

## वी.पी.कोइराला स्वास्थ्य विज्ञान प्रतिष्ठान धरानको कोटेशन माग गरिएको सूचना । (पुनः सूचना प्रकाशित मिति:२०५२।०५)

यस प्रतिष्ठानको विभिन्न वार्डहरूमा Central Gas Line (Oxygen Outlet) जडानको लागि आवश्यक संलग्न Specification बमोजिमको सामाग्री खरिद गर्न लागत अनुमान तयार गर्नुपर्ने भएकोले सो प्रयोजनको लागि व्यवसाय (फर्म) दर्ता प्रमाणपत्र, मु.अ.कर दर्ता प्रमाणपत्र, आ.व. २०८०/०८१ को कर चुक्ताको प्रमाणपत्रको प्रतिहरू संलग्न गरी यो सुचना प्रकाशित मितिले ७ (सात) दिन भित्र कोटेशन तथा क्याटलगहरू पेश गर्नुहुन सुचित गरिन्छ । माग गरिएको कोटेशन तथा क्याटलगहरू तोकिएको म्यादभित्र प्रतिष्ठानको दर्ता, चलानी फाँटमा दर्ता गर्नुहुन वा quotation.procurement@bpkihs.edu मा email मार्फत पेश गनुपर्नेछ ।

## MGPS FOR EYE , ENT, ORTHO AND DIALYSIS WARD

N.	and the second s	Qty.
R	S FN 737-1:1998	25 pes. + 25 pes.
O 01	outlets Shall be manufactured with a 165 mm long Copper inlet pipe stub which is silver brazed to the utlet body. The inlet pipe should be capable of swiveling by 360 degrees for enabling the same to be connected to the pipeline system.	
O be m	Dutlet shall be equipped with a primary and secondary check valve and the secondary check valve shall be rated at minimum pressure—of 200 psi. In the event the primary check valve is removed for naintenance there should not be any leakage (on-line maintenance should be possible w/o disrupting the unctioning of other outlets). Outlet bodies shall be gas specific by indexing each gas service to a gas pecific dual pin indexing arrangement on the respective identification module.	
bo A W va do	There should be a push button release mechanism for disconnecting apparatus accessible from top, ottom and side of outlets.  I large color-coded front plate/cover shall be used for ease of gas identification and aesthetic appeal. With the back rough in mounted the outlet shall adjust up to 25 mm variation in wall thickness. The latch alve assemble should accept only corresponding gas specific adaptors. All outlets shall be cleaned and egreased for medical gas service, factory assemble and tested.	12pcs, + 12pcs
2 Is	solotion Valve '15mm for O2 and 22mm for Suction	12pcs. + 12pcs
V	Valve shall be a 4-bolt design, bronze body, double seal, union ball-type, with Teflon (TFE) seats and Viton seals, "O" ring packing, and ball which seals in both directions, blow-out proof stem, with a ressure rating of 2760 kPa (400 psig). Valves shall be operated by a lever-type handle requiring only a parter turn from open position to a fully closed position.	
	alve Box with Alarm for Two Gases (Oxygen & Vacuum)	3 set's
_	To a state of the	25 pcs.
Ba Va Itr	exygen BPC Flow Meter & Humidifier Bottle.  ack Pressure Compensated flow meter for a accurate gas flow incorporating a rotary pin valve (FA alve) to control and adjust the flow rate of oxygen to any desired level within the range of 0-15 rs/min. It will meet strict precision and durability standard. The flow meter body should be made to of brass chrome plated materials. The flow tube and the shroud components should be made up clear, impact resistant polycarbonate. The humidifier bottle should be unbreakable, autoclavable 134 degree centrigrade with a nut on the cap fitted on top inlet and side outlet tubes of 200-250ml	

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5	Walter Frederick Color C	25 pcs.
	Ward vacuum unit with suction regulator, vacuum gauge, on/off switch, h.p suction tube with tip,fluid control trap (to safeguard from overflowing) and 600 ml jarwith cover made up of unbreakable and re-usable polycarbonate material and autoclavable at 134 degree centrigrade.	
6	12MM B31 KITE MARKED CERTIFIED COTTER I M 25	80 mtr.
	12 mm dia X 0.7mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Line supply and distribution as per HTM 02-01 and BS EN 13348 : 2016	
	15MM BSI KITE MARK CERTIFIED COPPER PIPES	120 mtr.
