



Scope of work and BOQ

Detailed scope of work

The Airports Company South Africa requires a suitably qualified contractor with experience in Fire Systems and equipment maintenance and service.

The scope entails maintenance of fire system infrastructure at Bram Fitcher International Airport for the period of 36 months. In brief, maintenance involves servicing, repairs, replacement and system performance test. The fire system infrastructure comprises of:

- Fire Extinguishers;
- Fire Hose Reels;
- Fire Hydrants;
- Fire Detection System;
- Fire Suppression System;
- Booster pump stations; and
- Fire Escape Equipment.

Servicing - performing routine preventive maintenance as prescribed by the original equipment manufacturer (OEM) specifications and ACSA's planned maintenance activities routes. All work shall comply to the requirements of: SANS 10400-part T, SANS 1475, SANS 10139, SANS 10287 and SANS 246 as a minimum, OHS ACT regulations and all other legislation that might be relevant to this Contract and the execution thereof

Repairs – responding to breakdowns, call-outs and restoring the equipment to a safe working condition.

Replacement – changing of faulty components or obsolete components with an upgraded part or modification.

System Performance Test – Testing the system's performance as per the original equipment manufacture's (OEM) specifications including interface` with lifts, air-conditioning system, smoke extraction fans, etc.

Statutory Tests – performing annual statutory tests in line with OHS Act 85 of 1993 and related regulations and SANS 10400-part T, SANS 1475, SANS 10139, SANS 10287 and SANS 246 as a minimum, OHS ACT regulations and all other legislation that might be relevant to this Contract and the execution thereof.

Booster pump station

The contractor will be responsible for servicing, repairing, replacement of components (where required), system performance test and statutory tests/inspections (where required)) of the diesel engine, pumps, electrical motors and control panels in accordance with SANS 10287.

Fire Escape Equipment

The contractor will be responsible for servicing, repairing, replacement of components (where required), system performance test and statutory tests/inspections (where required) of the fire escape equipment (door break glass, sounders, signage, door closer, etc.)

Fire system Equipment for bill of quantity (BOQ)

Fire Extinguishers		
Item	Unit Type	Location
1	9kg DCP	Apron office
2	9kg DCP	Apron office
3	9kg DCP	Apron office
4	9kg DCP	Apron office
5	2kg CO2	Apron office
6	5kg CO2	Maintenance contractor building
7	9kg DCP	Maintenance contractor building
8	6.8kg CO2	Oil store
9	9kg DCP	Petrol pump
10	9kg DCP	ATNS workshop
11	9kg DCP	ATNS workshop
12	4.5kg DCP	Maintenance building
13	4.5kg DCP	Maintenance building
14	9kg DCP	Maintenance store
15	9kg DCP	maintenance carport
16	9kg DCP	maintenance carport
17	9kg DCP	Generator room
18	9kg DCP	Generator room
19	9kg DCP	Generator room
20	6.8kg CO2	Generator room
21	6.8kg CO2	Substation A
22	6.8kg CO2	Substation A
23	6.8kg CO2	Substation A
24	5kg CO2	Substation A
25	9kg DCP	Electrical workshop
26	5kg CO2	Conveyer belt
27	5kg CO2	Conveyer belt
28	9kg DCP	HBS
29	5kg CO2	Between bay 3&4
30	9kg DCP	Between bay 3&4
31	5kg CO2	Between bay 2&3
32	9kg DCP	Between bay 2&3
33	5kg CO2	Bay 1
34	9kg DCP	Bay 1
35	5kg CO2	Fuel station Apron
36	9kg DCP	Fuel station Apron

37	9kg DCP	Chiller plant
38	9kg DCP	Caurasel
39	9kg DCP	Caurasel
40	9kg DCP	Caurasel
41	9kg DCP	R3
42	9kg DCP	R3
43	5kg CO2	R3
44	5kg CO2	R3
45	9kg DCP	R2
46	5kg CO2	R2
47	5kg CO2	R1
48	2.5kg DCP	R1
49	2.5kg DCP	R1
50	5kg CO2	R1
51	2kg CO2	F&R crew room
52	5kg CO2	F&R parking
53	2kg CO2	F&R next to the gym
54	9kg DCP	F&R first floor
55	5kg CO2	F&R first floor
56	5kg CO2	F&R next to server
57	5kg CO2	F&R store
58	5kg CO2	F&R store
59	5kg CO2	F&R store
60	5kg CO2	F&R store
61	5kg CO2	F&R store
62	5kg CO2	F&R store
63	5kg CO2	F&R store
64	6.8kg CO2	F&R store
65	4.5kg DCP	F&R store
66	4.5kg DCP	F&R store
67	4.5kg DCP	F&R store
68	4.5kg DCP	F&R store
69	4.5kg DCP	F&R store
70	9kg DCP	F&R store
71	9kg DCP	F&R store
72	9kg DCP	F&R store
73	9kg DCP	F&R store
74	9kg DCP	F&R store
75	9kg DCP	F&R store
76	9kg DCP	F&R store
77	2.5kg DCP	F&R store
78	2kg CO2	F&R store
79	50kg DCP	F&R store

