

**Ayub Teaching Hospital****Abbottabad****Pre-Tender list of Medical Gas items TAC for the year 2023-2024.**

<b>S.NO</b>	<b>Product Name</b>	<b>Unit</b>
<b>I</b>	<b>Copper Fitting Pipe description</b>	
1	Copper pipe Quarter.	Rft
2	Copper Elbow Quarter	Nos
3	Copper Tee Quarter	Nos
4	Copper Socket Quarter	Nos
5	Copper pipe ¾".	Rft
6	Copper Elbow ¾".	Nos
7	Copper Tee ¾".	Nos
8	Copper Socket ¾".	Nos
9	Reducing Coupling, ¾" x ½", Copper	Nos
10	Reducing Coupling, ¾" x 1.5", Copper	Nos
11	Reducing Coupling, ¾" x 2", Copper	Nos
12	Reducing Coupling, ¾" x 2", Copper	Nos
13	Reducing Coupling, ¾" x 3", Copper	Nos
14	Reducing Coupling, ¾" x 1.5", Copper	Nos
15	Copper pipe ½".	Rft
16	Copper Elbow ½"	Nos
17	Copper Tee ½"	Nos
18	Copper Socket ½"	Nos
19	Reducing Coupling, ½" x 1.5", Copper	Nos
20	Reducing Coupling, ½" x 2", Copper	Nos
21	Reducing Coupling, ½" x 2", Copper	Nos
22	Reducing Coupling, ½" x 3", Copper	Nos
23	Reducing Coupling, 1-½" x ¾", Copper	Nos
24	Copper pipe 1x½"	Rft
25	Copper Elbow 1x½"	Nos
26	Copper Tee 1x½"	Nos
27	Copper Socket 1x½"	Nos
28	Reducing Coupling, 1x½" x 1.5", Copper	Nos
29	Reducing Coupling, 1x½" x 2", Copper	Nos
30	Reducing Coupling, 1x½" x 2", Copper	Nos
31	Reducing Coupling, 1x½" x 3", Copper	Nos
32	Reducing Coupling, 1x½" x ¾", Copper	Nos
33	Copper pipe 1"	Rft
34	Copper Elbow 1"	Nos
35	Copper Tee 1"	Nos
36	Copper Socket 1"	Nos
37	Reducing Coupling, 1" x ½", Copper	Nos
38	Reducing Coupling, 1" x ¾", Copper	Nos
39	Reducing Coupling, 1" x 1.5", Copper	Nos
40	Reducing Coupling, 1" x 2", Copper	Nos
41	Reducing Coupling, 1" x 2", Copper	Nos

42	Reducing Coupling, 1" x 3", Copper	Nos
43	Copper pipe 1.5"	Rft
44	Copper Elbow 1.5"	Nos
45	Copper Tee 1.5"	Nos
46	Copper Socket 1.5"	Nos
47	Reducing Coupling, 1.5" x 1/2", Copper	Nos
48	Reducing Coupling, 1.5" x 3/4", Copper	Nos
49	Reducing Coupling, 1.5" x 2", Copper	Nos
50	Reducing Coupling, 1.5" x 3", Copper	Nos
51	Copper pipe 2"	Rft
52	Copper Elbow 2"	Nos
53	Copper Tee 2"	Nos
54	Copper Socket 2"	Nos
55	Reducing Coupling, 2" x 1/2", Copper	Nos
56	Reducing Coupling, 2" x 3/4", Copper	Nos
57	Reducing Coupling, 2" x 3", Copper	Nos
58	Reducing Coupling, 2" x 1.5", Copper	Nos
59	Copper pipe 3"	Rft
60	Copper Elbow 3"	Nos
61	Copper Tee 3"	Nos
62	Copper Socket 3"	Nos
63	Reducing Coupling, 3" x 1/2", Copper	Nos
64	Reducing Coupling, 3" x 3/4", Copper	Nos
65	Reducing Coupling, 3" x 2", Copper	Nos
ii	<b>Metal Brass description Adapter Screw Connector for valve fitting</b>	
1	Reducing Coupling, 3/4" x 1/2", Metal Brass	Nos
2	Reducing Coupling, 3/4" x 1.5", Metal Brass	Nos
3	Reducing Coupling, 3/4" x 2", Metal Brass	Nos
4	Reducing Coupling, 3/4" x 2", Metal Brass	Nos
5	Reducing Coupling, 3/4" x 3", Metal Brass	Nos
6	Reducing Coupling, 3/4" x 1.5", Metal Brass	Nos
7	Reducing Coupling, 1/2" x 1.5", Metal Brass	Nos
8	Reducing Coupling, 1/2" x 2", Metal Brass	Nos
9	Reducing Coupling, 1/2" x 2", Metal Brass	Nos
