

Ayub Teaching Hospital
Abbottabad

SUMMARY FOR THE APPROVAL OF TECHNICAL ADVISORY COMMITTEE

NO _____/Boiler/ATH

1	Water Treatment Chemical AC-530 Anti scaler& corrossing inhabitor AICO International	P.kg	
2	Water Treatment Chemical AC-635 microbiocide alco international	P.kg	
3	Water Treatment Chemical PH Controller alco international	P.kg	
4	Water Treatment Chemical AC-434 boiler compound alco international	P.kg	
5	Water Treatment Chemical AC-424 Sludge dispersant alco international	P.kg	
6	Water Treatment Chemical AC-406 oxygen Scavenger alco international	P.kg	
7	Water Treatment Chemical Multifuncional for bacterial & waste removal alco international	P.kg	
8	Descaler alco international	P.kg	
9	Salt (stoney)	P.kg	
10	Grease Mobil SHC PF 462 or Equivlent	P.kg	
11	Pressure Gauge 0-10 bar (medium air,oxygen gas,steam)	P.No	
12	Pressure Gauge 0-20 bar (medium air,oxygen gas,steam)	P.No	
13	Pressure Monitoring equipment with display. Installation included	P.No	
14	Temperature Monitoring equipment with display. Installation included	P.No	
15	Alarming router which also includes erection/comissioning/along with its fittings	P.No	
16	Digital Capillary Temperature Gauge -200 to 60 'C	P.No	
17	Digital Capillary Pressure Gauge 0 to 20 Bar	P.No	
18	Digital Capillary Pressure Gauge -50 to 15 bar	P.No	
19	Temperature Guage For Steam 0-500 or equivlent as per requirement	P.No	
20	Blow down Valve 2" Flange type	P.No	
21	Blow down Valve 2-1/2" Flange type	P.No	
22	Blow Down Valve 3" Flange Type	P.No	

23	Blow Down Valve 4 " Flange Type	P.No	
24	Water Cock 3/8" Steem Cock 3/8" Drain Cock 3/8"	P.No	
25	Round Tube Guage Glass 3/8"	P.No	
26	Round Tube Gauge Glass 1/2"	P.No	
27	Round Tube Gauge Glass 3/4"	P.No	
28	Klinger Sheet 1/2	Meter	
29	Klinger Sheet 2/3"	Meter	
30	Klinger Sheet 3/4"	Meter	
31	Klinger Sheet 4/8"	Meter	
32	teflon gaskit as per sample	Meter	
33	aluminium Gaskit as per sample	Meter	
34	Molykote	kg	
35	Permotex Red	kg	
36	Silicon sealent	kg	
37	Feed Check Valve 2-1/2" (kitz- Japan)	P.No	
38	Gland Cup 1"	P.No	
39	Gland Cup 1-1/2"	P.No	
40	Gland Cup 2"	P.No	
41	Asbustose rope 1-1/4"	P. Rft	
42	Asbustose powder (25kg)	P. bag	
43	Fire clay (25kg)	P. bag	
44	Fire cement (25kg)	P. bag	
45	Coastable Clay (25kg)	P. bag	
46	Gland Doori 1"	P.kg	
47	Gland doori 1/2"	P. Kg.	
48	Gland doori 3/8"	P. Kg.	
49	Round steel brush 2"	P. No.	

50	Steel wire brush (flute) 2"	P. No.	
51	Samad bond (500gm)	P. Kg.	
52	Electric Shock Resistance Gloves	P. Pair	
53	Daily Routine Work Gloves	P. Pair	
54	Chemical Resistant Gloves	P. Pair	
55	Mask best quality	P. No.	
56	Sheera (Gurr)	P. Kg.	
57	Fire eye (Mirror High Temp resistant)	P. No.	
58	Blower Heavy Duty (Force Draught fan with motor)	P.No.	
59	Vertical Stop steam valve globe Type 8"	P.No	
60	Blow Down Valve 2"	P.No	
61	Steam Flow Guage 12 Ton Capacity each threaded	P.No	
62	Steam Tempeture Guage Threaded	P.No	
63	Steam Pressure Guage Threaded	P.No	
64	Water Flow Guage	P.No	
65	Globe Valve 8" with Flanges for separate header isolation	P.No	
66	water level indicator (Tubular type 3/4") with length of 14"	P.No	
67	Refractory Bricks	P.No	
68	Chemical Dosing Pupmp with 10 Meter plastic pipe each	P.No	
69	Nut & Bolts	P.No	
70	Preservation Chemical during stoppage of Boiler	P.Ltr	
71	Air Vent Valve	P.No	
72	Safety Blow Down Valve	P.No	
73	Mobery line 3/8 pipe	P.Feet	
74	Feed pump Globe Valve 2-1/2"	P.No	
75	NRV of feed pump 2"	P.No	
76	Globe Valve 8" for condensate return	P.No	

