	Title: Comprehensive Annual Maintenance Contract (CAMC) of Lifts 02 Nos. for 3 Years	GeM Bid No.
		GEM/2025/B/6263345

Technical Specification for Comprehensive Annual Maintenance Contract (CAMC) for 2 Nos. of Elevators at ITER-India Lab, IPR Campus

CAMC Period: 3 Years

Comprehensive Annual Maintenance Contract (CAMC)				
S. No.	Name / Description and Specification Of the AMC	Type of Elevator	No. of Elevator	Qty of Service/ Year/Elevator
1.	Comprehensive Maintenance with spares to Elevator – 1 and 2 of ITER India Lab Building at IPR . The scope also includes complying to all the applicable statutory regulations, including renewal of O & M License etc. The AMC rates shall be inclusive of free repairs / replacement (as the case may be), preventive and breakdown maintenance, all spares, components, parts etc. as well as labour & incidental costs, all taxes, including service tax, VAT, duties, freight, transportation, insurance, etc.	‘Kone’ make “Monospace” machine room less passenger Elevator of 1020 Kgs Capacity (15 passengers) with duplex control. Model Number: 40250785 and 40250786	2	12*


***Total Service to be provided during 3 years = 2 Lifts x 12 Service X 3 years = 72 Services**

This is the 7-module service to be provided by the AMC contractor. Total 7 nos. of following Modules with detailed check list are attached as **Annexure-1**.

1. Module 1: Basic Module
2. Module 2: Basic Inspection + Landing Door Module
3. Module 3: Basic Inspection + Machine Module + Control Panel Module
4. Module 4: Basic Inspection + Shaft Module
5. Module 5: Basic Inspection + Door Operator + Shaft Module
6. Module 6: Basic Inspection + Door Operator
7. Module 7: Basic Inspection + Landing Door Module + Machine Module + Control Panel Module

AMC provider will check one by one module on monthly basis and repeat it after completion of every 7 module. And submit the reports to ITER-India.

Note: ITER-India may extend the validity of order for further one year on the same rates and terms & conditions based on the satisfactory performance of the contractor during the CAMC period of three years.


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TERMS AND CONDITIONS:

- i. The mentioned work shall be carried out under direct supervision of responsible person along with at least two trained persons of the contractor and in the presence of personnel of ITER-India.
- ii. Care must be taken while carrying out the job to avoid any damage to equipment & property of IPR. Contractor has to pay for the cost of damage.
- iii. The schedule to carry out inspection and maintenance of Elevators shall be fixed at least seven days in advance by the contractor and engineer in charge-ITER-India, with mutual agreement. Any change in schedule must be intimated three days in advance.
- iv. Contractor shall be allowed to execute the work from 9.30 a.m. to 5.30 p.m. on all working days.
- v. Contractor shall respond promptly for any communication made by ITER-India via letter, e-mail or any other mode.
- vi. In case of inspection, servicing or repairing of the system is not carried out as per the schedule, proportionate deduction in payment will be done from the bill.
- vii. In case the contractor fails to carry out the work as per specified scope of work, ITER-India reserves the right to terminate the contract & get the work done from any other party at the risk & cost of contractor.
- viii. In case of failure to execute the scope of work and obey safety code by contractor, ITER-India shall issue the show cause notice. If found guilty, the contractor shall be penalized for Rs.1000/- (Rs One Thousand only) that shall be deducted from the payment due for the work. Work order shall automatically get void if the penalty imposed for three times.
- ix. Initially, the contract shall for the THREE Year only. Further extension may be based on vendor's performance and recommendation of the engineer in-charge.
- x. The AMC charges shall be made quarterly in arrears. During three years there shall be 12 quarters and hence 12 bills may be raised by the bidder.


DOWN TIME:

- i. In case of Emergency, the call should be attended within 2 Hours during office timing i.e. 9:00 am to 5:30 pm.
- ii. For normal breakdown- the lift should be restored within 2 days and for major breakdown- the lift should be restored within 1 week time.
- iii. If the Service Provider fails to complete the minor repairs and replacement within 2 days and repair major breakdown with 1 week to restore the lifts, ITER-INDIA will charge penalty @ 0.5% of total Service Order value per day till completing minor or major repairs/replacement subject to the maximum amount not exceeding 5% of total Order Value.
- iv. If the repairs/replacement are of Major nature which cannot be completed within 1 week, extension of time limit may be requested by the contractor to the Group Head -Infrastructure, ITER-India in writing and sanction may be given after reviewing the nature of problem. The decision of ITER-India in this regard shall be final and binding on the contractor.