	15 mm dia X 0.9mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Line supply and distribution as per HTM 02-01 and BS EN 13348: 2016	
8	22MM RSI KITE MARK CERTIFIED COPPER PIPES	120 mtr.
	22 mm dia. X 0 12mm. thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Line supply and distribution as per HTM 02-01 and BS EN 13348 : 2016	
9	Copper Fittings as per HTM 02-01 and BS EN 1254	1 lot (as per
	The Cocket Deducer etc	requirement)  1 lot (as per
10	High Quality Plastic Saddles with Clamps and Bulltes With Anti Corroison Nuts and Bons	requirement)
11	Complete Set (12mm, 15mm, 22mm)  Pipeline Installation. Testing, Purging, Comminission & Fitting should strictly comply to HTM 02	Bidder's Work
	01 and BS EN 737-3:2000	Bidder's
12	Comprehensive warranty/quarantee of atleast 2 years for complete system including parts and	

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	MIGES FOR ETE, ENT, ORTHO AND DIALISIS WARD	
5/N.	the state of the s	Qty.
1	Front Loaded Metal Gas Outlets with PL Adaptors for Oxygen & Vacuum as per HTM 02-01 and	25 pcs. + 25 pcs.
	BS EN 737-1:1998	
_	Outlets Shall be manufactured with a 165 mm long Copper inlet pipe stub which is silver brazed to the	
	outlet body. The inlet pipe should be capable of swiveling by 360 degrees for enabling the same to be	
	announted to the ningline system	
	Outlet shall be equipped with a primary and secondary check valve and the secondary check valve shall	
	he roted at minimum pressure, of 200 psi. In the event the primary check valve is removed for	1
	maintenance there should not be any leakage (on-line maintenance should be possible w/o disrupting the	
	functioning of other outlets). Outlet bodies shall be gas specific by indexing each gas service to a gas	
	functioning of other outlets). Outlet boules shall be gas specified by macking each gas as the properties identification module	
	specific dual pin indexing arrangement on the respective identification module.	
	There should be a push button release mechanism for disconnecting apparatus accessible from top,	
	bottom and side of outlets.	l
	A large color-coded front plate/cover shall be used for ease of gas identification and aesthetic appeal.	
	the bank rough in mounted the outlet shall adulst up to 25 mm variation in wan unexpress. The faces	
	valve assemble should accept only corresponding gas specific adaptors. All outlets shall be cleared and	
	degreased for medical gas service, factory assemble and tested.	
_	Isolotion Valve 15mm for O2 and 22mm for Suction	12pcs, + 12pcs.
2	Valve shall be a 4-bolt design, bronze body, double seal, union ball -type, with Teflon (TFE) seats and	
	Valve shall be a 4-bolt design, bronze body, dodole sear, union our type, which a Viton seals, "O" ring packing, and ball which seals in both directions, blow-out proof stem, with a Viton seals, "O" ring packing, and ball which seals in both directions, blow-out proof stem, with a	
	Viton seals, "O" ring packing, and ball which seals in both directions, blow our proof only a	
	Viton seals, "O" ring packing, and ball which seals in both directions, down only a pressure rating of 2760 kPa (400 psig). Valves shall be operated by a lever-type handle requiring only a	
	quarter turn from open position to a fully closed position.	
_		3 set's
3	Valve Box with Alarm for Two Gases (Oxygen & Vacuum)	25 pcs.
4	Oxygen BPC Flow Meter & Humidifier Bottle.	
_	a rotary pin varve (1.1	
	the flow rate of avvigen to any desired level within the tange of	
	Valve) to control and adjust the flow rate of oxygen to any desired level within the tange of a valve) to control and adjust the flow rate of oxygen to any desired level within the tange of a valve) to control and adjust the flow rate of oxygen to any desired level within the tange of a valve).	
	Valve) to control and adjust the flow rate of oxygen to any desired level within the tange of a large min. It will meet strict precision and durability standard. The flow meter body should be made litrs/min. It will meet strict precision and durability standard. The flow tube and the shrould components should be made up	
	Valve) to control and adjust the flow rate of oxygen to any desired level within the tange of a large min. It will meet strict precision and durability standard. The flow meter body should be made litrs/min. It will meet strict precision and durability standard. The flow tube and the shrould components should be made up	
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	Valve) to control and adjust the flow rate of oxygen to any desired level within the tange of a large min. It will meet strict precision and durability standard. The flow meter body should be made litrs/min. It will meet strict precision and durability standard. The flow tube and the shrould components should be made up	
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	Valve) to control and adjust the flow rate of oxygen to any desired level within the tange of oxygen to any desired level with	25 pcs.
