

**Ayub Teaching Hospital**

**Abbottabad**

**SUMMARY FOR THE APPROVAL OF TECHNICAL ADVISORY COMMITTEE**

**NO /Boiler/ATH**

1	Water treatment Chemical Alco or Equivalent	P.kg	
2	Descaler	P.kg	
3	Salt (stoney)	P.kg	
4	Grease Mobil SHC PF 462 or Equivalent	P.kg	
5	Pressure Gauge 0-10 bar (medium air,oxygen gas,steam)	P.No	
6	Pressure Gauge 0-20 bar (medium air,oxygen gas,steam)	P.No	
7	Pressure Monitoring equipment with display. Installation included	P.No	
8	Temperature Monitoring equipment with display. Installation included	P.No	
9	Alarming router which also includes erection/comissioning/along with its fittings	P.No	
10	Digital Capillary Temperature Gauge -200 to 60 'C	P.No	
11	Digital Capillary Pressure Gauge 0 to 20 Bar	P.No	
12	Digital Capillary Pressure Gauge -50 to 15 bar	P.No	
13	Temperature Guage For Steam 0-500 or equivalent as per requirement	P.No	
14	Blow down Valve 2" Flange type	P.No	
15	Blow down Valve 2-1/2" Flange type	P.No	
16	Blow Down Valve 3" Flange Type	P.No	
17	Blow Down Valve 4 " Flange Type	P.No	
18	Water Cock 3/8" Steem Cock 3/8" Drain Cock 3/8"	P.No	
19	Round Tube Guage Glass 3/8"	P.No	
20	Round Tube Gauge Glass 1/2"	P.No	
21	Round Tube Gauge Glass 3/4"	P.No	
22	Klinger Sheet 1/2	Meter	

23	Klinger Sheet 2/3"	Meter	
24	Klinger Sheet 3/4"	Meter	
25	Klinger Sheet 4/8"	Meter	
26	teflon gaskit as per sample	Meter	
27	aluminium Gaskit as per sample	Meter	
28	Molykote	kg	
29	Permotex Red	kg	
30	Silicon sealent	kg	
31	Feed Check Valve 2-1/2" (kitz- Japan)	P.No	
32	Gland Cup 1"	P.No	
33	Gland Cup 1-1/2"	P.No	
34	Gland Cup 2"	P.No	
35	Asbustose rope 1-1/4"	P. Rft	
36	Asbustose powder (25kg)	P. bag	
37	Fire clay (25kg)	P. bag	
38	Fire cement (25kg)	P. bag	
39	Coastable Clay (25kg)	P. bag	
40	Gland Doori 1"	P.kg	
41	Gland doori 1/2"	P. Kg.	
42	Gland doori 3/8"	P. Kg.	
43	Round steel brush 2"	P. No.	
44	Steel wire brush (flate) 2"	P. No.	
45	Samad bond (500grm)	P. Kg.	
46	Electric Shock Resistance Gloves	P. Pair	
47	Daily Routuine Work Gloves	P. Pair	
48	Chemical Resistant Gloves	P. Pair	

49	Mask best quality	P. No.	
50	Sheera (Gurr)	P. Kg.	
51	Fire eye (Mirror High Temp resistant)	P. No.	
52	Blower Heavy Duty (VFD CONTROLLED)	P.No.	
53	Vertical Stop steam valve globe Type 8"	P.No	
54	Blow Down Valve 2"	P.No	
55	Steam Flow Guage 12 Ton Capacity each threaded	P.No	
56	Steam Tempeture Guage Threaded	P.No	
57	Steam Pressure Guage Threaded	P.No	
58	Water Flow Guage	P.No	
59	Globe Valve 8" with Flanges for separate header isolation	P.No	
60	water level indicator (Tubular type 3/4") with length of 14"	P.No	
61	Refractory Bricks	P.No	
62	Chemical Dosing Pupmp with 10 Meter plastic pipe each	P.No	
63	Nut & Bolts	P.No	
64	Preservation Chemical during stoppage of Boiler	P.Ltr	
65	Air Vent Valve	P.No	
66	Safety Blow Down Valve	P.No	
67	Mobery line 3/8 pipe	P.Feet	
68	Feed pump Globe Valve 2-1/2"	P.No	
69	NRV of feed pump 2"	P.No	
70	Globe Valve 8" for condensate return	P.No	
71	Service Globe Valve 8"	P.No	
72	Valve Gas Motorized 4" FGD 120/60,225 VA,GC No H 118N 132,Part Number 940648	P.No	
73	Valve Butterfly 4" Eclipse D-300 D252, Part Number 940-1195	P.No	
74	Regulator Gas Low Pressure,1/2" IPS,,RV-52,D 300 D-28 Part Number 817-580	P.No	

