

MEDICAL TEACHING INSTITUTION AYUB TEACHING HOSPITAL

Engineering and Maintenance Department



No _____

Dated _____

To,

**Deputy Director Procurement
ATH, Abbottabad.**

Subject: Tender List financial year 2024-25

Reference to letter No.DD(P)/ATH/1067, the detail of HVAC / VRF system items / parts are given below:

HVAC Tender List 2024-25

S.No	Items/ Product Name	Unit
1	Fan Belt Size A-52, A53, A-48, A-65,A-60, A-56,A-44	Per No
2	Grease Gun Complete	Per No
3	Motor coupling japan	Per No
4	Bearing 6305 japan	Per No
5	Bearing 6313 japan	Per No
6	Bearing 6309 japan	Per No
7	Gas R 22 Honeywell Gentrion USA brand	Per Cylinder
8	Gas R 410 Honeywell Gentrion USA brand	Per Cylinder
9	Gas 134-A Honeywell Gentrion USA brand	Per Cylinder
10	S/I DC inverter Floor Standing AC 2 Ton Panasonic with Brackets	Per No
11	S/I DC inverter Floor Standing AC 2 Ton Mitsubishi with Brackets	Per No
12	S/I DC inverter Floor Standing AC 2 Ton Daikin with Brackets	Per No
13	S/I DC inverter Floor Standing AC 2 Ton Hitachi with Brackets	Per No
14	S/I DC inverter Floor Standing AC 2 Ton Kenwood with Brackets	Per No
15	S/I DC inverter Floor Standing AC 2 Ton Dawlance with Brackets	Per No
16	S/I DC inverter Floor Standing AC 2 Ton Haier with Brackets	Per No
17	S/I DC inverter Floor Standing AC 2 Ton GREE with Brackets	Per No
18	S/I DC inverter Floor Standing AC 2 Ton Kenwood with Brackets	Per No
19	S/I DC inverter Floor Standing AC 2 Ton PEL with Brackets	Per No
20	S/I DC inverter Floor Standing AC 3 Ton Panasonic with Brackets	Per No
21	S/I DC inverter Floor Standing AC 3 Ton Mitsubishi with Brackets	Per No
22	S/I DC inverter Floor Standing AC 3 Ton Daikin with Brackets	Per No
23	S/I DC inverter Floor Standing AC 3 Ton Kenwood with Brackets	Per No
24	S/I DC inverter Floor Standing AC 3 Ton Hitachi with Brackets	Per No
25	S/I DC inverter Floor Standing AC 3 Ton Kenwood with Brackets	Per No
26	S/I DC inverter Floor Standing AC 3 Ton Dawlance with Brackets	Per No
27	S/I DC inverter Floor Standing AC 3 Ton PEL with Brackets	Per No
28	S/I DC inverter Floor Standing AC 3 Ton GREE with Brackets	Per No

29	S/I DC inverter Floor Standing AC 3 Ton Haier with Brackets	Per No
30	S/I DC inverter Floor Standing AC 4 Ton Panasonic with Brackets	Per No
31	S/I DC inverter Floor Standing AC 4 Ton Mitsubishi with Brackets	Per No
32	S/I DC inverter Floor Standing AC 4 Ton Daikin with Brackets	Per No
33	S/I DC inverter Floor Standing AC 4 Ton Kenwood with Brackets	Per No
34	S/I DC inverter Floor Standing AC 4 Ton Hitachi with Brackets	Per No
35	S/I DC inverter Floor Standing AC 4 Ton Kenwood with Brackets	Per No
36	S/I DC inverter Floor Standing AC 4 Ton Dawlance with Brackets	Per No
37	S/I DC inverter Floor Standing AC 4 Ton PEL with Brackets	Per No
38	S/I DC inverter Floor Standing AC 4 Ton Haier with Brackets	Per No
39	S/I DC inverter Floor Standing AC 5 Ton Panasonic with Brackets	Per No
40	S/I DC inverter Floor Standing AC 5 Ton Mitsubishi with Brackets	Per No
41	S/I DC inverter Floor Standing AC 5 Ton Daikin with Brackets	Per No
42	S/I DC inverter Floor Standing AC 5 Ton Kenwood with Brackets	Per No
43	S/I DC inverter Floor Standing AC 5 Ton Hitachi with Brackets	Per No
44	S/I DC inverter Floor Standing AC 5 Ton Kenwood with Brackets	Per No
45	S/I DC inverter Floor Standing AC 5 Ton Dawlance with Brackets	Per No
46	S/I DC inverter Floor Standing AC 5 Ton PEL with Brackets	Per No
47	S/I DC inverter Floor Standing AC 5 Ton Haier with Brackets	Per No
48	Refrigerator 8 Cubic ft, ES Kenwood	Per No
49	Refrigerator 8 Cubic ft, ES Dawlance	Per No
50	Refrigerator 8 Cubic ft, ES LG	Per No
51	Refrigerator 8 Cubic ft, ES PEL	Per No
52	Refrigerator 8 Cubic ft, ES Haier	Per No
53	Refrigerator 12 Cubic ft, ES Kenwood	Per No
54	Refrigerator 12 Cubic ft, ES PEL	Per No
55	Refrigerator 12 Cubic ft, ES Dawlance	Per No
56	Refrigerator 12 Cubic ft, ES LG	Per No
57	Refrigerator 12 Cubic ft, ES Haier	Per No
58	Refrigerator 14 Cubic ft, ES Kenwood	Per No
59	Refrigerator 14 Cubic ft, ES PEL	Per No
60	Refrigerator 14 Cubic ft, ES Dawlance	Per No
61	Refrigerator 14 Cubic ft, ES LG	Per No
62	Refrigerator 14 Cubic ft, ES Haier	Per No
63	Refrigerator 18 Cubic ft, ES Kenwood	Per No
64	Refrigerator 18 Cubic ft, ES PEL	Per No
65	Refrigerator 18 Cubic ft, ES Haier	Per No
66	Refrigerator 18 Cubic ft, ES LG	Per No
67	Refrigerator 18 Cubic ft, ES Dawlance	Per No
68	Pharmaceutical/Medical Refrigerators single Door Haier 68 Liters	Per No
69	Pharmaceutical/Medical Refrigerators single Door PEL 68 Liters	Per No
70	Pharmaceutical/Medical Refrigerators Single Door Haier 410 Liters	Per No
71	Pharmaceutical/Medical Refrigerators Single Door PEL 410 Liters	Per No
72	Pharmaceutical/Medical Refrigerators Double Door Haier 810 Liters	Per No
73	Pharmaceutical/Medical Refrigerators Double Door PEL 810 Liters	Per No