10	Reducing Coupling, 1/2" x 3", Metal Brass	Nos
11	Reducing Coupling, 1-1/2" x 3/4", Metal Brass	Nos
12	Reducing Coupling, 1x1/2" x 1.5", Metal Brass	Nos
13	Reducing Coupling, 1x1/2"x 2", Metal Brass	Nos
14	Reducing Coupling, 1x1/2"x 2", Metal Brass	Nos
15	Reducing Coupling, 1x1/2"x 3",Metal Brass	Nos
16	Reducing Coupling, 1x1/2"x 3/4", Metal Brass	Nos
17	Reducing Coupling, 1" x 1/2", Metal Brass	Nos
18	Reducing Coupling, 1" x 3/4", Metal Brass	Nos
19	Reducing Coupling, 1" x 1.5",Metal Brass	Nos
20	Reducing Coupling, 1" x 2", Metal Brass	Nos
21	Reducing Coupling, 1" x 2", Metal Brass	Nos
22	Reducing Coupling, 1" x 3", Metal Brass	Nos

23	Reducing Coupling, 1.5" x 1/2",Metal Brass	Nos
24	Reducing Coupling, 1.5" x 3/4", Metal Brass	Nos
25	Reducing Coupling, 1.5" x 2", Metal Brass	Nos
26	Reducing Coupling, 1.5" x 3", Metal Brass	Nos
27	Reducing Coupling, 2" x 1/2", Metal Brass	Nos
28	Reducing Coupling, 2" x 3/4", Metal Brass	Nos
29	Reducing Coupling, 2" x 3", Metal Brass	Nos
30	Reducing Coupling, 2" x 1.5", Metal Brass	Nos
31	Reducing Coupling, 3" x 1/2", Metal Brass	Nos
32	Reducing Coupling, 3" x 3/4", Metal Brass	Nos
33	Reducing Coupling, 3" x 2", Metal Brass	Nos
<b>iii</b>	<b>Copper Rod description</b>	
1	Material Copper Rod Length 350 mmSize 3.15 mm	per(Kg)
2	Flat Phosphor Copper Welding Rods Thickness 1.2* width3.2* Length 500mm	per(Kg)
3	copper rod for welding	per(Kg)
4	2.5mmX350mm Copper Welding Rods	per(Kg)
<b>iv</b>	<b>Oxygen outlet point description</b>	
1	French Standard Gas Outlets with base complete	Nos
2	Japanese Standard Gas Outlets with base complete	Nos
3	German Standard Gas Outlets with base complete	Nos
4	DISS Medical Gas Outlets with base complete	Nos
5	Medical Gas Outlets Precision UK with base complete	Nos
6	Oxygen out let point with base complete.( Pakistan standerd)	Nos
<b>v</b>	<b>Medical GAS Adapters description</b>	
1	British Standard Quick Probe Adaptors	Nos
2	Cupling Adapters	Nos
3	Twin Coupling Valves	Nos
<b>vi</b>	<b>Suction Regulator description</b>	
1	Wall-Mounted Suction Apparatus	Nos
2	Vacuum Regulator with Suction Bottle	Nos
3	Pakistan Type Suction Regulator complete	Nos
4	American Type Suction Regulator complete	Nos
5	French Type Suction Regulator complete	Nos
6	German Type Suction Regulator complete	Nos
7	British type Suction Regulator complete	Nos
8	Suction Bottle Suction Regulator complete	Nos
9	Japanese type Suction Regulator complete	Nos
10	Compressed Air outlet point complete	Nos
11	Suction Regulator outlet point. Complete	Nos
12	CPX Sucton Regulator complete	Nos
13	Sution injector AV500 Penlon	
<b>vii</b>	<b>Compressor types description</b>	
1	Hospital Compressed Air System	Nos
2	Three Stage Medical Filter air	Nos
3	Four Stage Medical Filter air	Nos
4	Medical Sterile Filters air	Nos



7	Medical Oxygen Regulator with Humidifier Material: Main brass + aluminum alloy flow meter;	Nos