77	Service Globe Valve 8"	P.No	
78	Valve Gas Motorized 4" FGD 120/60,225 VA,GC No H 118N 132,Part Number 940648	P.No	
79	Valve Butterfly 4" Eclipse D-300 D252, Part Number 940-1195	P.No	
80	Regulator Gas Low Pressure,1/2" IPS,,RV-52,D 300 D-28 Part Number 817-580	P.No	
81	Cock Gas shuttoff, 1/2" Rockford Brass # 141, D-300 D -28 Part Number 825-137	P.No	
82	Valve Lubricated plug screw 4",175 IBS Part Number941-131,D 300-D 145	P.No	
83	Condensate Pump	P.No	
84	De-Aerator Continous purging vent	P.No	
85	De-aerator OverFlow Trap	P.No	
86	Pressure Reducing Valve	P.No	
87	De-Aerator Water Level Indicator Digital	P.No	
88	De-aerator Steam Pressure Control System	P.No	
89	De-aerator Water Inlet Distributor	P.No	
90	De-aerator Water Level Control System	P.No	
91	De-aerator Safety Valve	P.No	
92	Boiler Fusible Plug As per Sample	P.No	
93	Boiler Expansion Joint	P.No	
94	Back Door Hinges As per Sample	P.No	
95	Non-Return Valve 1"	P.No	
96	Non-Return Valve 2"	P.No	
97	Non-Return Valve 3"	P.No	
98	Non-Return Valve 1/2"	P.No	
99	Non-Return Valve 2-1/2"	P.No	
100	spanner set alora	P.No	
101	combination set alora	set	
102	Striking Spanner Set	set	
103	Hammer	P.No	

104	Welding Rod 6013 2.5 mm	kg	
105	Welding Rod 6013 3.2 mm	kg	
106	Welding Rod 7018, 2.5mm	kg	
107	Welding Rod 7018, 3.2 mm	kg	
108	Player Set	set	
109	Gland Packing 1/2"	meter	
110	Gland Packing 3/4"	meter	
111	Gland Packing 1"	meter	
112	Gas Flow Meter as Per sample	P.No	
113	ButterFly valve 1"	P.No	
114	ButterFly valve 1-1/2"	P.No	
115	ButterFly valve 2"	P.No	
116	ButterFly valve 2'-1/2"	P.No	
117	Gate Valve 4"	P.No	
118	Gate Valve 2"	P.No	
119	Gate Valve 3"	P.No	
120	Mobri As per Required Specs	P.No	
121	Photovoltaic Cell	P.No	
122	Sensors For Boilers	P.No	
123	Aluminium Silicate Heat Resistant Wooving	P.No	
124	Electric LED Lights 120 watt	P.No	
125	Control panel As per PO	P.No	
126	Pressure Controller 150 PSI	P.No	
127	Pressure Controller 150 PSI Modulation	P.No	
128	Air Pressure Safety Sensor 0-15 bar	P.No	
129	Gas Low Pressure Safety Sensor	P.No	
130	Water Level Control Mercury Type	P.No	