74	Manifold Gauge set for R 32 Refrigerant 500 to 1200 PSI	Per No
75	Refrigerant Gas R 32 Honeywell Gentron USA brand	Per No
76	Refrigerant Gas R 32 For Air Conditioners Best Quality	Per No
77	Measuring Tape	per No
78	Allen key set complete japan	Per No
79	S/I DC inverter AC 1 Ton Panasonic with Brackets	Per No
80	S/I DC inverter AC 1 Ton Mitsubishi with Brackets	Per No
81	S/I DC inverter AC 1 Ton Hitachi with Brackets	Per No
82	S/I DC inverter AC 1 Ton Daikin with Brackets	Per No
83	S/I DC inverter AC 1 Ton Kenwood with Brackets	Per No
84	S/I DC inverter 1 Ton Dawlance with Brackets	Per No
85	S/I DC inverter 1 Ton PEL with Brackets	Per No
86	S/I DC inverter 1 Ton Gree Brackets	Per No
87	S/I DC inverter 1 Ton Haier Brackets	Per No
88	S/I DC inverter 1 Ton LG with Brackets	Per No
89	S/I NON-inverter Cooling only 1 Ton Dawlance with Brackets	Per No
90	S/I NON-inverter Cooling only 1 Ton PEL with Brackets	Per No
91	S/I NON-inverter Cooling only 1 Ton Gree with Brackets	Per No
92	S/I NON-inverter Cooling only 1 Ton Haier with Brackets	Per No
93	S/I NON-inverter Cooling only 1 Ton LG with Brackets	Per No
94	S/I DC inverter AC 1.5 Ton Panasonic with Brackets	Per No
95	S/I DC inverter AC 1.5 Ton Mitsubishi with Brackets	Per No
96	S/I DC inverter AC 1.5 Ton Hitachi with Brackets	Per No
97	S/I DC inverter AC 1.5 Ton Daikin with Brackets	Per No
98	S/I DC inverter AC 1.5 Ton Dawlance with Brackets	Per No
99	S/I DC inverter AC 1.5 Ton PEL with Brackets	Per No
100	S/I DC inverter AC 1.5 Ton Gree Brackets	Per No
101	S/I DC inverter AC 1.5 Ton Haier Brackets	Per No
102	S/I DC inverter AC 1.5 Ton Kenwood Brackets	Per No
103	S/I DC inverter AC 1.5 Ton LG with Brackets	Per No
104	S/I Non inverter Cooling only AC 1.5 Ton Panasonic with Brackets	Per No
105	S/I Non inverter Cooling only AC 1.5 Ton Mitsubishi with Brackets	Per No
106	S/I Non inverter Cooling only AC 1.5 Ton Hitachi with Brackets	Per No
107	S/I Non inverter Cooling only AC 1.5 Ton Daikin with Brackets	Per No
108	S/I NON-inverter Cooling only 1.5 Ton Dawlance with Brackets	Per No
109	S/I NON-inverter Cooling only 1.5 Ton PEL with Brackets	Per No
110	S/I NON-inverter Cooling only 1.5 Ton Gree with Brackets	Per No
111	S/I NON-inverter Cooling only 1.5 Ton Haier with Brackets	Per No
112	S/I NON-inverter Cooling only 1.5 Ton LG with Brackets	Per No
113	S/I Non inverter Cooling only AC 2 Ton Panasonic with Brackets	Per No
114	S/I Non inverter Cooling only AC 2 Ton Mitsubishi with Brackets	Per No
115	S/I Non inverter Cooling only AC 2 Ton Hitachi with Brackets	Per No
116	S/I Non inverter Cooling only AC 2 Ton Daikin with Brackets	Per No
117	S/I NON-inverter Cooling only AC 2 Ton LG with Brackets	Per No
118	S/I NON-inverter Cooling only AC 2 Ton Dawlance with Brackets	Per No