8	Oxygen Regulator - Click Type with Humidifier Bottle (No need Spanner - Easy Hand Tightened)	Nos
<b>xi</b>	<b>Medical Oxygen flow-meter for central supply system.</b>	
1	Pakistan Type Oxygen flow meter for central supply system	Nos
2	American type Oxygen flow meter for central supply system	Nos
3	French Type Oxygen flow meter for central supply system	Nos
4	German type Oxygen flow meter for central supply system	Nos
5	British type Oxygen flow meter for central supply system	Nos
6	Brass Body Medical Gas Flowmeter	Nos
7	China Products Amercian Style Aluminum Oxygen Regulator	Nos
8	Western Medical EMS Oxygen Flow Control Regulator, MPR-501, Click Style,	Nos
9	Medical Oxygen Flow-Meters (Wall Faxed, Double-type)	Nos
10	Double-tube Oxygen Flowmeters With Humidifiers, Tube-type Oxygen Flowmeters With DIN/BS O2 Probes(Adapters):	Nos
<b>xii</b>	<b>Fire Extinguisher description</b>	Nos
1	Conventional Fire Alarm Control Panel 4 Zone Item No.: AW-CFP2166-4	Nos
2	electronic Smoke Detector LPCB EN54 Approve	Nos
3	Fire detector (A device which can detect a fire, and provide a signal to an alarm circuit. Fire detectors can be operated by smoke, flames, and heat, or any combination of these factors. Flame detectors are rarely used on board ships these days. Heat detectors are used in places such as the galley and laundry. Smoke detectors are used in machinery spaces, accommodation areas and cargo holds.	Nos
4	Smoke detector:A smoke detector is an electronic fire-protection device that automatically senses the presence of smoke, as a key indication of fire, and sounds a warning to building occupants.	Nos
5	Medical Equipment Hospital Use Head Panel Fireproofing,Antistatic,Anti-Bacterial,Mould-Proof with Lamp	Nos
6	Water De-Hydrant (Class A:suitable for Cloth,Wood,Rubber,Paper,Various plastics, and rgular combustibile fires.The extinguishing agent is water or fome) 8kg Capacity.	Nos
7	CO2 De-Hydrant (Class B: Suitable for gasoline,oil fires.The extinguishing agent is water or fome) 8kg Capacity.	Nos
8	Dry-Powder Dehydrant Class C: Suitable for energized electrical fires.The extinguishing agent is dry chemical or Carbone dioxide) 8kg Capacity.	Nos
9	De-hydrant Class D:Suitable for combustibile metals.The extinguishing agent dry powdered chemical ) 8kg Capacity.	Nos
10	De-hydrant Class ABS:This is all-purpose fire extinguisher that works on Class A,B and C fires.The extinguishing agent dry chemical ) 8kg Capacity.	Nos
11	Foam Type Portable Wheeled fire	
12	Wet Chemical.	Nos
13	Refilling water dehydrant Class A	Kg
14	Refilling of CO2 Class B	Nos
15	Refilling of CO2 Class C	Nos
16	Refilling of CO2 Class D	Nos

17	Refilling of CO2 Class ABC	Nos
18	CO2 Portable Wheel Fire Extinguisher, capacity 7Kg	Nos
19	Dry Chemical Powder Portable wheeld fire wxtinguisher capacity 150Kg	Nos
20	Foam Type Portable wheeld fire extinguisher capacity 50Kg	Nos
21	Water Type Portable wheeld fire extinguisher capacity 50ltr	Nos
