

HVAC Material for annual maintenance
Faisalabad Institute of Cardiology, Faisalabad.

Sr. No.	Specifications	Qty
1.	Chillers Descaling Chemicals (Derusting/Descalar)	650 liters
2.	Burner servo motor for 16DN060 chiller carrier	1
3.	Chiller Burner Relays for chiller carrier 16DN060 (14-PIXS.220V)	12
4.	Magnetic Contactor 7.5KW	2
5.	Chiller Burner Controllers for chiller carrier 16DN060	2
6.	Chiller Temperature Sensors IN8 outside for chiller carrier 16DN060	5
7.	U-Tube Monometer as per sample	1
8.	Absorber Copper Tube for chiller carrier 16DN060	2
9.	Inhibitor Chromate	100 kg
10.	Inhibitor Nitrate	100 kg
11.	Lithium Bromide 55% (Chromate based)	500 kg
12.	Lithium Bromide 55% (Nitrate based)	500 kg
13.	Octyl Alcohol	20 liters
14.	Lithium Hydroxide 56%	20 kg
15.	Descaling Chemical for AHU cleaning	1500 liters
16.	Air filters for all AHUs (List-A)	List attached
17.	Chemical Dosing Pump as per sample	2

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18.	Cooling Tower fills Descaling Chemical	500 liters
19.	Cooling Tower Water Treatment Chemicals	----
a	Anti-Scalent	650 kg
b	Biocide	100 kg
c	Dispersant	300 kg
d	PH Controller (H ₂ SO ₄)	8000 kg
20.	Berger Epoxy Paint	7 Gallons
21.	Thermometer 0 to 60 Degree	10
22.	Pressure Gauges 4.5" dial 0 to 100 PSIG	50
23.	Magnetic Contactor 100A	1
24.	Sump Pump for Plant Room Drain as per sample	1
25.	Ball Valve 2" Brass (For Makeup of cooling Tower)	2
26.	Ball Valve ¾" (Air Vent Valve for Plant Room)	2
27.	Vacuum Oil	12 Gallons
28.	Bearings 6213ZZ (For Plant Room Pumps) as per sample	12
29.	Rubber coupling membrane for condenser / chiller pumps as per sample	48
30.	Rubber coupling membrane for Air cooled chiller pumps as per sample	12
31.	Refrigerant R22	150 kg
32.	Touch Pad of Air Cool System 30GTN carrier	1

33.	Over load relays 60A (Cooling Tower Fans) as per sample	8
34.	Magnetic Contactors 32A (Cooling Tower Fans) as per sample	8
35.	Bearing 6212ZZ (for Cooling Tower) as per sample	8
36.	Phase Failure Relay (for AHU G8)	1
37.	Oil pressure sensor of compressor Carlyle (Carrier) Model#06EF299610	4
38.	Pressure safety switch of compressor Carlyle (Carrier) Model#06EF299610	4
39.	Suction valve of compressor Carlyle (Carrier) Model#06EF299610	4

List-A
Aluminum Washable filters

Sr. #	Filter Size	Thickness	Quantity
1.	23 ¼" x 19 ¼"	2"	76
2.	23 ¼" x 23 ¼"	2"	26
3.	23 ¼" x 11 ¼"	2"	26
4.	19 ¼" x 19 ¼"	2"	48
5.	19 ¼" x 11 ¼"	2"	22


Medical Superintendent

Faisalabad Institute of Cardiology,
Faisalabad.