119	S/I NON-inverter Cooling only AC 2 Ton PEL with Brackets	Per No
120	S/I NON-inverter Cooling only AC 2 Ton Gree with Brackets	Per No
121	S/I NON-inverter Cooling only AC 2 Ton Haier with Brackets	Per No
122	S/I DC inverter AC 2 Ton Panasonic with Brackets	Per No
123	S/I DC inverter AC 2 Ton Mitsubishi with Brackets	Per No
124	S/I DC inverter AC 2 Ton Hitachi with Brackets	Per No
125	S/I DC inverter AC 2 Ton Daikin with Brackets	Per No
126	S/I DC inverter AC 2 Ton Dawlance with Brackets	Per No
127	S/I DC inverter AC 2 Ton PEL with Brackets	Per No
128	S/I DC inverter AC 2 Ton Gree Brackets	Per No
129	S/I DC inverter AC 2 Ton Haier Brackets	Per No
130	S/I DC inverter AC 2 Ton LG with Brackets	Per No
131	S/I DC inverter AC 2 Ton Kenwood with Brackets	Per No
132	S/I of Compressor 12000 BTU 1 TON for Gree A/C	Per No
133	S/I of Compressor 18000 BTU 1.5 TON for Gree A/C	Per No
134	S/I of Compressor 24000 BTU 2 TON for Gree A/C	Per No
135	S/I of Compressor 48000 BTU 4 TON for Gree A/C	Per No
136	S/I of Compressor 60000 BTU 5 TON for Gree A/C	Per No
137	S/I of Compressor 12000 BTU 1 TON for PEL A/C	Per No
138	S/I of Compressor 18000 BTU 1.5 TON for PEL A/C	Per No
139	S/I of Compressor 24000 BTU 2 TON for PEL A/C	Per No
140	S/I of Compressor 24000 BTU 3 TON for PEL A/C	Per No
140	S/I of Compressor 48000 BTU 4 TON for PEL A/C	Per No
141	S/I of Compressor 60000 BTU 5 TON for PEL A/C	Per No
142	S/I of Compressor 12000 BTU 1 TON for Daikin A/C	Per No
143	S/I of Compressor 18000 BTU 1.5 TON for Daikin A/C	Per No
144	S/I of Compressor 24000 BTU 2 TON for Daikin A/C	Per No
145	S/I of Compressor 48000 BTU 4 TON for Daikin A/C	Per No
146	S/I of Compressor 60000 BTU 5 TON for Daikin A/C	Per No
147	S/I of Compressor 18000 BTU 1 TON for Hitachi A/C	Per No
148	S/I of Compressor 18000 BTU 1.5 TON for Hitachi A/C	Per No
149	S/I of Compressor 24000 BTU 2 TON for Hitachi A/C	Per No
150	S/I of Compressor 48000 BTU 4 TON for Hitachi A/C	Per No
151	S/I of Compressor 60000 BTU 5 TON for Hitachi A/C	Per No
	S/I of Compressor 18000 BTU 1 TON for Dawlance A/C	Per No
152	S/I of Compressor 18000 BTU 1.5 TON for Dawlance A/C	Per No
153	S/I of Compressor 24000 BTU 2 TON for Dawlance A/C	Per No
154	S/I of Compressor 48000 BTU 4 TON for Dawlance A/C	Per No
155	S/I of Compressor 60000 BTU 5 TON for Dawlance A/C	Per No
156	S/I of Compressor 12000 BTU 1 TON for Haier A/C	Per No
157	S/I of Compressor 18000 BTU 1.5 TON for Haier A/C	Per No
158	S/I of Compressor 24000 BTU 2 TON for Haier A/C	Per No
159	S/I of Compressor 48000 BTU 4 TON for Haier A/C	Per No
160	S/I of Compressor 60000 BTU 5 TON for Haier A/C	Per No

161	S/I of Compressor 12000 BTU 1 TON for LG A/C	Per No
162	S/I of Compressor 18000 BTU 1.5 TON for LG A/C	Per No
163	S/I of Compressor 24000 BTU 2 TON for LG A/C	Per No
164	S/I of Compressor 48000 BTU 4 TON for LG A/C	Per No
165	S/I of Compressor 60000 BTU 5 TON for LG A/C	Per No
166	S/I of DC Inverter Compressor 12000 BTU as per sample	Per No
168	S/I of DC Inverter Compressor 18000 BTU as per sample	Per No
170	S/I of DC Inverter Compressor 24000 BTU as per sample	Per No
172	Running Capacitor 30 uf cool max brand	Per No
173	Running Capacitor 30 uf Share brand	Per No
174	Running Capacitor 30 uf forever gree brand	Per No
175	Running Capacitor 35 uf cool max brand	Per No
176	Running Capacitor 35 uf Share brand	Per No
177	Running Capacitor 35 uf forever gree brand	Per No
178	Running Capacitor 50 uf cool max brand	Per No
179	Running Capacitor 50 uf Share brand	Per No
180	Running Capacitor 50 uf forever gree brand	Per No
181	Running Capacitor 55 uf Share brand	Per No
182	Running Capacitor 55 uf cool max brand	Per No
183	Running Capacitor 55 uf forever gree brand	Per No
184	Running Capacitor 60 uf Share brand	Per No
185	Running Capacitor 60 uf cool max brand	Per No
186	Running Capacitor 60 uf forever gree brand	Per No
187	Running Capacitor 65 uf Share brand	Per No
188	Running Capacitor 65 uf cool max brand	Per No
189	Running Capacitor 65 uf forever gree brand	Per No
190	Running Capacitor 70 uf forever gree brand	Per No
191	Magnetic Contactor 20 amp best quality sample Xpert brand	Per No
192	Magnetic Contactor 35 amp best quality sample xpert brand	Per No
193	Magnetic Contactor 38 amp best quality xpert brand	Per No
194	Magnetic Contactor 40 amp best quality xpert brand	Per No
195	Magnetic Contactor 32 amp best quality xpert brand	Per No
196	Sensors as per sample	Per No
197	Capacitor for condensor fan 5 uf	Per No
198	Capacitor for condensor fan 2.2 uf	Per No
199	Split AC tool kit (Complete)	Per No
200	Insulated Star Set (+ & -)	Per No
201	Copper tube cutter	Per No
202	Copper flaring tool	Per No
203	Manifold Gauge set for R22 & 410-A (500 to 1200 PSI) super cool brand	Per No
204	Manifold Gauge set for R22 & 410-A (500 to 1200 PSI) master cool brand	Per No
205	Manifold Gauge set for R22 & 410-A (H.P 1000 PSI) Sino cool brand	Per No
206	Manifold Gauge set for R22 & 410-A (H.P 1000 PSI) xpert brand	Per No
207	Manifold Gauge set for R22 & 410-A (H.P1000 PSI) Lichamp brand	Per No