5	Valve) to control and adjust the flow rate of oxygen to any desired level within the tange of value ltrs/min. It will meet strict precision and durability standard. The flow meter body should be made up of brass chrome plated materials. The flow tube and the shroud components should be made up of clear, impact resistant polycarbonate. The humidifier bottle should be unbreakable, autoclavable at 134 degree centrigrade with a nut on the cap fitted on top inlet and side outlet tubes of 200-250ml ward VacuumUnit With Pressure Regulator	
5	Valve) to control and adjust the flow rate of oxygen to any desired level within the targe oxygen to any desired level within	
5 ]	Valve) to control and adjust the flow rate of oxygen to any desired level within the targe oxygen to any desired level within the targe oxygen to any desired level within the targe oxygen the target oxygen to any desired level within the target oxygen the target oxygen to any desired level within the target oxygen the target oxygen to any desired level within the target oxygen the target oxygen to any desired level within the target oxygen the target oxygen the target oxygen the target oxygen the target o	
5 1	Valve) to control and adjust the flow rate of oxygen to any desired level within the tange of valve) tris/min. It will meet strict precision and durability standard. The flow meter body should be made up of brass chrome plated materials. The flow tube and the shroud components should be made up of clear, impact resistant polycarbonate. The humidifier bottle should be unbreakable, autoclavable at 134 degree centrigrade with a nut on the cap fitted on top inlet and side outlet tubes of 200-250ml ward vacuum unit with suction regulator.  Ward Vacuum unit with suction regulator, vacuum gauge, on/off switch, h.p suction tube with ip,fluid control trap (to safeguard from overflowing) and 600 ml jarwith cover made up of imbreakable and re-usable polycarbonate material and autoclavable at 134 degree centrigrade.	25 pcs.
5 <u>.</u> t	Valve) to control and adjust the flow rate of oxygen to any desired level within the tange of value ltrs/min. It will meet strict precision and durability standard. The flow meter body should be made up of brass chrome plated materials. The flow tube and the shroud components should be made up of clear, impact resistant polycarbonate. The humidifier bottle should be unbreakable, autoclavable at 134 degree centrigrade with a nut on the cap fitted on top inlet and side outlet tubes of 200-250ml ward vacuum unit with suction regulator, vacuum gauge, on/off switch, h.p suction tube with inp,fluid control trap (to safeguard from overflowing) and 600 ml jarwith cover made up of imbreakable and re-usable polycarbonate material and autoclavable at 134 degree centrigrade.	
5 <u>1</u> t	Valve) to control and adjust the flow rate of oxygen to any desired level within the tange of value ltrs/min. It will meet strict precision and durability standard. The flow meter body should be made up of brass chrome plated materials. The flow tube and the shroud components should be made up of clear, impact resistant polycarbonate. The humidifier bottle should be unbreakable, autoclavable at 134 degree centrigrade with a nut on the cap fitted on top inlet and side outlet tubes of 200-250ml ward vacuum unit with suction regulator, vacuum gauge, on/off switch, h.p suction tube with inp,fluid control trap (to safeguard from overflowing) and 600 ml jarwith cover made up of imbreakable and re-usable polycarbonate material and autoclavable at 134 degree centrigrade.  12 mm dta, X 0.7mm, thickness Copper pipes shall be solid drawn, tempered, seamless,	25 pcs. 80 mtr.