22	Halotron Type Portable wheeld fire extinguisher capacity 50Kg	Nos
23	Fire HoseBox With all accessories	Nos
<b>xiii</b>	<b>Oxygen Generator items. Description</b>	
1	Oil seprater cartridge (oxygen generator)	Nos
2	Air filter	Nos
3	Pre filter element	Nos
4	Coalescing element	Nos
5	Feed valve rebit kit	Nos
6	wast valve rebit kit	Nos
7	equalization valve rebuild kit	Nos
8	oxygen buster filter	Nos
9	Pressure relive valve	Nos
10	pistone ring 1st stage	Nos
11	pistone ring 2nd stage	Nos
12	solenoid valve	Nos
13	Eco drain	Nos
14	Motor bearing	Nos
15	suction regulator	Nos
16	compresser valve	Nos
17	manifold valve	Nos
18	oxygen regulator for VIE tank pressure 0.20bar, compleet with all aspects	Nos
19	Manifold Bottle regulator 300 bar	Nos
20	Oxygen flowmeter nozzle with cap	Nos
21	barrication tape with label of ATH	Nos
22	Stikers for Medical gasess equipment	Nos
23	Rak tabung APAR JS-APAR 06/Dadukan	Nos
24	Fire point trolley with assessories including first aid kit and cylinders	Nos
25	Digital Area Alarm unit	Nos
26	Ms Steel analog Gas Alram System	Nos
27	Handi Medical Oxygen liquid Purity analyzer Maxtec Model Handi Made in USA)	Nos
<b>XIV</b>	<b>Line Valve Description</b>	Nos
1	Line Valve kitz with fitting 1/4"	Nos
2	Line valve Kitz with fitting 1/2"	Nos
3	Line valve Kitz with fitting 3/4"	Nos
4	Line valve Kitz with fitting 1"	Nos
5	Line valve Kitz with fitting 3"	Nos
6	Line valve Kitz with fitting 4"	Nos
7	Line valve Kitz with fitting 1.5"	Nos
8	Line valve Kitz with fitting 2" x 1/2"	Nos
<b>xv</b>	<b>NRV Valve discription</b>	
1	Non valve with fitting 1/4"	Nos
2	Non valve with fitting 1/2"	Nos

3	Non valve with fitting 3/4"	Nos
4	Non valve Kitz with fitting 1"	Nos
5	Non valve Kitz with fitting 3"	Nos
6	Non valve Kitz with fitting 4"	Nos
7	Needle Valve with fitting 1.5"	Nos
<b>xvi</b>	<b>Medical Air compressor Parts Description</b>	Nos
1	Automatic Tank Drain (Elite only)	Nos
2	Low Oil monitor (Elite Only)	Nos
3	Inner cooler safety valve	Nos
4	Air filter (2 required)	Nos
5	Compressor pump	Nos
6	Discharge safety valve	Nos
7	Belt guard after cooler (Elite only)	Nos
8	Belts (B-85)	Nos
9	Belts (B-98)	Nos
10	Belt guard	Nos
11	sigt glass	Nos
12	Electric motor drive pulley	Nos
13	Motor pulley hub	Nos
14	Electric motor	Nos
15	Magnetic starter	Nos
16	Pressure switch	Nos
17	Pressure gauge	Nos
18	Compressor tank	Nos
19	Check valve	Nos
20	Air Compressor Pressure Valve Switch Control Manifold Regulator Gauges	Nos
21	Compressor oil (Best Quality) puman	Nos
22	2 PCs x Barometer(Plastic cover)	Nos
23	1 PC x Automatic Air Pressure Switch	Nos
24	1 PC x Safety Clique(valve)	Nos
25	1 PC x Ball Clique Switch (valve)	Nos
26	1 PC x Bracket	Nos
<b>xvii</b>	<b>Cyliders trolley description.</b>	