208	Manifold Gauge set for R22 & 410-A (H.P 1000 PSI) MRCARTOOL brand	Per No
209	Manifold Gauge Hose (Red,Bue,Yellow) 72" (1200 PSI) Supercool brand	Per No
210	Manifold Gauge Hose (Red,Bue,Yellow) 72" (1200 PSI) mastercol brand	Per No
211	Manifold Gauge Hose (Red,Bue,Yellow) 72" (1200 PSI) mastercol brand	Per No
212	Manifold Gauge Hose (Red,Bue,Yellow) 72" (1000 PSI) xpert brand	Per No
213	Plier best Japan	Per No
214	Cutter plier japan	Per No
215	MS Pipe 1/2"	Per No
216	MS Pipe 3/4"	Per No
217	Vacuum pump 1/3 HP Single stage rotary vane	Per No
218	CRC Rust remover / corossion remover chemical	Per No
219	TDS digital Meter	Per No
220	PH digital meter	Per No
221	Water treatment chemical for Air cooled chiller close loop RCB Chemicals	Per No
222	MS elbow 1/2"	Per No
223	MS elbow 3/4"	Per No
224	MS elbow 1"	Per No
225	MS elbow 1x1/4"	Per No
226	MS elbow 1x1/2"	Per No
227	MS elbow 2"	Per No
228	MS elbow 2x1/2"	Per No
229	MS Socket 1/2"	Per No
230	MS Socket 3/4"	Per No
231	MS Socket 1"	Per No
232	MS Socket 1x1/4"	Per No
233	MS Socket 1x1/2"	Per No
234	MS Socket 2"	Per No
235	MS Socket 2x1/2"	Per No
236	MS Tee 1/2"	Per No
237	MS Tee 3/4"	Per No
238	MS Tee 1"	Per No
239	MS Tee 1x1/4"	Per No
240	MS Tee 1x1/2"	Per No
241	MS Tee 2"	Per No
242	MS Tee 2x1/2"	Per No
243	MS Union 1/2"	Per No
244	MS Union 3/4'	Per No
245	MS Union 1"	Per No
246	MS Union 1x1/4"	Per No
247	MS Union 1x1/2"	Per No
248	MS Union 2"	Per No
249	MS Union 2x1/2"	Per No
250	MS Nipple 1/2"	Per No
251	MS Nipple 3/4"	Per No

252	MS Nipple 1"	Per No
253	MS Nipple 1x1/4"	Per No
254	MS Nipple 1x1/2"	Per No
255	MS Nipple 2"	Per No
256	MS Nipple 2x1/2"	Per No
257	Dead Plug 1/2"	Per No
258	Dead Plug 3/4"	Per No
259	Dead Plug 1"	Per No
260	Dead Plug 1x1/4"	Per No
261	Dead Plug 1x1/2"	Per No
262	Dead Plug 2"	Per No
263	Dead Plug 2x1/2"	Per No
264	Flange 2-1/2"	Per No
265	Flange 3"	Per No
266	Pipe Wrench 12"	Per No
267	Pipe Wrench 14"	Per No
268	Pipe Wrench 18"	Per No
269	Pipe Wrench 24"	Per No
270	Pipe Wrench 36"	Per No
271	Adjustable Wrench 6"	Per No
272	Adjustable Wrench 12"	Per No
273	Adjustable Wrench 18"	Per No
274	Adjustable Wrench 24"	Per No
275	Adjustable Wrench 14"	Per No
276	Globe Valve 1/2"	Per No
277	Globe Valve 3/4"	Per No
278	Globe Valve 1"	Per No
279	Globe Valve 1/4"	Per No
280	Globe Valve 1x1/2"	Per No
281	Globe Valve 2"	Per No
282	Gate Valve 1/2" Kitz	Per No
283	Gate Valve 3/4" Kitz	Per No
284	Gate Valve 1" Kitz or	Per No
285	Gate Valve 1-1/2" Kitz	Per No
286	Gate Valve 1-3/4" Kitz	Per No
287	Gate Valve 2" Kitz	Per No
288	Gate Valve 2-1/2"	Per No
289	Gate Valve 3" Kitz	Per No
290	Gate Valve 4" Kitz	Per No
291	Gate Valve 5" Kitz	Per No
292	Gate Valve 6" Kitz	Per No
293	Y-Strainer 2" kitz	Per No
294	Y-Strainer 2-1/2" kitz	Per No
295	Y-Strainer 3" kitz	Per No