5 1 t t t t t t t t t t t t t t t t t t	Valve) to control and adjust the flow rate of oxygen to any desired level within the tange of oxygen to any desired level within the tange of oxygen to any desired level within the tange of oxygen to any desired level within the tange of oxygen to any desired level within the tange of oxygen to any desired level within the tange of oxygen to any desired level within the tange of oxygen to any desired level within the tange of oxygen to any desired level within the tange of oxygen to any desired level within the tange of oxygen to any desired level within the flow made up of level with a nut on the cap fitted on top inlet and side outlet tubes of 200-250ml ward vacuum unit with suction regulator, vacuum gauge, on/off switch, h.p suction tube with hip,fluid control trap (to safeguard from overflowing) and 600 ml jarwith cover made up of imbreakable and re-usable polycarbonate material and autoclavable at 134 degree centrigrade.  12 mm dia X 0.7mm, thickness Copper pipes shall be solid drawn, tempered, seamless, othosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Lings of the control trap (to safeguard from oxerflowing) and degreased for Medical Gas Pipe Lings of the control trap (to safeguard from oxerflowing) and 600 ml jarwith cover made up of imbreakable and re-usable polycarbonate material and autoclavable at 134 degree centrigrade.	25 pcs. 80 mtr.
5 1 t	Valve) to control and adjust the flow rate of oxygen to any desired level within the tange of oxygen to any desired level within the tange of oxygen to any desired level within the tange of oxygen to any desired level within the tange of oxygen to any desired level within the tange of oxygen to any desired level within the tange of oxygen to any desired level within the tange of oxygen to any desired level within the tange of oxygen to any desired level within the tange of oxygen to any desired level within the tange of oxygen to any desired level within the flow made up of level with a nut on the cap fitted on top inlet and side outlet tubes of 200-250ml ward vacuum unit with suction regulator, vacuum gauge, on/off switch, h.p suction tube with hip,fluid control trap (to safeguard from overflowing) and 600 ml jarwith cover made up of imbreakable and re-usable polycarbonate material and autoclavable at 134 degree centrigrade.  12 mm dia X 0.7mm, thickness Copper pipes shall be solid drawn, tempered, seamless, othosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Lings of the control trap (to safeguard from oxerflowing) and degreased for Medical Gas Pipe Lings of the control trap (to safeguard from oxerflowing) and 600 ml jarwith cover made up of imbreakable and re-usable polycarbonate material and autoclavable at 134 degree centrigrade.	25 pcs. 80 mtr.
5 1 t	Valve) to control and adjust the flow rate of oxygen to any desired level within the tange of oxygen to any desired level within the tange of otherwise. It will meet strict precision and durability standard. The flow meter body should be made up of brass chrome plated materials. The flow tube and the shroud components should be made up of clear, impact resistant polycarbonate. The humidifier bottle should be unbreakable, autoclavable at 134 degree centrigrade with a nut on the cap fitted on top inlet and side outlet tubes of 200-250ml ward vacuum unit with suction regulator, vacuum gauge, on/off switch, h.p suction tube with ap,fluid control trap (to safeguard from overflowing) and 600 ml jarwith cover made up of imbreakable and re-usable polycarbonate material and autoclavable at 134 degree centrigrade.  12 mm dia X 0.7mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusupply and distribution as per HTM 02-01 and BS EN 13348: 2016	25 pcs. 80 mtr.
5 1 t t t t t t t t t t t t t t t t t t	Valve) to control and adjust the flow rate of oxygen to any desired level within the target level within the should be unbreakable and the should be unbreakable, and the should be	25 pcs. 80 mtr. 120 mtr.
5 <u>1</u> t t t t 1	Valve) to control and adjust the flow rate of oxygen to any desired level within the target level within the should be unbreakable and the should be unbreakable, and the should be	25 pcs. 80 mtr. 120 mtr.
5 <u>1</u> t t t t T 5 <u>1</u> T 5 <u>1</u> T 5 T 5 T 5 T 5 T 5 T 5 T 5 T 5 T 5 T	Valve) to control and adjust the flow rate of oxygen to any desired level within the tange of ltrs/min. It will meet strict precision and durability standard. The flow meter body should be made up of brass chrome plated materials. The flow tube and the shroud components should be made up of clear, impact resistant polycarbonate. The humidifier bottle should be unbreakable, autoclavable at 134 degree centrigrade with a nut on the cap fitted on top inlet and side outlet tubes of 200-250ml ward vacuum unit with suction regulator, vacuum gauge, on/off switch, h.p suction tube with inp,fluid control trap (to safeguard from overflowing) and 600 ml jarwith cover made up of imbreakable and re-usable polycarbonate material and autoclavable at 134 degree centrigrade.  IZMM BSI KITE MARKED CERTIFIED COPPER PIPES  12 mm dia X 0.7mm, thickness Copper pipes shall be solid drawn, tempered, seamless, supply and distribution as per HTM 02-01 and BS EN 13348: 2016  15 mm dia X 0.9mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Lingsphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Lingsphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Lingsphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Lingsphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Lingsphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Lingsphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Lingsphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Lingsphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Lingsphorous deoxidized.	25 pcs. 80 mtr. 120 mtr.