9	<p>Small oxygen cylinder trolley - 20 cylindrs capacity suitable for up to 3 size F or HX, and 16 size CD, ZD or D oxygen cylinder bottles.</p> <p>25mm dia. steel tube handle and front end.</p> <p>Two 1.6mm thick steel supporting shelves.</p> <p>Mounted on 2 fixed, and 2 braked 125mm dia. swivel (ATH)marking blue rubber tyred castors.</p> <p>Overall H x W x L: 1000 x 560 x 890mm.</p> <p>Capacity 120kg.</p> <p>Weight 30kg.</p>	Nos

10	<p>Medical oxygen cylinder large trolleys</p> <ul style="list-style-type: none"> <li>• For size F or HX oxygen cylinder .</li> <li>• Fitted with revolving protective buffers and anti-static wheels.</li> <li>• Safety loop handle.</li> <li>•</li> </ul> <p>Crossbars secured by butterfly screw fittings.</p> <ul style="list-style-type: none"> <li>• Rubber lined cradles for grip and low noise.</li> <li>• Weight 11kg. G Design No. Overall W x D x H mm Wheel dia. 1100 x 430 x 585 160 223.00</li> </ul>	Nos
11	<p>Medical Cylinder Trolley, 8 Cylinder Capacity, 24" x 60" x 48" Gas Cylinder Truck. Move bulky gas cylinders by hand with this heavy-duty steel truck. Thick 7 gauge deck is reinforced with 1-1/2" square tubing and substantial 7 gauge gussets. Square tube uprights support 1/4" thick corral dividers. Heavy-duty chain secures the cylinders during transport. Low deck for easy loading and unloading. 2 swivel and 2 rigid casters with 8" phenolic wheels. Loop handle at swivel end. Overall height (empty) is 48". Product dimensions: 24" x 60" x 48".</p>	Nos
12	Wheeled Caster Frame for 6 Cylinder Storage Rack, Black(as per sample)	Nos
<b>Other items description</b>		
1	Oxygen Gas Leak Control and Display Alarm Panel for there Oxygen and NO Cylinder storage Room	Nos
2	Medical Air Comp	Nos
3	Oxygen Gas Alarm	Nos
4	Oxygen cylinder opening keys	Nos
5	Medical Gas Area Alarm System	Nos
6	Vacuum Oil (delo gold)	ltr
7	Co2 cylinder (socket)	Nos
8	Large Oxygen Cylinder Wall Mount	Nos
9	E or D Cylinder Wall Mount Rack (2, 3, 4, 5, and 8 cylinder options)	Nos
10	Oxygen probes	Nos
11	Rawal plug 1/2", 1", 2"	Nos
12	METALIC DECANTING HOSE W/ DIGITAL PRESSURE GAUGE &	Nos
13	Suction injector Complete	Nos
14	Safty Valve	Nos
15	Pressure senser	Nos
16	Pressure Gauge	Nos
17	Emergence Stop botton	Nos
18	oil filter	Nos
19	Suction filter	Nos
20	Oil tempreture senser	Nos
21	Thermostatic valve	Nos
22	Heat Exchanger Air/water	Nos
23	Heat Exchanger Oil/water	Nos
24	Protective gloves	Nos
25	Protective Shoes	Nos
26	Protective Clothes	Nos
27	Protective glasses	Nos



28	High Pressure Medical Hose for Pendant Used with Oxygen Flowmeter	Nos
29	On/Off switch	Nos
30	Liquid Oxygen Flexible Hose Pipe Material Stainless Braided steel Hose Brand SS Flex-Hose	Nos
31	Medical Oxygen Hose Tube for Medical Gas Connector Material: No Toxic PVC, PVC Kind: Thermoplastics Pipes Water Absorption: <0.01% Contraction Percentage: <0.4% Tensile Strength: 3.46MPa Pressure: 20 Bar	Nos
32	Auto/Manual Switch	Nos
33	Manual Drain Button	Nos
34	Cylinders Pressure Gaguge	Nos
35	Oxygen Concentration Light	Nos
36	oxygen liquid purity analyzer	Nos
37	oxygen purity sensor	Nos