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Annexure-1


Module	Module 1: Basic Module		
Module Sequence	Customer >> Lobby >> Car inside up >> Machine Room >> Shaft inside >> Car inside down >> Pit >> Machine Room >> Customer		
#	Task	Location	Direction
1	Check The Car Lighting	Car	Upward
2	Check The Car Interior	Car	Upward
3	Check The Capacity Plate	Car	Upward
4	Check The Alarm	Car	Upward
5	Check The Function Stop Button (If applicable)	Car	Upward
6	Test Function of The Safety Sill and Contact and Door Lintel Contact (Swing Door).	Car	Upward
7	Check That The Displays and Buttons	Car	Upward
8	Check The Condition Car Fan (If applicable)	Car	Upward
9	Check Operation of Advance Door Opening (If applicable)	Car Door	Upward
10	Check The Door Open Button (COP)	Car Door	Upward
11	Test The Car Door Closing Force	Car Door	Upward
12	Test Function of Curtain of Light	Car Door	Upward
13	Check The Sill Groove	Car Door	Upward
14	Check The Car Door and Guide Shoes	Car Door	Upward
15	Check The Condition of Door Handle(Manual Door)	Car Door	Upward
16	Check The Car Door Safety	Car	Upward
17	Check The Landing Buttons and Displays	Each Floor	Upward
18	Check The Stopping Accuracy	Each Floor	Upward
19	Check The Running Clearance	Each Floor	Upward
20	Check The Landing Door Frontage.	Each Floor	Upward
21	Check The Machine Manual Breaks	Control Room	Top Floor / Machine Room
22	Check The Re-Leveling Accuracy	Control Room	Top Floor / Machine Room
23	Check The Error Code	Control Room	Top Floor / Machine Room
24	Check The Function of Elcb	Control Room	Top Floor / Machine Room
25	Test Function of Emergency Light.	Control Room	Top Floor / Machine Room
26	Check The Intercom Voice Level	Control Room	Top Floor / Machine Room
27	Check Condition of Control Panel and Drive Module Interior	Control Room	Top Floor / Machine Room
28	Check The Connection of CVT	Control Room	Top Floor / Machine Room
29	Check The Rope Tension In The Counterweight Side Rope	Machine Room	Top Floor / Machine Room
30	Activate The Machine Stop Switch (If applicable)	Machine Room	Top Floor / Machine Room
31	Check Visually Machine and Pulley Guards	Machine Room	Top Floor / Machine Room
32	Check The OSG Spring Operation and Vertical Movements	Machine Room	Top Floor / Machine Room
33	Move The Car and Check The No Abnormal Noise In Brakes	Machine Room	Top Floor / Machine Room
34	Check Visually Fixings and Condition of Floor Selector.	Machine Room	Top Floor / Machine Room
35	Check Operation of Control Panel Stop Switch (If Applicable).	Machine Room	Top Floor / Machine Room
36	Check The Rescue Instructions.	Machine Room	Top Floor / Machine Room
37	Check The Rope Tension	Machine Room	Top Floor / Machine Room
38	Check The Condition and Lubrication of Suspension Ropes.	Shaft	Shaft Inside Down
39	Check Lubrication and Fil (If Needed)	Shaft	Shaft Inside Down
40	Check The Rope Tension In Car Thimbles	Shaft	Shaft Inside Down
41	Check The Car and CWT Divertor Pulleys and Rope Guards	Shaft	Shaft Inside Down
42	Check The Abnormal In Car Header	Shaft	Shaft Inside Down
43	Check The Coupler To Lock Latch Roller Clearance	Each Floor	Shaft Inside Down
44	Check The Landing Door Guide Shoes	Each Floor	Shaft Inside Down
45	Check The Condition of Landing Door and Guide Shoes	Each Floor	Shaft Inside Down
46	Check The Landing Door Contacts	Each Floor	Shaft Inside Down
47	Check Fixing of The Door Closer	Each Floor	Shaft Inside Down
48	Lubricate Hinges If Needed (Swing Door).	Each Floor	Shaft Inside Down
49	Check The Condition of Door Handle(Manual Door)	Each Floor	Shaft Inside Down
50	Check Visually The Oil Collectors (If Applicable).	Pit	Pit
51	Check Pit Lighting and Cleanliness.	Pit	Pit
52	Check Condition of Compensation Chain / Rope Guides (If Applicable).	Pit	Pit
53	Check The Ride Comfore	Each Floor	Both Direction

