

Annexure-5: QAP for Passenger Elevator

										PAGE 1 OF 2			
SL NO	COMPONENTS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERE NCE DOCUM ENT	ACCEPTANCE NORMS	FORMAT OF RECORD	* D	AGENCY			REMARKS
										P	W	V	
1.0	RAW MATERIALS & BOUGHT OUT ITEMS												
1.1	Controller	Electrical	Critical	Functional Test Visual	100%	As per Drawing	As per Drawing	Test Certificate	√	2		1	
1.2	Brake Resistor	Electrical	Critical	Visual Resistance Test H.V. Test	100%	As per Drawing	As per Drawing	MTC	√	2		1	
1.3	Line Choke	Electrical	Critical	Visual H.V. Test	100%	As per Drawing	As per Drawing	MTC	√	2		1	
1.4	Flat Cable	Electrical	Critical	Visual	100%	As per BOM	As per BOM	MTC	√	2		1	
1.5	Inverter	Electrical	Critical	Visual	100%	As per BOM	As per BOM	IIR/MTC	√	2		1	
1.6	Limit Switches	Electrical	Critical	Visual	100%	As per BOM	As per BOM	IIR	√	2		1	
1.7	Car Operating	Electrical	Critical	Visual Continuity	100%	As per Drawing	As per Drawing	Test Certificate	√	2		1	
1.8	Traction Machine	Electrical	Critical		100%	As per BOM	As per BOM	MTC	√	2		1	
1.9	Over Speed Governor	Mechanical	Major	Visual	100%	As per BOM	As per BOM	MTC	√	2		1	
2.0	Suspension pulley	Mechanical Hardness Test Chemical	Critical Major	Dimensional BHN Materials Test	100%	As per Drawing	As per Drawing	IIR – Test Certificate	√	2		1	
2.1	Diverter Pulley	Mechanical Hardness Test Chemical	Critical Major	Dimensional BHN Materials Test	100%	As per Drawing	As per Drawing	IIR – Test Certificate	√	2		1	

LEGEND: P: PERFORM, W: WITNESS, V: VERIFICATION. INDICATE 1 FOR BHEL CQS (OR BHEL NOMINATED INSPECTION AGENCY) & 2 FOR VENDOR/SUB VENDOR AS APPROPRIATE AGAINST EACH COMPONENT /CHARACTERISTIC UNDER P, W & V COLUMNS. * FOR ITEMS MARKED ✓ (TICK) IN COLUMN 'D', TEST CERTIFICATES SHALL BE SUBMITTED TO BHEL FOR RECORDS.

PREPARED BY

VENDOR

APPROVED BY

TAMP

CUSTOMER SIGNATURE & STAMP

2.2	Car Guide Rail	Mechanical	Critical	Dimensional BHN Materials Test	Sample Lot	As per BOM	As per BOM	MTC	√	2		1	
2.3	CWT Guide Rail	Mechanical	Critical	Dimensional Materials Test	Sample Lot	As per BOM	As per BOM	MTC	√	2		1	
2.4	Wire Rope (Main Suspension)	Mechanical	Critical	Visual	Sample	DIN EN 12385- 4:2008-6	DIN EN 12385- 4:2008-6	MTC	√	2		1	
2.5	Wire Rope (SPGR)	Mechanical	Critical	Visual	Sample	DIN EN 12385- 4:2008-6	DIN EN 12385- 4:2008-6	MTC	√	2		1	
2.6	CWT Frame	Mechanical	Critical	Dimensional	100%	As per Drawing	As per Drawing	IIR	√	2		1	
2.7	Car Cabin	Mechanical	Critical	Dimensional	100%	As per Drawing	As per Drawing	IIR	√	2	1	1	
2.8	Buffer Spring	Mechanical Load	Critical	Dimensional Spring Load	Batch	As per Drawing	As per Drawing	MTC	√	2		1	
2.9	FINAL INSPECTION & TESTING		This Functional Test will be carried out at site as per the agreement had between client and BHEL and Vendor										

NOTES

- Functional test for car cabin and motor shall be carried out, same will be witnessed by TPIA.
- BOM check shall be done.

LEGEND: P: PERFORM, W: WITNESS, V: VERIFICATION. INDICATE 1 FOR BHEL CQS (OR BHEL NOMINATED INSPECTION AGENCY) & 2 FOR VENDOR/SUB VENDOR AS APPROPRIATE AGAINST EACH COMPONENT /CHARACTERISTIC UNDER P, W & V COLUMNS. * FOR ITEMS MARKED ✓ (TICK) IN COLUMN 'D', TEST CERTIFICATES SHALL BE SUBMITTED TO BHEL FOR RECORDS.

PREPARED

VENDOR'S SIGNATURE & STAMP

BHEL QA SIGNATURE & STAMP

APPROVED BY

CUSTOMER SIGNATURE & STAMP