38	Hand Tool Set	Nos
39	Universal Wrench Set Adjustable Wrench Multi-function	Nos
40	Fully Automatic Oxygen Control Panel, For Medical	Nos
41	Semi Automatic Oxygen Control Panel	Nos
42	Area Control Unit (Unit of your gas management system.Dräger)or equivalent	Nos
43	Area Control Unit (Unit of your gas management system.local)or equivalent	Nos
44	Wall-mounted bed head unit MG-HB	Nos
45	Medical Bed Head Unit ICU and Ward Bed Head Panel Oxygen Supply System Type for Hospital (O <sub>2</sub> ,Vacuum,Air,N <sub>2</sub> O,etc.according to different requirement With different standards.like Pak/British/french/South African/American/German,etc or equivalent	Nos
46	Medical Vacuum Hose for Pendent Suction Unit	Nos
47	Operation Theatre Control Panel or equivalent	Nos
48	Control Panel Board-Oxygen or equivalent	Nos
49	Classic Brass Wall Mount Pipe Clips Quarter Pipes	Nos
50	Classic Brass Wall Mount Pipe Clips for Copper pipe ¾"	Nos
51	Classic Brass Wall Mount Pipe Clips for Copper pipe ½"	Nos
52	Classic Brass Wall Mount Pipe Clips for Copper pipe 1x1/2"	Nos
53	Classic Brass Wall Mount Pipe Clips for Copper pipe 1"	Nos
54	Classic Brass Wall Mount Pipe Clips for Copper pipe 1.5"	Nos
55	Classic Brass Wall Mount Pipe Clips for Copper pipe 2"	Nos
56	Classic Brass Wall Mount Pipe Clips for Copper pipe 3"	Nos
57	Brand new empty Oxygen Cylinder size 240 cft MM 2000psi (Verified tested)	Cylinders
58	Brand new empty Oxygen Cylinder size 48 cft MF 2000psi (Verified tested)	Cylinders
59	Brand new empty Oxygen Cylinder size 24 cft 2000psi (Verified tested)	Cylinders
60	Brand new empty Oxygen Cylinder size 98 cft 2000psi (Verified tested)	Cylinders
61	Brand new empty Compressed Air Cylinder size 240 cft MM (Verified tested)	Cylinders
62	Brand new empty Nitrous Cylinder size 16200 liter MM (Verified tested)	Cylinders
63	Brand new empty Nitrous Cylinder size 1620 liter (Verified tested)	Cylinders

64	Brand new empty carbon dioxide cylinders MM (Verified tested)	Cylinders
65	Brand new empty Nitrogen Cylinder size 240 cft MM (Verified tested)	Cylinders
66	Oxygen Bullnose cylinder valve	Each
67	Nitrous Bull Nose for cylinder	Each
68	Hydraulic Testing of all kind of brand new cylinders (Verified tested)	Cylinders
69	Painting of Cylinders	Cylinders
70	Brand new empty Acetylene Cylinders (Verified tested)	
71	Refilling of Acetylene Cylinders (Verified tested)	Per/Kg
72	<p>High presure washer Voltage:220-240V 50/60Hz  carbon brush motor  Pure copper Wire  input power:1400W  Max  Pressure:130Bar (1900PSI)  Flow rate:5.5L/min  Auto stop system  1 set water spray gun  5m high  pressure hose  Packed color box</p>	Nos
73	Flexible washing Pipe 1"	Nos
74	Oxygen termination valve 1" plastic material	Nos
75	Oxygen Multi flow meter	Nos
76	Oxygen Tracker high volume which tells flow, pressure, temperaure, size=1" & with fittir	Nos
77	Oxygen Tank, 10000 Liter	Nos
78	Oxygen Tank, 5000 Liter	Nos