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Module	Module 2: Basic Inspection + Landing door Module		
Module Sequence	Customer >> Lobby >> Car inside up >> Landing door Module >> Car inside Down >> Pit >> Machine Room		
#	Task	Location	Direction
1	Check Car Lighting	Car	Upward
2	Check Visually That Mirror and Handrail	Car	Upward
3	Check The Signs at The Correct Position	Car	Upward
4	Check The Alarm and Intercom	Car	Upward
5	Check The Stop Button (If applicable)	Car	Upward
6	Check The Door Contacts	Car	Upward
7	Check That The Displays and Button Functions	Car	Upward
8	Check Condition of Car Fan (If applicable)	Car	Upward
9	Check Fixing of The Door Closer	Car Door	Upward
10	Check The Function of Door Open Button (COP)	Car Door	Upward
11	Check The Closing Force Limiter	Car Door	Upward
12	Test The Function Curtain of Light	Car Door	Upward
13	Check Visually Sill Groove	Car Door	Upward
14	Check The Car Door Guide Shoe	Car Door	Upward
15	Check The Fixing and Condition of The Handle	Car Door	Upward
16	Check The Car Door Safety	Car	Upward
17	Check The Landing Button and Displays	Each Floor	Upward
18	Check The Stopping Accuracy of Each Floor	Each Floor	Both Direction
19	Check The Running Clearance	Each Floor	Upward
20	Check The Landing Door Properly Fixed and Tidy	Each Floor	Upward
21	Check The Landing Door Locks and Guide Shoes	Each Floor	Upward
22	Check The Land Ing Door Contacts	Each Floor	Upward
23	Check Function of The Hinges	Each Floor	Upward
24	Check The Ride Comfort of The Car	Each Floor	Both Direction
25	Check The Fixing and Condition of The Handle	Each Floor	Upward
26	Check The Error Code	Control Panel	NA
27	Check The Condition of Control Panel	Control Panel	NA
28	Check The Function of Landing Door Mechanical Function	Landing	Shaft Inside Down
29	Check The Gap With In Door To Panels	Landing	Shaft Inside Down
30	Check That The Door Closes	Landing	Shaft Inside Down
31	Check That The Gap With In Door To Door Pane(Manual Door)	Landing	Shaft Inside Down
32	Check That The Railing is Clean and Properly Aligned and Fixed	Landing	Shaft Inside Down
33	Check That The Contact Surface is Free of Burns and Wear	Landing	Shaft Inside Down
34	Check That The Track Rollers	Landing	Shaft Inside Down
35	Check That The Anti-Tip Roller and Clearance	Landing	Shaft Inside Down
36	Check That The Syn Roller and Rope Also Rope Tension	Landing	Shaft Inside Down
37	Test The Operation of The Landing Door Lock Manually.	Landing	Shaft Inside Down
38	Check The Landing Door Lock Rollers.	Landing	Shaft Inside Down
39	Check The Interlocking	Landing	Shaft Inside Down
40	Check The Condition of Synchronization Rollers / Pulleys.	Landing	Shaft Inside Down
41	Check The Delocking	Landing	Shaft Outside Down
42	Check The Function of The Closing Weight	Landing	Shaft Inside Down
43	Check The Condition of The Closing Weight	Landing	Shaft Inside Down
44	Check The Condition of Syn Pulley	Landing	Shaft Inside Down
45	Check The Sill Connection To The Frame.	Landing	Shaft Inside Down
46	Check Condition, Integrity, Engagement and Fixings of The Bottom Guide Shoes and Fire Taps.	Landing	Shaft Inside Down

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47	Check Operation and Alignment of The Door Coupler and Lock Rollers.	Coupler	Shaft Inside Down
48	Check The Door Panel Surface From The Car Roof.	Landing	Shaft Inside Down
49	Check The Condition of Rcr	Landing	Shaft Inside Down
50	Check The Rcr To Lock Roller Gap	Landing	Shaft Inside Down
51	Check Condition and Fixing of Fire Insulation (If Applicable).	Landing	Shaft Inside Down
52	Check The Functioning Gate Contact.	Landing	Shaft Inside Down
53	Check The Condition of The Gate	Landing	Shaft Inside Down
54	Check The Movement of The Door	Landing	Shaft Inside Down
55	Check The Condition of Kick Rag	Landing	Shaft Inside Down
57	Check Visually Pit	Pit	Downward