296	Y-Strainer 4" kitz	Per No
297	Y-Strainer 5" kitz	Per No
298	Y-Strainer 6" kitz	Per No
299	Non-Return Valve 2" kitz	Per No
300	Non-Return Valve 2-1/2" kitz	Per No
301	Non-Return Valve 3" kitz	Per No
302	Non-Return Valve 4" kitz	Per No
303	Non-Return Valve 5" kitz	Per No
304	Non-Return Valve 6" kitz	Per No
305	Double balancing valve 5"	Per No
306	Double balancing valve 6"	Per No
307	water flow rate meter digital 5"	Per No
308	water flow rate meter digital 6"	Per No
309	Control valve 5" kitz	Per No
310	Control valve 6" kitz	Per No
311	Ball Valve 1/2" KITZ	Per No
312	Ball Valve 3/4" KITZ	Per No
313	Ball Valve 1" KITZ	Per No
314	Ball Valve 1x1/4" KITZ	Per No
315	Ball Valve 1x1/2" KITZ	Per No
316	Ball Valve 2" KITZ	Per No
317	Ampeler	Per No
318	Klinger Sheet	Per No
319	D scaler	Per No
320	Rawal Bolt Different sizes	Per No
321	Pulley japan	Per No
322	Right Angle (Gunya) size 12", 2x1/2'	Per No
323	Duct Sheet Cutter	Per No
324	GI Sheet For Ducting size (22, 24 , 26 Gauge)	Per No
325	Duct Round Cutter	Per No
326	Hammer (Wood) for Duct Work	Per No
327	Hammer 1/2 Kg	Per No
328	Hammer 1 kg	Per No
329	Step Ladder with handle (6', 4')	Per No
330	Hacksaw frame	Per No
331	Pipe cutter japan	Per No
332	Mono Set Single Phase water Pump (1 HP KSB)	Per No
333	Mono Set Single Phase water Pump (.5 HP KSB)	Per No
334	Garden Flexible Pipe (1/2", 3/4)	Per No
335	Rawl Bolt	Per No
336	Drill Bit (All sizes) H.C.S	Per No
337	Drill Bit (All sizes) H.S.S	Per No
338	Portable Blower (Heavy Duty And Medium)	Per No
339	Hillgrove Hex socket set (Goti set)	Per No

340	Hilti machine Triple function Rotary hammer	Per No
341	Double Open End Spinner Set (Complete)	Per No
342	Drill Machine (Medium size)	Per No
343	Rivet Gun	Per No
344	Rivet box	Per No
345	AC Coil Cleaning Chemical For Evaporator	Per No
346	Rust removing Chemcial	Per No
347	6 PCS Damaged Screw & Broken Bolt Extractor all sizes	Per No
348	Fin Straightener	Per No
349	Concrete core cutter bit / Hollow 1/2"	Per No
350	Concrete core cutter bit / Hollow 2"	Per No
351	Concrete core cutter bit / Hollow 2-1/2"	Per No
352	Concrete core cutter bit / Hollow 3"	Per No
353	Concrete core cutter bit / Hollow 3-1/2"	Per No
354	Concrete core cutter bit / Hollow 5"	Per No
355	Concrete core cutter bit / Hollow 4"	Per No
356	A/C Indoor PCB Board (1 TON) as per sample	Per No
357	A/C Indoor PCB Board (1.5 TON) as per sample	Per No
358	A/C Indoor PCB Board (2 TON) as per sample	Per No
359	A/C Indoor PCB Board (3 TON) as per sample	Per No
360	A/C Indoor PCB Board (4 TON) as per sample	Per No
361	A/C Indoor PCB Board (5 TON) as per sample	Per No
362	A/C Outdoor PCB Board (1 TON) as per sample	Per No
363	A/C Outdoor PCB Board (1.5 TON) as per sample	Per No
364	A/C Outdoor PCB Board (2 TON) as per sample	Per No
365	A/C Outdoor PCB Board (3 TON) as per sample	Per No
366	A/C Outdoor PCB Board (4 TON) as per sample	Per No
367	A/C Outdoor PCB Board (5 TON) as per sample	Per No
368	A/C Indoor / Outdoor Unit all sensors 1 TON	Per No
369	A/C Indoor / Outdoor Unit all sensors 1.5 TON	Per No
370	A/C Indoor / Outdoor Unit all sensors 2 TON	Per No
371	A/C Indoor / Outdoor Unit all sensors 2 TON Kenwood FS	Per No
372	A/C Indoor / Outdoor Unit all sensors 3 TON	Per No
373	A/C Indoor / Outdoor Unit all sensors 4 TON	Per No
374	A/C Indoor / Outdoor Unit all sensors 5 TON	Per No
375	Rechargable Flash Light (Torch)	Per No
376	2L Portable Torch Kit Refrigeration reparing complete set	Per No
377	180 Degree Manual Copper Tube Bender	Per No
378	Anemometer (Digital)	Per No
379	Infrared Thermometer (Digital)	Per No
380	Micro Fiber Cloth for AC Cleaning or Equivalent	Per No
381	PPE Safety Gloves for AC Work	Per No
382	Portable Pressure Washer for A/C servicing (100 Bar) pioneer brand	Per No
383	Portable Pressure Washer for A/C servicing (100 Bar) pioneer brand	Per No

