

Approved T.S

TECHNICAL SPECIFICATION SHEET		
CLIENT NAME	M/s. INDIAN INSTITUTE OF FOREIGN TRADE	
INSTALLATION ZONE	Admin Block Kolkata	
RANGE	TYPE	Panoramic Passenger Auto Lifts (2 Nos.)
	CAPACITY	680 kgs. 10 Passengers
	SPEED	1.00 m/sec.
ELEVATOR WELL	CAR TRAVEL	G+4 Floors 16.8 Mtr Approx.
	NO OF STOPS	5
	NO. OF OPENINGS	5
	SHAFT SIZE	2400 mm (width) x 1300 mm (depth)
	MACHINE ROOM	3900 mm (width) x 3800 mm (depth)
	PIT DEPTH	1900 mm
	OVERHEAD	<del>4800 Mm</del> As per BIS requirements
CAR ENCLOSURE	CAR PANEL	Stainless Steel Cabin in Hairline Finish with "Three Side Toughened Glass" and SS Handrail
	CAR SIZE	1300 mm (width) x 700 mm (depth)
	CAR ENTERANCE	800 mm (width) x 2000 mm (height)
	CAR DOOR	Stainless Steel Two Panel Centre Opening / Telescopic Opening, Auto Door with Hairline Finish having full curtain Infra Red Door Safety
	FLOORING	Minimum 3mm Thick PVC Antiskid Flooring / 16 mm thick granite flooring
	FALSE CEILING	SS False Ceiling
	LIGHTS & FAN	LED Light and Axial Flow Fan
	C.O.P.	Luminous Braille Buttons with Dot matrix display for direction and position indicator (DISPLAY ABOVE CAR / LANDING DOOR)
LANDING	LANDING DOOR	Stainless Steel Two Panel Centre Opening / Telescopic Opening, Auto door in Hairline finish
	CLEAR OPENING	800 mm (width) 2000 mm (height)
	L.P.B.	Luminous Brail Buttons with Dot matrix display for Direction and Position indicator (DISPLAY ABOVE CAR / LANDING DOOR)
MACHINE	MACHINE	Gearless / Geared Machine
	MAIN POWER SYSTEM	415 Volts , 3 Phase, 50 Hz A.C.
	AUXILIARY SUPPLY SYSTEM	220/230 Volts, single Phase 50 Hz A.C
	OPERATION	DUPLEX full collective control system with or without attendant
	REQUIRED DRIVE	ACVVVF
SPECIAL FEATURES		
1. Battery Operated Alarm Bell & Emergency Light 2. Intercom System 3. Overload Warning Indicator Audio & Visual 4. Potential Free Contacts for each floor up and down movement / later for BMS 5. Floor Announcement System 6. Fireman Switch 7. Automatic Rescue Device 8. FRLS Cables 9. Emergency Stop Switch in Car 10. PIT Ladder 11. Suitable box above the lift landing with LED illuminated bilingual (English & Hindi) "LIFT OUT OF ORDER at all floors. 12. All other items as per CPWE General Specifications for Lifts 2003		

**TECHNICAL SPECIFICATION SHEET**

<b>CLIENT NAME</b>	<b>M/s. INDIAN INSTITUTE OF FOREIGN TRADE</b>
<b>INSTALLATION ZONE</b>	<b>Hostel Block Kolkata</b>

<b>RANGE</b>	<b>TYPE</b>	<b>Passenger Auto Lifts (2 Nos.)</b>	
	<b>CAPACITY</b>	<b>544</b> kgs.	<b>8</b> Passengers
	<b>SPEED</b>	<b>1.50</b> m/sec.	

<b>ELEVATOR WELL</b>	<b>CAR TRAVEL</b>	<b>G+7</b> Floors	<b>22.1</b> Mtr Approx.
	<b>NO OF STOPS</b>	<b>8</b>	
	<b>NO. OF OPENINGS</b>	<b>8</b>	
	<b>SHAFT SIZE</b>	<b>1800</b> mm (width) x <b>1900</b> mm (depth)	
	<b>MACHINE ROOM</b>	<b>3300</b> mm (width) x <b>4400</b> mm (depth)	
	<b>PIT DEPTH</b>	<b>1600</b> mm	
	<b>OVERHEAD</b>	<del>4800</del> mm	<b>As per BIS requirements</b>