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Module	Module 3: Basic Inspection + Machine Module + Control panel Module		
Module Sequence	Customer >> Lobby >> Car inside up >> Car inside Down >> Pit >> Machine Room		
#	Task	Location	Direction
1	Check Car Lighting	Car	Upward
2	Check Visually That Mirror and Handrail	Car	Upward
3	Check The Signs at The Correct Position	Car	Upward
4	Check The Alarm and Intercom	Car	Upward
5	Check The Stop Button (If applicable)	Car	Upward
6	Check The Door Contacts	Car	Upward
7	Check That The Displays and Button Functions	Car	Upward
8	Check Condition of Car Fan (If applicable)	Car	Upward
9	Check Fixing of The Door Closer	Car Door	Upward
10	Check The Function of Door Open Button (COP)	Car Door	Upward
11	Check The Closing Force Limiter	Car Door	Upward
12	Test The Function Curtain of Light	Car Door	Upward
13	Check Visually Sill Groove	Car Door	Upward
14	Check The Car Door Guide Shoe	Car Door	Upward
15	Check The Fixing and Condition of The Handle	Car Door	Upward
16	Check The Car Door Safety	Car	Upward
17	Check The Landing Button and Displays	Each Floor	Upward
18	Check The Stopping Accuracy of Each Floor	Each Floor	Both Direction
19	Check The Running Clearance	Each Floor	Upward
20	Check The Landing Door Properly Fixed and Tidy	Each Floor	Upward
21	Check The Landing Door Locks and Guide Shoes	Each Floor	Upward
22	Check The Land Ing Door Contacts	Each Floor	Upward
23	Check Function of The Hinges	Each Floor	Upward
24	Check The Ride Comfort of The Car	Each Floor	Both Direction
25	Check The Fixing and Condition of The Handle	Each Floor	Upward
26	Check The Error Code	Control Panel	NA
27	Check The Condition of Control Panel	Control Panel	NA
28	Check Visually Machine Room	Machine & Controller	NA
29	Check The Condition of Overall Machine	Machine & Controller	NA
30	Check The During The Running and Stopping of The Elevator (No Noises & Shaking)	Machine & Controller	NA
31	Oil Level Must Be Within Defined Limits	Machine & Controller	NA
32	Verify That The Machine isolations and In Good Condition	Machine & Controller	NA
33	Check Visually Machine Brakes	Machine & Controller	NA
34	Check That All Fixings Are In Proper Condition	Machine & Controller	NA
35	Check That The Brake Liner In Good Condition	Machine & Controller	NA
36	Check The Running Surface For The Wheel	Machine & Controller	NA
37	Check The Condition of Wires Fixing and Shieldings	Machine & Controller	NA
38	Check The Condition of Encoder	Machine & Controller	NA
39	All Ropes Should Sit In The Traction Sheave Grooves at The Same Level	Machine & Controller	NA
40	Activate The OSG Switch By Hand	Machine & Controller	NA
41	Check The Operation of The Broken Strand Detector / Switch	Machine & Controller	NA
42	Check The Spring Length of The Suspension Rope Anchors	Machine & Controller	NA
43	The Power Switched off, Check For Excessive Carbon Buildup	Motor	NA
44	The Power Switched off, Check That The Armature Has Proper 360 Running Clearance	Motor	NA

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45	Lubricate All Motor and Generator Bearing (If Needed)	Motor	NA
46	Ensure That The Oil Ring Or Chain is Carrying Oil	Motor	NA
47	Check Brush Rigging, Insulators, Fastenings and Spring Tension on Brush Holders.	Motor	NA
48	Check The Function of Floor Selector (If Applicable).	Machine room	NA
49	Check The Light of The Control Panel	Control Panel	NA
50	No Excessive Noise During Operation Or Visible Dust	Control Panel	NA
51	Check That All Cables Are Ing Good Condition	Control Panel	NA
52	Check The Main Line Entries Must Be Properly Fixed and Intact	Control Panel	NA
53	Load Weighing Device May Drift (Depend of The Load Weigh)	Control Panel	Shaft Inside (Car Top)
54	Check The Adjustment of Thermal Safety Devices, Drive Time Supervision and The Speed Change Operation (2-Speed Elevators).	Control Panel	NA
55	Check That The Fuse Rating	Control Panel	NA
56	Check That The Indicator Light	Control Panel	NA
57	Note The Reading of The Start Counter (If Applicable).	Control Panel	NA
58	Clean The Air Filters (If Applicable).	Control Panel	NA
59	Check Function and Condition of The Fans (If Applicable).	Control Panel	NA
60	Check Star / Delta Bistable Switch, Soft Starter.	Control Panel	NA
61	Check The Date of The Last Replacement of The Emergency Alarm Battery.	Control Panel	NA
62	Check Operation of Remote / Local Alarm System If Separate Battery Used For Alarm system	Control Panel	NA
63	Check Condition of Group Controller and Ups, If Applicable.	Control Panel	NA
64	Check The Last Replacement Date of Edb-Battery.	Control Panel	NA
65	Check Visually Pit	Pit	Downward