80	9kg DCP	F&R parking
81	5kg CO2	Gate 10
82	2kg CO2	Gate 10
83	9kg DCP	Gate 10
84	9kg DCP	Waste sorting
85	9kg DCP	Waste sorting
86	9kg DCP	next to menzes
87	4.5kg DCP	next to menzes
88	9kg DCP	SAX technical
89	9kg DCP	SAX technical
90	9kg DCP	SAX technical
91	5kg CO2	SAPS container
92	2kg CO2	SAPS building
93	9kg DCP	SAPS building
94	9kg DCP	SAPS building
95	9kg DCP	SAX cargo
96	9kg DCP	SAX cargo
97	9kg DCP	SAX cargo
98	5kg CO2	Check-in counters
99	9kg DCP	next to check-in counters
100	9kg DCP	next to vodacom
101	2.5kg CO2	Sweets From Heaven
102	5kg CO2	Parking office
103	5kg CO2	Arrivals next to the server
104	5kg CO2	Arrivals next to the server
105	9kg DCP	Arrivals hall
106	9kg DCP	Arrivals hall
107	9kg DCP	Arrivals hall
108	9kg DCP	International Arrivals
109	9kg DCP	International Arrivals
110	5kg CO2	International Arrivals
111	9kg DCP	CSP
112	9kg DCP	CSP
113	5kg CO2	next to coffee shop
114	9kg DCP	Domestic departure
115	9kg DCP	Departure
116	4.5kg DCP	next to first aid room
117	5kg CO2	Security office
118	5kg CO2	Security office server
119	2kg CO2	First floor hall
120	9kg DCP	First floor waiting area
121	5kg CO2	First floor next to SAWS
122	5kg CO2	next to first floor server

123	2.2kg CO2	First Floor kitchen
124	5kg CO2	Middle floor kitchen
125	5kg CO2	next to ECC
126	2kg CO2	Middle floor
127	9kg DCP	Middle floor
128	9kg DCP	next to car rental building
129	9kg DCP	next to car rental building
130	4.5kg DCP	next to car rental building
131	5kg CO2	Car rentals
132	5kg CO2	Car rentals
133	5kg CO2	Car rentals
134	9kg DCP	next to car rental building
135	9kg DCP	next to car rental building
136	9kg DCP	ACSA staff parking
137	9kg DCP	ATNS parking
138	9kg DCP	Car rentals parking
139	9kg DCP	Car rentals parking
140	9kg DCP	Car rentals parking
141	9kg DCP	Car rentals parking
142	9kg DCP	Car rentals parking
143	9kg DCP	Car rentals parking
144	9kg DCP	Open parking
145	9kg DCP	Shaded parking
146	9kg DCP	Shaded parking
147	9kg DCP	Shaded parking
148	9kg DCP	Shaded parking
149	9kg DCP	Shaded parking
150	9kg DCP	Lock-up garage
151	9kg DCP	Lock-up garage
152	9kg DCP	Lock-up garage
153	9kg DCP	Lock-up garage
154	9kg DCP	Staff parking
155	9kg DCP	Staff parking
156	9kg DCP	Staff parking
157	9kg DCP	Staff parking
158	9kg DCP	Staff parking
159	5kg CO2	Substation C
160	9kg DCP	Pump station
161	6.8kg CO2	Elevator shaft

Fire Hydrants:

Item	Unit Type	Quantity	Location
1	Fire hydrant booster	Double head	next to electrical building
2	fire hydrant	Double head	next to mango equipment
3	Fire hydrant booster	Double head	Apron next to bay 4
4	Fire hydrant	Double head	next to the conveyer belt
5	Fire hydrant	Single head	Apron next to bay 3
6	Fire hydrant	Single head	Apron next to bay 2
7	Fire hydrant booster	Double head	next to apron office
8	Fire hydrant	Single head	next to engen
9	Fire hydrant booster	Double head	next to engen
10	Fire hydrant	Single head	next to engen
11	Fire hydrant	Double head	next to gate 11
12	Fire hydrant booster	Double head	next to gate 11
13	Fire hydrant	Single head	next to raubex hanger
14	Fire hydrant	Single head	next to aerocare hanger
15	Fire hydrant	Single head	next to route management henger
16	Fire hydrant	Single head	next to hestony hanger
17	Fire hydrant	Single head	next to DIY hanger
18	Fire hydrant	Single head	next to phezulu plant hanger
19	Fire hydrant	Single head	next to AMS hanger
20	Fire hydrant	Single head	next to pump station
21	Fire hydrant	Single head	next to road lodge hotel
22	Fire hydrant	Single head	next to road lodge hotel
23	Fire hydrant	Single head	next to AVIS car rental
24	Fire hydrant	Single head	next to AVIS car rental
25	Fire hydrant	Single head	new car rental road
26	Fire hydrant	Single head	next to europcar car rental
27	Fire hydrant	Single head	next to doller thrift car rental
28	Fire hydrant	Single head	next to met radar
29	Fire hydrant	Single head	next to met radar
30	Fire hydrant	Single head	boulevard
31	Fire hydrant	Single head	boulevard

Fire Hose Reels		
Item	Make / Serial	Location
1	Hose Reel	Apron offiice
2	Hose Reel	Maintenance building
3	Hose Reel	SAX technical
4	Hose Reel	next to check-in counters
5	Hose Reel	next to vodacom
6	Hose Reel	Arrivals next to server room
7	Hose Reel	CSP
8	Hose Reel	next to first aid room
9	Hose Reel	First floor waiting area
10	Hose Reel	next to car rental

Fire Blanket		
Item	Unit Type	Location
1	Fire blanket	Substation A
2	Fire curtain	Transformer 1
3	Fire curtain	Transformer 2
4	Fire curtain	Transformer 3
5	Fire curtain	Transformer 4