5 <u>1</u> t t t t T	Valve) to control and adjust the flow rate of oxygen to any desired level within the tange of the ltrs/min. It will meet strict precision and durability standard. The flow meter body should be made up of brass chrome plated materials. The flow tube and the shroud components should be made up of clear, impact resistant polycarbonate. The humidifier bottle should be unbreakable, autoclavable at 134 degree centrigrade with a nut on the cap fitted on top inlet and side outlet tubes of 200-250ml ward vacuum unit with suction regulator.  Ward vacuum unit with suction regulator, vacuum gauge, on/off switch, h.p suction tube with inp,fluid control trap (to safeguard from overflowing) and 600 ml jarwith cover made up of imbreakable and re-usable polycarbonate material and autoclavable at 134 degree centrigrade.  IZMM BSI KITE MARKED CERTIFIED COPPER PIPES  12 mm dia X 0.7mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusapply and distribution as per HTM 02-01 and BS EN 13348: 2016  15 mm dia X 0.9mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusapply and distribution as per HTM 02-01 and BS EN 13348: 2016	25 pcs. 80 mtr. 120 mtr.
5 1 t t t t t t t t t t t t t t t t t t	Valve) to control and adjust the flow rate of oxygen to any desired level within the range of the litrs/min. It will meet strict precision and durability standard. The flow meter body should be made up of brass chrome plated materials. The flow tube and the shroud components should be made up of clear, impact resistant polycarbonate. The humidifier bottle should be unbreakable, autoclavable at 134 degree centrigrade with a nut on the cap fitted on top inlet and side outlet tubes of 200-250ml ward vacuum unit with suction regulator, vacuum gauge, on/off switch, h.p suction tube with hip,fluid control trap (to safeguard from overflowing) and 600 ml jarwith cover made up of imbreakable and re-usable polycarbonate material and autoclavable at 134 degree centrigrade.  12 mm dia X 0.7mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusupply and distribution as per HTM 02-01 and BS EN 13348 : 2016  15 mm dia X 0.9mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusupply and distribution as per HTM 02-01 and BS EN 13348 : 2016	25 pcs.  80 mtr.  120 mtr.
5 ] t t 7 ]	Valve) to control and adjust the flow rate of oxygen to any desired level within the range of other litrs/min. It will meet strict precision and durability standard. The flow meter body should be made up of brass chrome plated materials. The flow tube and the shroud components should be made up of clear, impact resistant polycarbonate. The humidifier bottle should be unbreakable, autoclavable at 134 degree centrigrade with a nut on the cap fitted on top inlet and side outlet tubes of 200-250ml ward vacuum unit with suction regulator, vacuum gauge, on/off switch, h.p suction tube with hip,fluid control trap (to safeguard from overflowing) and 600 ml jarwith cover made up of unbreakable and re-usable polycarbonate material and autoclavable at 134 degree centrigrade.  12 mm dia X 0.7mm. thickness Copper pipes shall be solid drawn, tempered, seamless, supply and distribution as per HTM 02-01 and BS EN 13348 : 2016  15 mm dia X 0.9mm. thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusable phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusable phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusable phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusable phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusable phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusable phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusable phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusable phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusable phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusable phosphorous deoxidized, half hard tem	25 pcs.  80 mtr.  120 mtr.
5 1 1 1 5 5 7 1 1 5 5 8 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Valve) to control and adjust the flow rate of oxygen to any desired lever within the targe of ltrs/min. It will meet strict precision and durability standard. The flow meter body should be made up of brass chrome plated materials. The flow tube and the shroud components should be made up of clear, impact resistant polycarbonate. The humidifier bottle should be unbreakable, autoclavable at 134 degree centrigrade with a nut on the cap fitted on top inlet and side outlet tubes of 200-250ml ward vacuum unit with suction regulator.  Ward VacuumUnit With Pressure Regulator  Ward VacuumUnit With Pressure Regulator  Ward vacuum unit with suction regulator, vacuum gauge, on/off switch, h.p suction tube with inp,fluid control trap (to safeguard from overflowing) and 600 ml jarwith cover made up of imbreakable and re-usable polycarbonate material and autoclavable at 134 degree centrigrade.  IZMM BSI KITE MARKED CERTIFIED COPPER PIPES  12 mm dia X 0.7mm. thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Linsupply and distribution as per HTM 02-01 and BS EN 13348: 2016  ISMM BSI KITE MARK CERTIFIED COPPER PIPES  15 mm dia X 0.9mm. thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Linsupply and distribution as per HTM 02-01 and BS EN 13348: 2016  22MM BSI KITE MARK CERTIFIED COPPER PIPES  22 mm dia X 0.12mm. thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Linsupply and distribution as per HTM 02-01 and BS EN 13348: 2016	25 pcs.  80 mtr.  120 mtr.