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Module	Module 4: Basic Inspection + Shaft Module		
Module Sequence	Customer >> Lobby >> Car inside up >> Car inside Down >> Shaft >> Pit >> Machine Room		
#	Task	Location	Direction
1	Check Car Lighting	Car	Upward
2	Check Visually That Mirror and Handrail	Car	Upward
3	Check The Signs at The Correct Position	Car	Upward
4	Check The Alarm and Intercom	Car	Upward
5	Check The Stop Button (If applicable)	Car	Upward
6	Check The Door Contacts	Car	Upward
7	Check That The Displays and Button Functions	Car	Upward
8	Check Condition of Car Fan	Car	Upward
9	Check Fixing of The Door Closer	Car Door	Upward
10	Check The Function of Door Open Button (COP)	Car Door	Upward
11	Check The Closing Force Limiter	Car Door	Upward
12	Test The Function Curtain of Light	Car Door	Upward
13	Check Visually Sill Groove	Car Door	Upward
14	Check The Car Door Guide Shoe	Car Door	Upward
15	Check The Fixing and Condition of The Handle	Car Door	Upward
16	Check The Car Door Safety	Car	Upward
17	Check The Landing Button and Displays	Each Floor	Upward
18	Check The Stopping Accuracy of Each Floor	Each Floor	Both Direction
19	Check The Running Clearance	Each Floor	Upward
20	Check The Landing Door Properly Fixed and Tidy	Each Floor	Upward
21	Check The Landing Door Locks and Guide Shoes	Each Floor	Upward
22	Check The Land Ing Door Contacts	Each Floor	Upward
23	Check Function of The Hinges	Each Floor	Upward
24	Check The Ride Comfort of The Car	Each Floor	Both Direction
25	Check The Fixing and Condition of The Handle	Each Floor	Upward
26	Check The Error Code	Control Panel	NA
27	Check The Condition of Control Panel	Control Panel	NA
28	Check The OSG Rope Fixing Bolts	Car Roof	Car Top
29	Verify the Function of The Safety Gear Linkage	Car Roof	Car Top
30	Check The Headroom Buffers (If applicable)	Car Roof	Top Floor
31	Check The Car Shoe Play	Car Roof	Car Top
32	Check The Top Limit Switch	Car Roof	Top Floor
33	Check The Operation and Fixing of The Trap Door (If applicable)	Car Roof	Top Floor
34	Check The Alarm Battery (If applicable)	Car Roof	NA
35	Check The Rope Tension	Car Roof	Top Floor
36	Check The Car Position Switches	Shaft	Shaft Inside Down
37	Check The Divertor Pulley and Pulley Guards	Shaft	Car Top
38	Check The Spring Level of The Car Side	Shaft	Car Top
39	Check Operation of Slack Rope Switch (If Applicable).	Shaft	Car Top
40	Check The Condition and Lubrication of Suspension Ropes.	Shaft	Car Top
41	Check The Condition of Over speed Governor Rope.	Shaft	Shaft Inside Down
42	Check The CWT Divertor Pulleys and Guards Also Filler Weights	Shaft	Shaft Inside Down
43	Check The CWT Shoe Play	Shaft	Shaft Inside Down
44	Fill The Car and CWT Oil Cup	Shaft	Shaft Inside Down
45	Check The Safety Gear Linkage and Fixing of The OSG Rope	Shaft	Shaft Inside Down

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46	Check For Wire Break and Wear and Tear	Shaft	Shaft Inside Down
47	Check Condition of The Seismic Detectors (If Applicable).	Shaft	Shaft Inside Down
48	Check The Tightness of Junction Box All Wires	Shaft	Shaft Inside Down
49	Check The Condition of Traveling Cable and Fixing	Shaft	Shaft Inside Down
50	Check Visually Pit	Pit	Bottom Floor
51	Check The Condition of Pulleys Under The Car and on The Pit.	Pit	Bottom Floor
52	Check The Condition of Lower Guide Shoes of The Car.	Pit	Bottom Floor
53	Check The Over speed Governor Tension Weight Assembly.	Pit	Pit
54	Check The Function of Buffers Also Function	Pit	Pit
55	Check The Condition of Traveling Cable and Fixing	Pit	Bottom Floor
56	Check The CWT Run by	Pit	Pit
57	Check The Pulley and Switch of The Compensators	Pit	Pit
58	Check The Alignment of The Compensation Rope	Pit	Pit
59	Check The Compensation Chain / Flex Guides.	Pit	Pit
60	Check The Guide Rail Jack Bolts.	Pit	Pit
61	Check The Fixing of Counter Guards	Pit	Pit
62	Check The Function of Pit Switches	Pit	Pit
63	Check The Fixings and Condition of Tapes, Ropes and Pulleys of Floor Selector.	Pit	Pit

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Module	Module 5: Basic Inspection + Door Operator + Shaft Module		
Module Sequence	Customer >> Lobby >> Car inside up >> Car inside Down >> Shaft >> Pit >> Machine Room		
#	Task	Location	Direction
1	Check Car Lighting	Car	Upward
2	Check Visually That Mirror and Handrail	Car	Upward
3	Check The Signs at The Correct Position	Car	Upward
4	Check The Alarm and Intercom	Car	Upward
5	Check The Stop Button (If applicable)	Car	Upward
6	Check The Door Contacts	Car	Upward
7	Check That The Displays and Button Functions	Car	Upward
8	Check Condition of Car Fan(If applicable)	Car	Upward
9	Check Fixing of The Door Closer	Car Door	Upward
10	Check The Function of Door Open Button (COP)	Car Door	Upward
11	Check The Closing Force Limiter	Car Door	Upward
12	Test The Function Curtain of Light	Car Door	Upward
13	Check Visually Sill Groove	Car Door	Upward
14	Check The Car Door Guide Shoe	Car Door	Upward
15	Check The Fixing and Condition of The Handle	Car Door	Upward
16	Check The Car Door Safety	Car	Upward
17	Check The Landing Button and Displays	Each Floor	Upward
18	Check The Stopping Accuracy of Each Floor	Each Floor	Both Direction
19	Check The Running Clearance	Each Floor	Upward
20	Check The Landing Door Properly Fixed and Tidy	Each Floor	Upward
21	Check The Landing Door Locks and Guide Shoes	Each Floor	Upward
22	Check The Land Ing Door Contacts	Each Floor	Upward
23	Check Function of The Hinges	Each Floor	Upward
24	Check The Ride Comfort of The Car	Each Floor	Both Direction
25	Check The Fixing and Condition of The Handle	Each Floor	Upward
26	Check The Error Code	Control Panel	Machine Room
27	Check The Condition of Control Panel	Control Panel	Machine Room
28	Check The Condition of Door To Door Pane	Car Door	Shaft Inside Down
29	No Loose Connection of Car Sill	Car Door	Shaft Inside Down
30	Check the Car Door Shoes	Car Door	Shaft Inside Down
31	Check For Proper Fixing In Apron	Car Door	Pit
32	Check That The Car Door Function	Door Operator	Top Floor
33	Move The Car Door ,No Abnormal Noise From The Pulley	Door Operator	Top Floor
34	Check Proper Fixings of Door Motor(Clean If Needed)	Door Operator	Top Floor
35	Check The tightness of The Belt	Door Operator	Top Floor
36	Check That The Function of Safety Device	Door Operator	Top Floor
37	Check That The Earth Connection of All Electrical Device (Header)	Door Operator	Top Floor
38	Check The Oil Level (If Applicable)	Door Operator	Top Floor