75	Cock Gas shuttoff, 1/2" Rockford Brass # 141, D-300 D -28 Part Number 825-137	P.No	
76	Valve Lubricated plug screw 4",175 IBS Part Number941-131,D 300-D 145	P.No	
77	Condensate Pump	P.No	
78	De-Aerator Continous purging vent	P.No	
79	De-aerator OverFlow Trap	P.No	
80	Pressure Reducing Valve	P.No	
81	De-Aerator Water Level Indicator Digital	P.No	
82	De-aerator Steam Pressure Control System	P.No	
83	De-aerator Water Inlet Distributor	P.No	
84	De-aerator Water Level Control System	P.No	
85	De-aerator Safety Valve	P.No	
86	Boiler Fusible Plug As per Sample	P.No	
87	Boiler Expansion Joint	P.No	
88	Back Door Hinges As per Sample	P.No	
89	Non-Return Valve 1"	P.No	
90	Non-Return Valve 2"	P.No	
91	Non-Return Valve 3"	P.No	
92	Non-Return Valve 1/2"	P.No	
93	Non-Return Valve 2-1/2"	P.No	
94	spanner set alora	P.No	
95	combination set alora	set	
96	Striking Spanner Set	set	
97	Hammer	P.No	
98	Welding Rod 6013 2.5 mm	kg	
99	Welding Rod 6013 3.2 mm	kg	
100	Welding Rod 7018, 2.5mm	kg	

101	Welding Rod 7018, 3.2 mm	kg	
102	Player Set	set	
103	Gland Packing 1/2"	meter	
104	Gland Packing 3/4"	meter	
105	Gland Packing 1"	meter	
106	Gas Flow Meter as Per sample	P.No	
107	ButterFly valve 1"	P.No	
108	ButterFly valve 1-1/2"	P.No	
109	ButterFly valve 2"	P.No	
110	ButterFly valve 2'-1/2"	P.No	
111	Gate Valve 4"	P.No	
112	Gate Valve 2"	P.No	
113	Gate Valve 3"	P.No	
114	Mobri As per Required Specs	P.No	
115	Photovoltaic Cell	P.No	
116	Sensors For Boilers	P.No	
117	Aluminium Silicate Heat Resistant Wooving	P.No	
118	Electric LED Lights 120 watt	P.No	
119	Control panel As per PO	P.No	
120	Pressure Controller 150 PSI	P.No	
121	Pressure Controller 150 PSI Modulation	P.No	
122	Air Pressure Safety Sensor 0-15 bar	P.No	
123	Gas Low Pressure Safety Sensor	P.No	
124	Water Level Control Mercury Type	P.No	
125	Control Volume with Nab 0-1350 um	P.No	
126	Dual Fuel Burner Control LFL 1.33	P.No	

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

153	Chloride Meter at Thomas Scientific	P.No	
154	Conductivity Meters - Spirax Sarco	P.No	
155	Water flow meter limit 0-99999	P.No	
156	Water Hardness Tester	P.No	
157	Tube Cleaner with motor accessory	P.No	

**Boiler Engineer**