384	Portable Pressure Washer for A/C servicing (100 Bar) Hyundai brand	Per rft
385	Steel wire hose pipe PVC Flexible 1/2"	Per rft
386	Steel wire hose pipe PVC Flexible 2"	Per rft
387	Steel wire hose pipe PVC Flexible 2-1/2"	Per rft
388	Wheel barrow	Per No
389	Room temperature sensor device	Per No
390	MS pipe 15" 40 schedule	Per No
391	MS Pipe 15" 80 Schedule	Per No
392	SS Pipe 15" 304 Schedule 40	Per No
393	SS Pipe 15 " 304 Schedule 80	Per No
394	Ms Elbow 45 degree Schedule 40	Per No
395	Ms Elbow 90 Degree Schedule 40	Per No
396	MS pipe 18" 40 schedule	Per No
397	MS Pipe 18" 80 Schedule	Per No
398	SS Pipe 18" 304 Schedule 40	Per No
399	SS Pipe 18 " 304 Schedule 80	Per No
400	MS pipe 14" 40 schedule	Per No
401	MS Pipe 14" 80 Schedule	Per No
402	SS Pipe 14" 304 Schedule 40	Per No
403	Multi Stage pump of 3HP (Golden company)	Per No
404	Multi Stage pump of 3HP (KSB company)	Per No
405	Multi Stage pump of 3HP (Hyundai company)	Per No
406	Mono block pump of 2.5 HP (Golden company)	Per No
407	Mono block pump of 2.5 HP (Hyundai company)	Per No
408	Mono block pump of 2.5 HP (KSB company)	Per No
409	Digital multi Meter (UNI-T Company)	Per No
410	Digital multi Meter (VICTOR Company)	Per No
411	Digital multi Meter (Fluke Company)	Per No
412	SS Pipe 14 " 304 Schedule 80	Per No
413	Inline Exhaust Fan as per sample best quality	Per No
414	Heppa Filter 1500 cubic meter flow Filter Class H 13 size 305 x 610 x 292 mm	Per No
415	Heppa Filter 1000 cmh resistance 250 pa , size 610 x 305 x 292 mm	Per No
416	Primary Filter for Air Handling Unit size 287 x 592 x 381	Per No
417	Secondary Bag Filter For Air Handling unit size 287 x 592 x 381	Per No
418	S/I of VFD For chiller pumps 75 KW	Per No
419	HUILE BSE 170 Oil for air cooled chiller TICA 738 KW per standard	Per Gallon
420	S/I laminator Sheet, flourescent light complete stainless steel structure with OT ceiling as per Operation Theatre 96" x 72"	Per No
421	S/I Air Handling Unit, CFM 5000, Separate heating and cooling coil and suitable VFD drive motor with all fittings.	Per No
422	S/I Air Handling Unit, CFM 8000, Separate heating and cooling coil, suitable VFD drive motor with all fittings.	Per No

423	S/I Air Handling Unit, CFM 10000, Separate heating and cooling coil, suitable VFD drive motor with all fittings.	Per No
424	S/I Air Handling Unit, CFM 12000, Separate heating and cooling coil, suitable VFD drive motor with all fittings.	Per No
425	S/I Air Handling Unit, CFM 16000, Separate heating and cooling coil, suitable VFD drive motor with all fittings.	Per No
426	S/I Air Handling Unit, CFM 18000, Separate heating and cooling coil, suitable VFD drive motor with all fittings.	Per No
427	S/I Hygienic Air Handling Unit, CFM 5000, Separate heating and cooling coil, suitable VFD drive motor with all fittings.	Per No
428	S/I Air Handling Unit, CFM 8000, Separate heating and cooling coil, suitable VFD drive motor with all fittings.	Per No
429	S/I Hygienic Air Handling Unit, CFM 10000, Separate heating and cooling coil, suitable VFD drive motor with all fittings.	Per No
430	S/I Hygienic Air Handling Unit, CFM 12000, Separate heating and cooling coil, suitable VFD drive motor with all fittings.	Per No
431	S/I Hygienic Air Handling Unit, CFM 16000, Separate heating and cooling coil, suitable VFD drive motor with all fittings.	Per No
432	S/I Hygienic Air Handling Unit, CFM 18000, Separate heating and cooling coil, suitable VFD drive motor with all fittings.	Per No
433	Providing, installation, testing & comissioning of Volume control dampers (VCD) completet in all aspects.	Sq.Ft
434	Providing, installation, testing & comissioning of Aluminium powder coated supply/return ceiling Grills all appurtenances completet in all aspects.	Sq.Ft
435	Providing, installation, testing & comissioning of Aluminium powder coated supply/return ceiling diffusers all appurtenances completet in all aspects.	Sq.Ft
436	Providing , installation, testing & comissioning of 25 mm thick, 24 kg/cu m density fiberglass insulation blanket completet in all aspects.	Sq.Ft
437	BMS controll system of AHU ,mechanical room to BMS control room computer	No
438	BMS software altration / modification in all aspects.	No
439	AHU, VCD controll from mechanical rom to BMS Computer room in all aspects.	No
440	AHU / HAHU controll from mechanical room to BMS Computer room in all aspects.	No
441	AHU, VCD controll from mechanical room to BMS Computer room in all aspects.	No
442	HEPPA Filters for AHUs	No
443	AHUs duct air temperture sensors, cfm sensors control in all aspects.	No