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39	Check Condition of Retiring Cam Bellow (only For Manual Door).	Door Operator	Bottom Floor
40	Check The Condition and Alignment of The Door Contact.	Car Header	Top Floor
41	Check Alignment of The Railing. Clean If Needed.	Car Header	Top Floor
42	Check That The Track Rollers	Car Header	Top Floor
43	Check That The Anti-Tip Rollers	Car Header	Top Floor
44	Check That The Synchro Rope	Car Header	Top Floor
45	Check That The Syn Rollers	Car Header	Top Floor
46	Check The Operation of Car Door Lock Opening Device (If Applicable).	Car Header	Top Floor
47	Check The OSG Rope Fixing Bolts	Car Top	Car Top
48	Verify the Function of The Safety Gear Linkage	Car Top	Car Top
49	Check The Headroom Buffers	Car Top	Top Floor
50	Check The Car Shoe Play	Car Top	Car Top
51	Check The Top Limit Switch	Car Top	Top Floor
52	Check The Operation and Fixing of The Trap Door	Car Top	Top Floor
53	Check The Alarm Battery	Car Top	Machine Room
54	Check The Rope Tension	Car Top	Top Floor
55	Check The Car Position Switches	Car Top	Shaft Inside Down
56	Check The Divertor Pulley and Pulley Guards	Shaft	Car Top
57	Check The Spring Level of The Car Side	Shaft	Car Top
58	Check Operation of Slack Rope Switch (If Applicable).	Shaft	Car Top
59	Check The Condition and Lubrication of Suspension Ropes.	Shaft	Car Top
60	Check The Condition of Over speed Governor Rope.	Shaft	Shaft Inside Down
61	Check The CWT Divertor Pulleys and Guards Also Filler Weights	Shaft	Shaft Inside Down
62	Check The CWT Shoe Play	Shaft	Shaft Inside Down
63	Fill The Car and CWT Oil Cup	Shaft	Shaft Inside Down
64	Check The Safety Gear Linkage and Fixing of The OSG Rope	Shaft	Shaft Inside Down
65	Check For Wire Break and Wear and Tear	Shaft	Shaft Inside Down
66	Check Condition of The Seismic Detectors (If Applicable).	Shaft	Shaft Inside Down
67	Check The Tightness of Junction Box All Wires	Shaft	Shaft Inside Down
68	Check The Condition of Traveling Cable and Fixing	Shaft	Shaft Inside Down
69	Check Visually Pit	Pit	Downward
70	Check The Condition of Pulleys Under The Car and on The Pit.	Pit	Bottom Floor
71	Check The Condition of Lower Guide Shoes of The Car.	Pit	Bottom Floor
72	Check The Over speed Governor Tension Weight Assembly.	Pit	Pit
73	Check The Function of Buffers Also Function	Pit	Pit
74	Check The Condition of Traveling Cable and Fixing	Pit	Bottom Floor
75	Check The CWT Run by	Pit	Pit
76	Check The Pulley and Switch of The Compensators	Pit	Pit
77	Check The Alignment of The Compensation Rope	Pit	Pit
78	Check The Compensation Chain / Flex Guides.	Pit	Pit
79	Check The Guide Rail Jack Bolts.	Pit	Pit
80	Check The Fixing of Counter Guards	Pit	Pit
81	Check The Function of Pit Switches	Pit	Pit
82	Check The Fixings and Condition of Tapes, Ropes and Pulleys of Floor Selector.	Pit	Pit