131	Control Volume with Nab 0-1350 um	P.No	
132	Dual Fuel Burner Control LFL 1.33	P.No	
133	Ultra Violet Sensor Flame	P.No	
134	Gas Valve 3"	P.No	
135	Control Base 8 Pin	P.No	
136	Control relay 8 pin	P.No	
137	Timer + Base 220	P.No	
138	Breaker 2 Pol 6 Amp	P.No	
139	Panel Lock Red, Green, Blue	P.No	
140	Over load relay 0-50 amp	P.No	
141	Emergency Switch	P.No	
142	Submercible Pump 400 m3/hr, pressure= 5 bar	P.No	
143	Submercible Pump 3 m3/hr, pressure= 2 bar	P.No	
144	Gas Sub Meter Company Roots of Pressure 0-10 bar or euivlent of 3" dia	P.No	
145	Tube Cleaning Equipment with Motor & Flexible shaft	P.No	
146	Tube Cleaning Brush 2-3/4"	P.No	
147	Apexure Compound # 3	P.No	
148	Apexure Compound # 1	P.No	
149	Pressure Reducing Valve 1-1/2", Pressure 0-10 Bar	P.No	
150	Pressure Reducing Valve 2", Pressure 0-10 Bar	P.No	
151	Trolley Set With Tools (as per sample)	P.No	
152	Pipe Ranch small Size (as per sample)	P.No	
153	Pipe Ranch Large Size (as per sample)	P.No	
154	Flue Gas AnAlyzer of N, SOX,NOX,O,CO	P.No	
155	Modulator Motor (As per Sample)	P.No	
156	Boiler with feeder EU-580 zPID	P.No	
157	PH Meter	P.No	

158	TDS Meter	P.No	
159	Chloride Meter at Thomas Scientific	P.No	
160	Conductivity Meters - Spirax Sarco	P.No	
161	Water flow meter limit 0-99999	P.No	
162	Water Hardness Tester	P.No	
163	Tube Cleaner with motor accessory	P.No	
164	PLC Programmer	P.No	
165	Slow Opening Gas Valve 110 V	P.No	
166	Pilot Gas Slow opening Valve simens 220 V	P.No	
167	3hp Pump (Company Golden)	P.No	
168	4hp Pump (Company Golden)	P.No	
169	SS pipe Elbow with flanges, 15 inch, schedule 80	P.No	
170	SS pipe Elbow with flanges, 16 inch, schedule 80	P.No	
171	SS pipe Elbow, 16 inch, schedule 80	P.No	
172	SS pipe, 16 inch, schedule 80	P.No	
173	SS pipe, 15 inch, schedule 80	P.No	
174	Asbestos Fire rope which contains ss wires in it.	P.No	
175	Handi Gas Analyzer which determine flue gases	P.No	
176	Flanges MS size 8"	P.No	
177	MS pipe Elbow with flanges, 15 inch, schedule 80	P.No	
178	MS pipe Elbow with flanges, 16 inch, schedule 80	P.No	
179	MS pipe Elbow, 16 inch, schedule 80	P.No	
180	MS pipe, 15 inch, schedule 80	P.No	
181	Tubular Radiator 3x8 "	P.No	
182	Tubular Radiator 4x8 "	P.No	
183	Tubular Radiator 4x8 "	P.No	
184	Pressure Reducing Valve 0-6 bar	P.No	
185	Heat Exchanger upto 20-100 'C	P.No	

186	Boiler Safety valve 2-1/2 "	P.No	
187	MS pipe, 08 inch, schedule 80	P.No	
188	MS pipe, 12 inch, schedule 80	P.No	
189	MS pipe, 10 inch, schedule 80	P.No	
190	De-aerator safety vale 1"	P.No	
191	De-aerator safety vale 1'.5"	P.No	
192	MS pipe Elbow with flanges, 08 inch, schedule 80	P.No	
193	MS pipe Elbow with flanges, 12 inch, schedule 80	P.No	
194	MS pipe Elbow with flanges, 10 inch, schedule 80	P.No	
195	MS pipe Elbow with flanges, 2.5 inch, schedule 80	P.No	
196	MS pipe, 2.5 inch, schedule 80	P.No	
197	MS pipe, 2inch, schedule 80	P.No	
198	Butter fly valve 2-1/2"	P.No	
199	Butter fly valve 2"	P.No	
200	Butter fly valve 1"	P.No	
201	Gate Valve 8"	P.No	
202	Gate Valve 4"	P.No	

Boiler Engineer