatic center opening door in Honeycomb Stainless Steel finish on 2 floors
Car design	All car walls in Stainless steel Honeycomb finish
Car suspended ceiling	Stainless steel Hairline finish with Square LED for car lighting
Car flooring	20 mm Recess to accommodate Granite flooring
Handrail	Round handrail in Hairline Stainless steel finish provided on rear wall of car
Car operating panel	Full height , flush mounted
Landing operating panel	Individual landing operating panel for each elevator

## Technical Specifications-5

Quantity	1 ( One ) unit(s)
Capacity	8 persons, 544 kg
Speed	1.00 m/s
Stops & Openings	3 Stops, 3 Openings
Floor designations	G,1, 2
Machine type & Location	Gearless machine located in the shaft on top of the guiderails
Control	Simplex Collective Selective Control
Drive	ACVVVF
Power supply	415 volts, 3 phase, 50Hz, AC
Hoist way dimensions	2450mm wide x 1775mm deep
Car travel	12000mm
Overhead	4200mm
Pit depth	1600mm
Car dimensions	1100 mm wide x 2000mm deep x 2200mm high
Door opening	900mm wide x 2100mm high
Car door	2 panel automatic side opening door with ACVF drive in Stainless steel Honeycomb finish
Landing door (Group1)	2 panel automatic side opening door in Honeycomb Stainless Steel finish on 2 floors
Car design	All car walls in Stainless steel Honeycomb finish
Car suspended ceiling	Stainless steel Hairline finish with Square LED for car lighting
Car flooring	20 mm Recess to accommodate Granite flooring
Handrail	Round handrail in Hairline Stainless steel finish provided on rear wall of car
Car operating panel	Full height , flush mounted
Landing operating panel	Individual landing operating panel for each elevator

**Features to be included:**

1. Alarm button in car operating panel with battery back-up
2. Automatic operation for car fan
3. Adjustable door open time
4. Anti-nuisance (empty car)
5. Anti-nuisance (car call cancellation at direction reversal)
6. Blower fan in car for ventilation
7. Braille on push buttons
8. Car call cancellation by double pressing floor button in car operation panel
9. Door open and door close buttons in car operating panel
10. Door closing retries
11. Door nudging
12. Emergency light
13. Full load by-pass
14. Home landing
15. Infra-red screen for car door
16. Intercom
17. Jammed landing operating panel call button by-pass
18. Motor overheat protection
19. Overload function with audio-visual indication in car operating panel
20. Phase failure and phase reversal protection
21. Automatic rescue device in case of power failure
22. Attendant control
23. Red dot matrix scrolling display in car operating panel
24. Red dot matrix scrolling display in landing operating panel on All Floors
25. Fireman control
26. Fireman emergency return
27. Independent operation (car VIP function)
28. Motor tested for 180 starts per hour or as per I.S. Standard
29. Pit ladder
30. System capable of with standing +10% to -20% variation in supply voltage fluctuation
31. Voice synthesizer, braille (Announcement system with music)
32. The cost shall include AMC for two years which will be started from completion of Guarantee/ warranty period.