<b>CAR ENCLOSURE</b>	<b>CAR PANEL</b>	Stainless Steel Cabin in Hairline Finish with SS Handrail	
	<b>CAR SIZE</b>	<b>1100</b> mm (width) x <b>1300</b> mm (depth)	
	<b>CAR ENTERANCE</b>	<b>800</b> mm (width) x <b>2000</b> mm (height)	
	<b>CAR DOOR</b>	Stainless Steel Two Panel Centre Opening / Telescopic Opening, Auto Door in Hairline Finish having full curtain Infra Red Door Safety	
	<b>FLOORING</b>	Minimum 3mm Thick PVC Antiskid Flooring / <b>16 mm thick granite flooring</b>	
	<b>FALSE CEILING</b>	SS False Ceiling	
	<b>LIGHTS &amp; FAN</b>	LED Light and Axial Flow Fan	
	<b>C.O.P.</b>	Luminous Brail Buttons with Dot matrix display for direction and postion indicator <b>(DISPLAY ABOVE CAR / LANDING DOOR)</b>	

<b>LANDING</b>	<b>LANDING DOOR</b>	Stainless Steel Two Panel Centre Opening / Telescopic Opening, Auto door in Hairline finish	
	<b>CLEAR OPENING</b>	<b>800</b> mm (width)	<b>2000</b> mm (height)
	<b>L.P.B.</b>	Luminous Brail Buttons with Dot matrix display for Direction and Position indicator <b>(DISPLAY ABOVE CAR / LANDING DOOR)</b>	

<b>MACHINE</b>	<b>MACHINE</b>	<b>Gearless Traction Machine, located above the Lift Shaft</b>	
	<b>MAIN POWER SYSTEM</b>	415 Volts , 3 Phase, 50 Hz A.C.	
	<b>AUXILIARY SUPPLY SYSTEM</b>	220/230 Volts, single Phase 50 Hz A.C	
	<b>OPERATION</b>	<b>DUPLEX full collective control system with or without attendant</b>	
	<b>REQUIRED DRIVE</b>	ACVVVF	

**SPECIAL FEATURES**

1. Battery Operated Alarm Bell & Emergency Light 2. Intercom System 3. Overload Warning Indicator Audio & Visual 4. Potential Free Contacts for each floor up and down movement / later for BMS 5. Floor Announcement System 6. Fireman Switch 7. Automatic Rescue Device 8. FRLS Cables 9. Emergency Stop Switch in Car 10. PIT Ladder 11. Suitable box above the lift landing with LED illuminated bilingual (English & Hindi) "LIFT OUT OF ORDER at all floors. 12. All other items as per CPWD General Specifications for Lifts 2003

TECHNICAL SPECIFICATION SHEET		
	CLIENT NAME	M/s. INDIAN INSTITUTE OF FOREIGN TRADE
	INSTALLATION ZONE	Faculty Housing Kolkata
RANGE	TYPE	Passenger Auto Lifts (1 No.)
	CAPACITY	544 kgs                      8 Passengers
	SPEED	1.50 m/sec.
ELEVATOR WELL	CAR TRAVEL	G+8 Floors                      25.3 Mtr Approx.
	NO OF STOPS	9
	NO. OF OPENINGS	9
	SHAFT SIZE	2005 mm (width) x 1970 mm (depth)
	MACHINE ROOM	3505 mm (width) x 4470 mm (depth)
	PIT DEPTH	1600 mm
	OVERHEAD	5600 mm                      As per BIS requirements
CAR ENCLOSURE	CAR PANEL	Stainless Steel Cabin in Hairline Finish with SS Handrail
	CAR SIZE	1300 mm (width) x 1100 mm (depth)
	CAR ENTERANCE	800 mm (width) x 2000 mm (height)
	CAR DOOR	Stainless Steel Two Panel Centre Opening / Telescopic Opening, Auto Door in Hairline Finish having full curtain Infra Red Door Safety
	FLOORING	Minimum 3mm Thick PVC Antiskid Flooring / 16 mm thick granite flooring
	FALSE CEILING	SS False Ceiling
	LIGHTS & FAN	LED Light and Axial Flow Fan
	C.O.P.	Luminous Brail Buttons with Dot matrix display for direction and position indicator (DISPLAY ABOVE CAR / LANDING DOOR)
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MACHINE	MACHINE	Gearless Traction Machine, located above the Lift Shaft
	MAIN POWER SYSTEM	415 Volts , 3 Phase, 50 Hz A.C.
	AUXILIARY SUPPLY SYSTEM	220/230 Volts, single Phase 50 Hz A.C
	OPERATION	SIMPLEX full collective control system with or without attendant
	REQUIRED DRIVE	ACVVVF
SPECIAL FEATURES		
<p>1. Battery Operated Alarm Bell &amp; Emergency Light   2. Intercom System   3. Overload Warning Indicator Audio &amp; Visual   4. Potential Free Contacts for each floor up and down movement / later for BMS   5. Floor Announcement System   6. Firemar Switch   7. Automatic Rescue Device   8. FRLS Cables   9. Emergency Stop Switch in Car   10. PIT Ladder   11. Suitable box above the lift landing with LED illuminated bilingual (English &amp; Hindi) "LIFT OUT OF ORDER at all floors.   12. All other items as per CPWD General Specifications for Lifts 2003</p>		