5 1 t t t t 1	Valve) to control and adjust the flow rate of oxygen to any desired level within the tange of ltrs/min. It will meet strict precision and durability standard. The flow meter body should be made up of brass chrome plated materials. The flow tube and the shroud components should be made up of clear, impact resistant polycarbonate. The humidifier bottle should be unbreakable, autoclavable at 134 degree centrigrade with a nut on the cap fitted on top inlet and side outlet tubes of 200-250ml ward vacuum unit with suction regulator.  Ward VacuumUnit With Pressure Regulator  Ward vacuum unit with suction regulator, vacuum gauge, on/off switch, h.p suction tube with inp,fluid control trap (to safeguard from overflowing) and 600 ml jarwith cover made up of imbreakable and re-usable polycarbonate material and autoclavable at 134 degree centrigrade.  12 mm dia X 0.7mm. thickness Copper pipes shall be solid drawn, tempered, seamless, chosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Linsupply and distribution as per HTM 02-01 and BS EN 13348: 2016  15 mm dia X 0.9mm. thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Linsupply and distribution as per HTM 02-01 and BS EN 13348: 2016  22 mm dia X 0 12mm. thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Linsupply and distribution as per HTM 02-01 and BS EN 13348: 2016	25 pcs.  80 mtr.  120 mtr.  120 mtr.
5 1 t t t t t t t t t t t t t t t t t t	Valve) to control and adjust the flow rate of oxygen to any desired level within the tange of ltrs/min. It will meet strict precision and durability standard. The flow meter body should be made up of brass chrome plated materials. The flow tube and the shroud components should be made up of clear, impact resistant polycarbonate. The humidifier bottle should be unbreakable, autoclavable at 134 degree centrigrade with a nut on the cap fitted on top inlet and side outlet tubes of 200-250ml ward vacuum unit with suction regulator.  Ward VacuumUnit With Pressure Regulator  Ward vacuum unit with suction regulator, vacuum gauge, on/off switch, h.p suction tube with inp,fluid control trap (to safeguard from overflowing) and 600 ml jarwith cover made up of imbreakable and re-usable polycarbonate material and autoclavable at 134 degree centrigrade.  12 mm dia X 0.7mm. thickness Copper pipes shall be solid drawn, tempered, seamless, chosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Linsupply and distribution as per HTM 02-01 and BS EN 13348: 2016  15 mm dia X 0.9mm. thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Linsupply and distribution as per HTM 02-01 and BS EN 13348: 2016  22 mm dia X 0 12mm. thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Linsupply and distribution as per HTM 02-01 and BS EN 13348: 2016	25 pcs.  80 mtr.  120 mtr.  120 mtr.  120 mtr.
