



ANNEXURE – I – TRACTION ELEVATOR

TECHNICAL SPECIFICATIONS:

SL NO	SPECIFICATIONS	PASSENGER ELEVATOR	REMARKS
1.0 BASIC SPECIFICATIONS			
1.01	UNITS		1 NOS
1.02	CAPACITY		1000 Kgs
1.03	NO OF PAX		NA
1.04	SPEED		1.0 m/s
1.05	NO OF STOPS / OPENINGS		As per specification
1.06	SERVICE FLOORS		As per specification
1.07	TRAVEL(M)		AS PER SITE CONDITION
1.08	HOISTWAY SIZE REQUIRED PER ELEVATOR		As per specification
1.09	HOISTWAY LAYOUT		1 CAR GROUP
1.1	MACHINE LOCATION		DIRECTLY ABOVE THE HOIST WAY
1.11	CONTROL		MICRO PROCESSOR BASED CONTROL SYSTEM
1.12	OPERATION		MICROPROCESSOR BASED SELECTIVE COLLECTIVE
1.13	PIT DEPTH		1500 MM
1.14	HEAD ROOM		As per Site Conditions
1.15	OVERHEAD		As per Site Conditions
SL NO	SPECIFICATIONS	PASSENGER ELEVATOR	REMARKS
2.0 CAR AND DOOR SPECIFICATION			
2.01	CLEAR CABIN INTERNAL SIZE		As per drawing
2.02	CAR HEIGHT :FINISHED CAR FLOOR TO INNER SIDE OF FALSE CEILING		2500 MM
2.03	CAR ENCLOSURE		STAINLESS STEEL HL 304 GRADE
2.04	CAR DOOR SIZE,TYPE & FINISH		AUTOMATIC DOOR SYSTEM IN STAINLESS STEEL HL 304 GRADE
2.05	CLEAR OPENING		AS PER SPECIFICATION
2.06	LANDING DOOR SIZE, TYPE & FINISH ON LOBBY FLOOR		AUTOMATIC DOOR SYSTEM IN STAINLESS STEEL HL 304 GRADE
SL NO	SPECIFICATIONS	PASSENGER ELEVATOR	REMARKS
2.06	LANDING ENTRANCE FRAME FINISH ON ALL FLOORS		STAINLESS STEEL HL 304 GRADE NARROW JAMB
2.07	CAR & LANDING SILL		HARD EXTRUDED ALUMINIUM
2.08	DOOR PROTECTION		MECHANICAL INTERLOCKING SYSTEM COUPLED WITH ELECTRICAL SAFETY
2.1	FLOORING		DESIGNER FVINLY FLOOR MAT/GRANITE FINISH(CUSTOMER SCOPE)
2.11	CAR LIGHTING		DIFFUSED/INDIRECT – LED LIGHTS WITH FLOURSCENT TUBELIGHTS



GRACE ELEVATORS

t h e e l e v a t o r e x p e r t s

SL NO	SPECIFICATIONS	PASSENGER ELEVATOR	REMARKS
3.0:EQUIPMENT SPECIFICATION :			
3.01	TRACTION MACHINE		GEARED TRACTION OH
3.02	ROPING TYPE		1:1
3.03	DRIVE MOTOR CONTROLLER		MICRO PROCESSOR BASED ACVVVF
3.04	TYPE OF HOIST MOTOR		3 PHASE MOTOR COUPLED WITH GEAR
3.05	BRAKE SYSTEM		ELECTRO MECHANICAL BRAKE
3.06	TYPE OF GROUP OPERATION		NA
3.07	DOOR MOTOR TYPE & CONTROL		VFD BASED DOOR MOTOR CONTROL
3.08	COUNTER WEIGHTS		METAL ENCLOSURE FILLER WEIGHTS
3.09	CAR RAILS /CWT RAILS		MACHINED T SECTIONS
3.10	TYPE OF GUIDE		SLIDING TYPE GUIDE SHOES
4.0:SAFETY FEATURES:			
4.01	CAR SAFETY		FLEXIBLE GLIDE CLAMP TYPE
4.02	LANDING DOOR LOCK		ELECTRO MECHANICAL
4.03	EMERGENCY BRAKE RELEASE		FACTORY FITTING WITH MACHINE
4.04	OVER SPEED PROTECTION		LIMIT SWITCHES ON TOP AND BOTTOM
4.05	SAFETY BUFFERS IN PIT		SPRING BUFFER
4.06	LANDING AND CAR ENTRANCE SAFETY		IR DOOR SENSOR
4.07	PROVISION FOR EMERGENCY OPENING OF LANDING DOOR AT EACH FLOOR		PROVIDED
5.0:INDICATORS ,SIGNAL FEATURES & OPERATING DEVICES			
5.01	CAR		
a	NO. OF CAR OPERATING PANELS		ONE INSIDE CAR
b	FINISH OF FACE PLATE (COP)		SS 304 GRADE
c	THICKNESS OF FACE PLATE (COP)		2MM
d	BUTTON TYPE MICRO MOTION CLICK TYPE		VANDAL PROOF – LASER CUT
e	FALSE CEILING		DESIGNER FALSE CEILING WITH FULL THROTTLE BLOWERS
f	ATTENDANT OPERATION WITH KEY SWITCH		NA
g	FAN CONTROL		AUTOMATIC
h	BUILT IN INTERCOM		PROVIDED
i	CAPACITY PLATE & EMERGENCY DISPLAY		PROVIDED
5.02	HALL POSITION INDICATION IN MAIN LOBBY		A HIGH-DEFINITION DOT MATRIX DISPLAY SYSTEM WITH ARROWS AND POSITION INDICATOR
			VANDAL PROOF BUTTONS WITH SS FACE PLATE
5.03	EMERGENCY ALARM, LIGHT		PROVIDED
5.04	AUTOMATIC RESCUE DEVICE		



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PRODUCT DETAILS – TRACTION ELEVATOR		
1	MACHINE MAKE	SHARP/ MONTANARI
2	VVVF DRIVE MAKE	GEFRAN/FUJITEC
3	LIMIT SWITCHES	ESBEE/ SCHMERSAL
4	MAIN SUSPENSION ROPE	ORIENT FMC WIRE ROPE – 13MM
5	OVERSPEED GOVERNOR ROPE	ORIENT FMC WIRE ROPE – 8MM
6	GUIDE RAILS	SAVERA/MONTEFERRO
7	ELECTRICAL CABLES	SEECAB, MULTICORE SHEATHED CABLES
8	TRAVELING CABLES	SEECAB, MULTICORE SHEATHED CABLES
9	CAR PANELS AND DOOR PANELS	FABRICATED BY GRACE ELEVATORS
10	SLING/PLATFORM/BRACKETS	FABRICATED BY GRACE ELEVATORS
11	CONTROL SYSTEM	MANUFACTURED BY GRACE ELEVATORS