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Module	Module 6: Basic Inspection + Door Operator		
Module Sequence	Customer >> Lobby >> Car inside up >> Car inside Down >> Shaft >> Pit >> Machine Room		
#	Task	Location	Direction
2	Check Car Lighting	Car	Upward
3	Check Visually That Mirror and Handrail	Car	Upward
4	Check The Signs at The Correct Position	Car	Upward
5	Check The Alarm and Intercom	Car	Upward
6	Check The Stop Button (If applicable)	Car	Upward
7	Check The Door Contacts	Car	Upward
8	Check That The Displays and Button Functions	Car	Upward
9	Check Condition of Car Fan(If applicable)	Car	Upward
10	Check Fixing of The Door Closer	Car Door	Upward
11	Check The Function of Door Open Button(COP)	Car Door	Upward
12	Check The Closing Force Limiter	Car Door	Upward
13	Test The Function Curtain of Light	Car Door	Upward
14	Check Visually Sill Groove	Car Door	Upward
15	Check The Car Door Guide Shoe	Car Door	Upward
16	Check The Fixing and Condition of The Handle	Car Door	Upward
17	Check The Car Door Safety	Car	Upward
18	Check The Landing Button and Displays	Each Floor	Upward
19	Check The Stopping Accuracy of Each Floor	Each Floor	Both Direction
20	Check The Running Clearance (30mm)	Each Floor	Upward
21	Check The Landing Door Properly Fixed and Tidy	Each Floor	Upward
22	Check The Landing Door Locks and Guide Shoes	Each Floor	Upward
23	Check The Land Ing Door Contacts	Each Floor	Upward
24	Check Function of The Hinges	Each Floor	Upward
25	Check The Ride Comfort of The Car	Each Floor	Both Direction
26	Check The Fixing and Condition of The Handle	Each Floor	Upward
27	Check The Error Code	Control Panel	Machine Room
28	Check The Condition of Control Panel	Control Panel	Machine Room
29	Check The Condition of Door To Door Pane	Car Door	Shaft inside down
30	No Loose Connection of Car Sill	Car Door	Shaft inside down
31	Check That The Car Door Shoes	Car Door	Shaft inside down
32	Check For Proper Fixing In Apron	Car Door	Pit
33	Check Visually Pit	Pit	Downward
34	Check That The Car Door Function	Door Operator	Top Floor
35	Move The Car Door ,No Abnormal Noise From The Pulley	Door Operator	Top Floor
36	Check Proper Fixings Door Motors(Clean If Needed)	Door Operator	Top Floor
37	Check That The Tightness of The Belt	Door Operator	Top Floor
38	Check That The Function of Safety Device	Door Operator	Top Floor
39	Check That The Earth Connection of All Electrical Device (Header)	Door Operator	Top Floor
40	Check The Oil Level	Door Operator	Top Floor
41	Check Condition of Retiring Cam Bellow (only For Manual Door).	Door Operator	Bottom Floor

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42	Check The Condition and Alignment of The Door Contact.	Car Header	Top Floor
43	Check Alignment of The Railing. Clean If Needed.	Car Header	Top Floor
44	Check That The Track Rollers	Car Header	Top Floor
45	Check That The Anti-Tip Rollers	Car Header	Top Floor
46	Check That The Syn Rope	Car Header	Top Floor
47	Check That The Syn Rollers	Car Header	Top Floor
48	Check The Operation of Car Door Lock Opening Device (If Applicable).	Car Header	Top Floor

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Module	Module 7: Basic Inspection + Landing Door + Machine + Control Pane Module		
Module Sequence	Customer >> Lobby >> Car inside up >> Car inside Down >> Shaft >> Pit >> Machine Room		
#	Task	Location	Direction
1	Check Car Lighting	Car	Upward
2	Check Visually That Mirror and Handrail	Car	Upward
3	Check The Signs at The Correct Position	Car	Upward
4	Check The Alarm and Intercom	Car	Upward
5	Check The Stop Button (If applicable)	Car	Upward
6	Check The Door Contacts	Car	Upward
7	Check That The Displays and Button Functions	Car	Upward
8	Check Condition of Car Fan(if applicable)	Car	Upward
9	Check Fixing of The Door Closer	Car Door	Upward
10	Check The Function of Door Open Button(COP)	Car Door	Upward
11	Check The Closing Force Limiter	Car Door	Upward
12	Test The Function Curtain of Light	Car Door	Upward
13	Check Visually Sill Groove	Car Door	Upward
14	Check The Car Door Guide Shoe	Car Door	Upward
15	Check The Fixing and Condition of The Handle	Car Door	Upward
16	Check The Car Door Safety	Car	Upward
17	Check The Landing Button and Displays	Each Floor	Upward
18	Check The Stopping Accuracy of Each Floor	Each Floor	Both Direction
19	Check The Running Clearance	Each Floor	Upward
20	Check The Landing Door Properly Fixed and Tidy	Each Floor	Upward
21	Check The Landing Door Locks and Guide Shoes	Each Floor	Upward
22	Check The Land Ing Door Contacts	Each Floor	Upward
23	Check Function of The Hinges	Each Floor	Upward
24	Check The Ride Comfort of The Car	Each Floor	Both Direction
25	Check The Fixing and Condition of The Handle	Each Floor	Upward
26	Check The Error Code	Control Panel	Machine Room
27	Check The Condition of Control Panel	Control Panel	Machine Room
28	Check The Function of Landing Door Mechanical Function	Landing	Shaft Inside Down
29	Check The Gap With In Door To Panels	Landing	Shaft Inside Down
30	Check That The Door Closes	Landing	Shaft Inside Down
31	Check That The Gap With In Door To Door Pane(Manual Door)	Landing	Shaft Inside Down
32	Check That The Railing is Clean and Properly Aligned and Fixed	Landing	Shaft Inside Down
33	Check That The Contact Surface is Free of Burns and Wear	Landing	Shaft Inside Down
34	Check That The Track Rollers	Landing	Shaft Inside Down
35	Check That The Anti-Tip Roller and Clearance	Landing	Shaft Inside Down
36	Check That The Syn Roller and Rope Also Rope Tension	Landing	Shaft Inside Down
37	Test The Operation of The Landing Door Lock Manually.	Landing	Shaft Inside Down
38	Check The Landing Door Lock Rollers.	Landing	Shaft Inside Down
39	Check The Interlocking	Landing	Shaft Inside Down
40	Check The Condition of Synchronization Rollers / Pulleys.	Landing	Shaft Inside Down
41	Check The Delocking	Landing	Shaft Outside Down
42	Check The Function of The Closing Weight	Landing	Shaft Inside Down
43	Check The Condition of The Closing Weight	Landing	Shaft Inside Down
44	Check The Condition of Syn Pulley	Landing	Shaft Inside Down
45	Check The Sill Connection To The Frame.	Landing	Shaft Inside Down