444	AHU control transformer as per sample	
445	AHU Motor VFD as per sample	No
446	AHUs duct air temperture sensors, cfm sensors control in all aspects.	
447	Ducting Cloth bond / Glue best quality	Kg
448	Threaded rods 1/2" with Nuts and rowel bolts	ft
449	Angle iron 3/4"	ft
450	Angle iron 1 "	ft
451	Circuit Breaker 150 AMP Best quality Terasaki	No
452	Circuit Breaker 200 AMP Best quality Schnieder	No
453	Circuit Breaker 200 AMP Best quality Terasaki	No
454	Overload	No
455	Temperature sensor with digital dislpay	No
456	Temperature sensor with digital dislpay	No
457	Core Cutter hollow / wall cutter for AC Piping dia = 4"	No
458	Core Cutter hollow / wall cutter for AC Piping dia = 6"	No
459	Core Cutter hollow / wall cutter for AC Piping dia = 8"	No
460	AC Copper pipe (Suction, discharge) for 01 TON AC complete with insulation, power cable complete in all aspects.	Per ft
461	AC copper Pipe (Suction, discharge) for 1.5 TON AC complete with insulation, power cable complete in all aspects.	Per ft
462	AC copper Pipe (Suction, discharge) for 2 TON AC complete with insulation, power cable complete in all aspects.	Per ft
463	AC copper Pipe (Suction, discharge) for 3 TON AC complete with insulation, power cable complete in all aspects.	Per ft
464	AC copper Pipe (Suction, discharge) for 4 TON AC complete with insulation, power cable complete in all aspects.	Per ft
465	Adhasive tape for AC Piping	Per ft
466	Power Cable cutter	No
467	teflon tape for Air Conditioners flares atc	No
468	Drain pipe for AC	per ft
469	Heat Sink Paste	No
470	power cable Heat shrink tube 1 mm	per ft
471	power cable Heat shrink tube 2 mm	per ft
472	power cable Heat shrink tube 3 mm	per ft
473	power cable Heat shrink tube 4 mm	per ft
474	power cable Heat shrink tube 5 mm	per ft
475	power cable Heat shrink tube 6 mm	per ft
476	Thimble for Acs connections, power cables	per ft
477	Refrigerant recovery machine with storage tank ,cable , Guages & hoses complete in all aspects for Acs, R-410, R-22, R 134 best quality	Per NO
478	Single stage rotary vane vaccum pump 1.5 litter 220V high pressure air pump for Air Conditiners complete in all aspects	Per NO

479	Single stage rotary vane vaccum pump 2 litter 220V high pressure air pump for Air Conditiners complete in all aspects	Per NO
480	Single Low pressure Hose for Air Conditioners 500 PSI	Per NO
481	single High pressure Hose for Air Conditioners 800 PSI	Per NO
482	single High pressure Hose for Air Conditioners 1200 PSI	Per NO
483	Air Conditioners Fuse As per sample	Per NO
484	Vltage tester pen best quality	Per NO
485	S/I AC Transformer 1 TON as per sample testing & comissioning	Per NO
486	S/I AC Transformer 1.5 TON as per sample testing & comissioning	Per NO
487	S/I AC Transformer 2 TON as per sample testing & comissioning	Per NO
488	S/I AC 4 Way Valve Installation 1 TON Fixing ,testing & comissioning	Per NO
489	S/I AC 4 Way Valve Installation 1.5 TON Fixing ,testing & comissioning	Per NO
490	S/I AC 4 Way Valve Installation 2 TON Fixing ,testing & comissioning	Per NO
491	S/I sensors, Compressor sensors, ambient temp sensors as Per sample	Per NO
492	Refrigerator Compressor 1/4 installation, Service, testing & comissioning	Per NO
493	Refrigerator Compressor 1/5 installation , Service, testing & comissioning	Per NO
494	Refrigerator Compressor 1/6 installation , Service, testing & comissioning	Per NO
495	Refrigerator Compressor 6/6 installation , Service, testing & comissioning	Per NO
496	Refrigerator Compressor 1/8 installation , Service, testing & comissioning	Per NO
497	Refrigerator Compressor 1/10 installation , Service, testing & comissioning	Per NO
498	Refrigerator Gas & Gas Charge,Purging , Service, testing & comissioning	Per NO
499	S/I of Refrigerator Relay Overload testing & comissioning	Per NO
500	S/I of Refrigerator Capacitor + capacitor relay testing & comissioning	Per NO
501	S/I of Refrigerator Door Gasket testing & comissioning	Per NO
502	S/I Refrigerator Thermostat testing & comissioning	Per NO
503	S/I Refrigerator condensor coil 1/4 testing & comissioning	Per NO
504	S/I Refrigerator condensor coil 1/8 testing & comissioning	Per NO
505	S/I Refrigerator condensor coil 1/10 testing & comissioning	Per NO
506	S/I Refrigerator condensor coil 1/5 testing & comissioning	Per NO
507	S/I Refrigerator condensor coil 1/6 testing & comissioning	Per NO
508	S/I Refrigerator Evaporator Coil 12" x 15" testing & comissioning	Per NO