TECHNICAL SPECIFICATION SHEET		
	CLIENT NAME	M/s. INDIAN INSTITUTE OF FOREIGN TRADE
	INSTALLATION ZONE	Faculty Housing Kolkata
RANGE	TYPE	Passenger Auto Lifts (1 No.)
	CAPACITY	884 kgs. 13 Passengers
	SPEED	1.50 m/sec.
ELEVATOR WELL	CAR TRAVEL	G+8 Floors 25.3 Mtr Approx.
	NO OF STOPS	9
	NO. OF OPENINGS	9
	SHAFT SIZE	2005 mm (width) x 2500 mm (depth)
	MACHINE ROOM	3505 mm (width) x 5000 mm (depth)
	PIT DEPTH	1600 mm
	OVERHEAD	5600 mm As per BIS requirements
CAR ENCLOSURE	CAR PANEL	Stainless Steel Cabin in Hairline Finish with SS Handrail
	CAR SIZE	1350 mm (width) x 1600 mm (depth)
	CAR ENTERANCE	900 mm (width) x 2000 mm (height)
	CAR DOOR	Stainless Steel Two Panel Centre Opening /Telescopic Opening Auto Door in Hairline Finish having full curtain Infra Red Door Safety
	FLOORING	Minimum 3mm Thick PVC Antiskid Flooring / 16 mm thick granite flooring
	FALSE CEILING	SS False Ceiling
	LIGHTS & FAN	LED Light and Axial Flow Fan
	C.O.P.	Luminous Brail Buttons with Dot matrix display for direction and position indicator (DISPLAY ABOVE CAR / LANDING DOOR)
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**INDIAN INSTITUTE OF FOREIGN TRADE**  
**EDUCATIONAL AND RESIDENTIAL BUILDING FOR KOLKATA**  
**CAMPUS OF IIFT.**

**LIFT WORKS**  
**(Balance work)**

**TENDER DOCUMENT**

**VOLUME – III**

**BILL OF QUANTITIES**



**Wadia Techno-Engineering Services Ltd.**  
**Kolkata**

**Name of work : Construction of Institutional and Residential Building for Campus of IIFT, Kolkata**

**– Installations of Lifts**

Sl. No.	Description of Items	Qty in numbers	Unit	Rate		Amount		
				Rate without machine room	Rate with machine room	Rate without machine room	Rate with machine room	
1	Design, Fabrication, manufacture, supply, assembly, delivery to site, installation, testing, commissioning and handing over of lift in the existing lift shaft as per detailed specifications and technical parameters given and codes, lift rules, BIS etc as required along with obtaining required license from all statutory authorities to make the lift functional.							
A	10 Passenger Panoramic Auto Lifts at Admin Block	2	Each					
B	8 Passenger Auto Lifts at Hostel Block	2	Each					
C	8 Passenger Auto Lifts at Faculty Housing	1	Each					
D	13 Passenger Auto Lifts at Faculty Housing	1	Each					
<b>Total</b>								
Rupees								

## LIST OF APPROVED MAKES OF LIFTS

1. M/s OTIS
2. M/s KONE
3. M/s Mitsubishi
4. M/s Schindler
5. M/s Johnson Lifts Pvt. Ltd. Chennai.