

APPOINTMENT OF SPECIALIST LIFTS CONTRACTORS FOR THE SERVICE, MAINTENANCE AND REPAIRS OF STAIRCASE AND PLATFORM LIFT SYSTEMS AT SENTECH HEAD OFFICE FOR A PERIOD OF 3 YEARS.

THE SCOPE OF WORK

The Service Provider is appointed to provide quarterly maintenance and services to the one (1) Vertical platform lift and the four (4) Stair platform lifts at Sentech Head Office, as follows:

1.1 Lift information:

1.1.1 Vertical **Passenger Platform Lift situated outside Auditorium:**

- Manufacturer: Aritco Platform Lift;
- Model: Aritco 7000;
- Rated Load: 410kg or 5 persons;
- Speed: 0.15m/s max;
- Control: Automatic run control on landings and from the carrier;
- Drive System: Screw/nut;
- Motor: Short circuited motor 2.2kW;
- Fuse: 16 A delayed action;
- Rated Voltage: 230 VAC/9 A;
- Control Voltage: 48 VAC; and

1.1.2 Stairs **Wheelchair Platform Lifts**

1.1.2.1

- Manufacturer: Hiro 350 Stair Platform Lift (straight)
- Rated load: 230kg;
- Speed: 0.1m/s inclined Travel;
- Drive: Electric motor;
- Control: Electronic, straight rail; and **with battery backup**

1.1.2.2

- Manufacturer: Hiro 320 Stair Platform Lift curve
- Rated load: 230kg;
- Speed: 0.1m/s inclined Travel;
- Drive: Electric motor;
- Control: Electronic, Curved Rail with battery backup;

1.2 Maintenance Service Schedule:

Below is the maintenance service schedule when providing the service which must be in line with checking and testing of all the parts/components of the lifts to ensure that they are in place, undamaged, and functioning correctly, as well as the provision of service parts and materials associated with normal wear and tear. **the maintenance service schedule is as, but not limited to the below-listed items (1.2.1). for any items not listed in the table below but are required for the fully operation of the lift shall remain the responsibility of the service provider (contractor)**

1.2.1 Vertical **Passenger** Platform Lift – Monthly Service Schedule:

Item	Description
1	Ride the lift and observe performance, levelling, floor stops, door opening and closing operation, and noise.
2	Test safety edges, door open push buttons, and alarm bell.
3	Check the operation of automatic door openers.
4	Check the complete safety circuit.
5	Clean, inspect and lubricate the screw.
6	Top up screw oil (if required).
7	Check the tension and condition of the drive belt.
8	Inspect levelling and limit switches.
9	Check and clean shoes.
10	Adjust motor control and perform logic systems operation check.
11	Check all screws and rivets.
12	Check the emergency lowering.
13	Check operation of emergency phone.
14	Check all cover panels.
15	Clean the Lift and pit.

1.2.2 **4x Stair Wheelchair** Platform Lifts: Monthly Service Schedule

Item	Description
1	Brake to stop with full load before reaching final limit.
2	Safety gear is easy to operate without friction or excessive slack.
3	The drive mechanism for safety and wear and tear.
4	Anti-crushing & anti trapping devices.
5	Stop the unit and allow reverse operation.
6	Overrun limit.
7	Check traction pinion teeth and nylon rollers are not worn.

Item	Description
8	Chain or rope wear.
9	Check all emergency operations.
10	Motor fixings.
11	Gear box fixings.
12	Clean slip rings on rail and pick up brushes.
13	Rail fixing for security.
14	Safety gear switch does operate.
15	Clean and check cable weight in trough if fitted.
16	Trailing cable condition if fitted.
17	Key switches.
18	Limit switches terminal and over travel.
19	Lubricate only where necessary.
20	Control panel connections.
21	Earthing of installation.
22	Guide rollers.
23	Motorized Auxiliaries.
24	No vibration or jerks occur especially on curves.

#	Description	Unit of measure	Quantity	Rate per item	Total (VAT Excl.)	Total (VAT Excl.)	Total (VAT Excl.)	Total (VAT Excl.)	Total (VAT Excl.)
					year 1	year 2	year 3	year 4	year 5
					Quantity x Rate x 12 month	Quantity x Rate x 12 months + escalation	Quantity x Rate x 12 months + escalation	Quantity x Rate x 12 months + escalation	Quantity x Rate x 12 months + escalation
1	Monthly Service, maintenance, and repairs of the Vertical Passenger Platform Lift as per 1.2.1 above (including maintenance register)	Month	1						
Platform Passenger Lift Cost of replacement items (Add hoc pricing)									
1.1	Battery 24Volt 3.4Ah (2x12Volt)		2						
1.2	Lift Motor (400 Volt - 2,2Kw)		1						
1.3	Emergency Motor (24Volt)		1						
1.4	Call button, floor		2						
1.5	Control System (U1)		1						
1.6	I/O Door Module (U3)		1						
1.7	I/O Shaft Module (U5)		1						
1.8	Drive Belts		2						
1.9	Faltcom GSM Gateway		1						
1.10	Drive Screw		1						
1.11	Drive Nut		1						
1.12	Door Opener		3						
1.13	Call-out fee including travelling cost		9						
1.14	As per SANS 1545-1:2009. Safety Rules for the construction and installation of lifts. To be carried out by an independent valid ECSA registered Lift	No	3						

inspector. Including necessary Tests/certification every 2 years.								
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#	Item	Unit of measure	Quantity	Cost per item	Total (VAT Excl.) year 1	Total (VAT Excl.) year 2	Total (VAT Excl.) year 3
1	Monthly Service, maintenance, and repairs of the Stairs <i>Wheelchair Platform Lifts as per 1.2.2 above (including maintenance register)</i>	Month	4				
<i>Stair Wheelchair Platform Lift Cost of replacement items (Add hoc pricing)</i>							
1	P40 Control Board		4				
2	24V DC drive motor		4				
3	Wall mounted Call button		8				
4	220V/24VDC power supply		4				
5	Accuator		4				
6	12V 9Ah Battery		8				
7	<i>Call-out fee including travelling cost</i>		9				

	Total Excl VAT	Total Incl VAT
Service of Vertical Passenger Platform Lift. Year 1, 2 & 3		
Ad hoc fee. Vertical Passenger Platform		
Service of Stair Wheelchair Platform Lift. Year 1, 2 & 3		
Ad Hoc fee. Stair Wheelchair Platform Lift		