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46	Check Condition, Integrity, Engagement and Fixings of The Bottom Guide Shoes and Fire Taps.	Landing	Shaft Inside Down
47	Check Operation and Alignment of The Door Coupler and Lock Rollers.	Coupler	Shaft Inside Down
48	Check The Door Panel Surface From The Car Roof.	Swing Door	Shaft Inside Down
49	Check The Condition of Rcr	Swing Door	Shaft Inside Down
50	Check The Rcr To Lock Roller Gap	Swing Door	Shaft Inside Down
51	Check Condition and Fixing of Fire Insulation (If Applicable).	Swing Door	Shaft Inside Down
52	Check The Functioning Gate Contact.	Swing Door	Shaft Inside Down
53	Check The Condition of The Gate	Swing Door	Shaft Inside Down
54	Check The Movement of The Door	Swing Door	Shaft Inside Down
55	Check The Condition of Kick Rag	Swing Door	Shaft Inside Down
56	Check Visually Machine Room	Machine	Machine Room
57	Check The Condition of Overall Machine	Machine	Machine Room
58	Check The During The Running and Stopping of The Elevator (No Noises & Shaking)	Machine	Machine Room
59	Oil Level Must Be Within Defined Limits	Machine	Machine Room
60	Verify That The Machine isolations and In Good Condition	Machine	Machine Room
61	Check Visually Machine Brakes	Machine	Machine Room
62	Check That All Fixings Are In Proper Condition	Machine	Machine Room
63	Check That The Brake Liner In Good Condition	Machine	Machine Room
64	Check The Running Surface For The Wheel	Machine	Machine Room
65	Check The Condition of Wires Fixing and Shieldings	Machine	Machine Room
66	Check The Condition of Encoder	Machine	Machine Room
67	All Ropes Should Sit In The Traction Sheave Grooves at The Same Level	Machine	Machine Room
68	Activate The OSG Switch By Hand	Machine	Machine Room
69	Check The Operation of The Broken Strand Detector / Switch	Machine	Machine Room
70	Check The Spring Length of The Suspension Rope Anchors	Machine	Machine Room
77	Check The Light of The Control Panel	Control Panel	Machine Room
78	No Excessive Noise During Operation Or Visible Dust	Control Panel	Machine Room
79	Check That All Cables Are In Good Condition	Control Panel	Machine Room
80	Check The Main Line Entries Must Be Properly Fixed and Intact	Control Panel	Machine Room
81	Load Weighing Device May Drift (Depend of The Load Weigh)	Control Panel	Shaft Inside Down
82	Check The Adjustment of Thermal Safety Devices, Drive Time Supervision and The Speed Change Operation (2-Speed Elevators).	Control Panel	Machine Room
83	Check That The Fuse Rating	Control Panel	Machine Room
84	Check That The Indicator Light	Control Panel	Machine Room
85	Note The Reading of The Start Counter (If Applicable).	Control Panel	Machine Room
86	Clean The Air Filters (If Applicable).	Control Panel	Machine Room
87	Check Function and Condition of The Fans (If Applicable).	Control Panel	Machine Room
88	Check Star / Delta Bistable Switch, Soft Starter.	Control Panel	Machine Room
89	Check The Date of The Last Replacement of The Emergency Alarm Battery.	Control Panel	Machine Room
90	Check Operation of Remote / Local Alarm System If Separate Battery Used For Alarm System.	Control Panel	Machine Room
91	Check Condition of Group Controller and Ups, If Applicable.	Control Panel	Machine Room
92	Check The Last Replacement Date of Edb-Battery.	Control Panel	Machine Room
93	Check Visually Pit	Pit	Downward