509	S/I Refrigerator Evaporator Coil 15" x 19" testing & comissioning	Per NO
510	S/I Refrigerator Evaporator Coil 15" x 39" testing & comissioning	Per NO
511	S/I Refrigerator Evaporator Coil 16" x 42" testing & comissioning	Per NO
512	S/I Refrigerator Evaporator Coil 19" x 45" testing & comissioning	Per NO
513	S/I Refrigerator Evaporator Coil 22" x 52" testing & comissioning	Per NO
514	S/I Refrigerator Thermostat as per sample	
515	S/I Refrigerator Door Hanges testing & comissioning	Per NO
516	Air Conditioner NON Inverter 1 TON Condensor Fan Motor	Per NO
517	Air Conditioner NON Inverter 1.5 TON Condensor Fan Motor	Per NO
518	Air Conditioner NON Inverter 2 TON Condensor Fan Motor	Per NO
519	Air Conditioner Inverter 1 TON Condensor Fan Motor	Per NO
520	Air Conditioner Inverter 1.5 TON Condensor Fan Motor	Per NO
521	Air Conditioner Inverter 2 TON Condensor Fan Motor	Per NO
522	Air Conditioner Inverter 1 TON Condensor Fan Motor	Per NO
523	Air Conditioner Indoor Blower FAN MOTOR AS PER SAMPLE	Per NO
524	S/I Air Conditioner condensor unit coil as per sample (Inverter) 1 TON	Per NO
525	S/I Air Conditioner condensor unit coil as per sample (Inverter) 1.5 TON	Per NO
526	S/I Air Conditioner condensor unit coil as per sample (Inverter) 2 TON	Per NO
527	S/I Air Conditioner condensor unit coil as per sample (NON Inverter) 1 TON	Per NO
528	S/I Air Conditioner condensor unit coil as per sample (NON Inverter) 1.5 TON	Per NO
529	S/I Air Conditioner condensor unit coil as per sample (NON Inverter) 2 TON	Per NO
530	Air Conditioner drain pipe White Flexible	Per ft
531	High quality PVC electrical GI Flexible conduit Pipe dia=2"	Per ft
532	High quality PVC electrical GI Flexible conduit Pipe dia=2.5"	Per ft
533	High quality PVC electrical GI Flexible conduit Pipe dia=3"	Per ft
534	High quality PVC electrical GI Flexible conduit Pipe dia=4"	Per ft
535	High quality PVC electrical GI Flexible conduit Pipe dia=3"	Per ft

VRF + Dx syatem / HVAC MCHC Block ATH Abbottabad.

Gree GMV-5 Spare Parts List		
Sr #	Part Description	Part Code
478	4-way Valve	43000339
479	4-way Valve	43000412
480	4-way Valve Assy	04044100030
481	4-Way Valve Assy	04044100020
482	4-way Valve Assy	30152000009
483	4-Way Valve Sub-Assy	04044100019
484	Axial Flow Fan	10335010
485	Axial Flow Fan	10434100002
486	Brushless DC Motor	15704100006
487	Cabinet	01514100003P
488	Compressor	00204100005
489	Compressor	00204100002
490	Compressor	00204100003
491	Compressor	00204100004
492	Compressor and fittings	00204116
493	Compressor and Fittings	00204100008
494	Condenser Assy	01124100107
495	Condenser Assy	0112431001
496	Condenser Assy	0112410009601
497	Coping Sub-Assy	01264100076
498	Cut off Valve	07334100012
499	Cut off Valve	07334100014
500	Discharge Charge Valve	07334100002
501	Discharge Tube Sub-assy	04534100050
502	Discharge Tube Sub-assy	04534100052
503	Dry Filter	07218769
504	Dry Filter Sub-Assy	07314100001
505	Dry Filter Sub-Assy	07314100002
506	Dry Filter Sub-Assy	07414100013
507	Electric Box Assy	01394100611
508	Electric Box Assy	01394100373
509	Electric Expansion Valve Sub-Assy	43044100059
510	Electric Expansion Valve Sub-Assy	07334100030
511	Electric Expansion Valve Sub-Assy	43044100012
512	Electromagnetic Valve Sub-assy	43044100061

513	Electromagnetic Valve Sub-assy	43044100065	
514	Electronic Expansion Valve	07334412	
515	Electronic Expansion Valve	07331139	
516	Exhaust Trunk Sub-assy	04534100054	
517	Exhaust Trunk Sub-assy	04534100012	
518	Fan Motor	15704124	
519	Fan motor Sub-Assy	15404605	
520	Filter Board	30224100002	
521	Filter Board	30228000015	
522	Filter Board	30228122	
523	Filter Board	300020060029	
524	Front Panel	01544620P	
525	Front Panel (left)	01544100003P	
526	Front Panel (right)	01544100005P	
527	Front Side Plate	01314100026P	
528	Gas Valve Sub-Assy	07304100008	
529	Inhalation Tube Sub-assy	04574100051	
530	Inhalation Tube Sub-assy	04574100039	
531	Main Board	30224100003	
532	Main Board	30228000010	
533	Main Board	30224100001	
534	Main Board	30228609	
535	Main Board	30223000039	
536	Main Board	300027000566	
537	Main Board	300027060575	
538	Motor for Axial Fan Assy	15404100018	
539	Motor Support Assy	01804100280	

HVAC Suprevisor

Mechanical Engineer