5 1 t t t t t t t t t t t t t t t t t t	Valve) to control and adjust the flow rate of oxygen to any desired lever within the should be made ltrs/min. It will meet strict precision and durability standard. The flow meter body should be made up of brass chrome plated materials. The flow tube and the shroud components should be made up of clear, impact resistant polycarbonate. The humidifier bottle should be unbreakable, autoclavable at 134 degree centrigrade with a nut on the cap fitted on top inlet and side outlet tubes of 200-250ml ward vacuum unit with suction regulator, vacuum gauge, on/off switch, h.p suction tube with ip,fluid control trap (to safeguard from overflowing) and 600 ml jarwith cover made up of imbreakable and re-usable polycarbonate material and autoclavable at 134 degree centrigrade.  12 mm dra X 0 7mm, thickness Copper pipes shall be solid drawn, tempered, seamless, shosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusupply and distribution as per HTM 02-01 and BS EN 13348 : 2016  15 mm dra X 0.9mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusupply and distribution as per HTM 02-01 and BS EN 13348 : 2016  22 mm dra X 0 12mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusupply and distribution as per HTM 02-01 and BS EN 13348 : 2016  22 mm dra X 0 12mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusupply and distribution as per HTM 02-01 and BS EN 13348 : 2016	25 pcs.  80 mtr.  120 mtr.  120 mtr.  110t (as per requirement)
5 1 t t t t t t t t t t t t t t t t t t	Valve) to control and adjust the flow rate of oxygen to any desired lever within the should be made ltrs/min. It will meet strict precision and durability standard. The flow meter body should be made up of brass chrome plated materials. The flow tube and the shroud components should be made up of clear, impact resistant polycarbonate. The humidifier bottle should be unbreakable, autoclavable at 134 degree centrigrade with a nut on the cap fitted on top inlet and side outlet tubes of 200-250ml ward vacuum unit with suction regulator, vacuum gauge, on/off switch, h.p suction tube with ip,fluid control trap (to safeguard from overflowing) and 600 ml jarwith cover made up of imbreakable and re-usable polycarbonate material and autoclavable at 134 degree centrigrade.  12 mm dra X 0 7mm, thickness Copper pipes shall be solid drawn, tempered, seamless, shosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusupply and distribution as per HTM 02-01 and BS EN 13348 : 2016  15 mm dra X 0.9mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusupply and distribution as per HTM 02-01 and BS EN 13348 : 2016  22 mm dra X 0 12mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusupply and distribution as per HTM 02-01 and BS EN 13348 : 2016  22 mm dra X 0 12mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusupply and distribution as per HTM 02-01 and BS EN 13348 : 2016	25 pcs.  80 mtr.  120 mtr.  120 mtr.  1 lot (as per requirement) 1 lot (as per
5 1 t t t t t t t t t t t t t t t t t t	Valve) to control and adjust the flow rate of oxygen to any desired lever within the tange ltrs/min. It will meet strict precision and durability standard. The flow meter body should be made up of brass chrome plated materials. The flow tube and the shroud components should be made up of clear, impact resistant polycarbonate. The humidifier bottle should be unbreakable, autoclavable at 134 degree centrigrade with a nut on the cap fitted on top inlet and side outlet tubes of 200-250ml ward vacuum unit with suction regulator, vacuum gauge, on/off switch, h.p. suction tube with ap,fluid control trap (to safeguard from overflowing) and 600 ml jarwith cover made up of imbreakable and re-usable polycarbonate material and autoclavable at 134 degree centrigrade.  12 mm dia X 0.7mm. thickness Copper pipes shall be solid drawn, tempered, seamless, shosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusupply and distribution as per HTM 02-01 and BS EN 13348 : 2016  15 mm dia X 0.9mm. thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusupply and distribution as per HTM 02-01 and BS EN 13348 : 2016  15 mm dia X 0.9mm. thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusupply and distribution as per HTM 02-01 and BS EN 13348 : 2016  16 mm dia X 0.12mm. thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusupply and distribution as per HTM 02-01 and BS EN 13348 : 2016  17 mm dia X 0.12mm. thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusupply and distribution as per HTM 02-01 and BS EN 13348 : 2016	25 pcs.  80 mtr.  120 mtr.  120 mtr.  11ot (as per requirement) 1 lot (as per requirement)
5 1 tt t	Valve) to control and adjust the flow rate of oxygen to any desired lever within the tange ltrs/min. It will meet strict precision and durability standard. The flow meter body should be made up of brass chrome plated materials. The flow tube and the shroud components should be made up of clear, impact resistant polycarbonate. The humidifier bottle should be unbreakable, autoclavable at 134 degree centrigrade with a nut on the cap fitted on top inlet and side outlet tubes of 200-250ml ward vacuum unit with suction regulator, vacuum gauge, on/off switch, h.p. suction tube with ap,fluid control trap (to safeguard from overflowing) and 600 ml jarwith cover made up of imbreakable and re-usable polycarbonate material and autoclavable at 134 degree centrigrade.  12 mm dia X 0.7mm. thickness Copper pipes shall be solid drawn, tempered, seamless, shosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusupply and distribution as per HTM 02-01 and BS EN 13348 : 2016  15 mm dia X 0.9mm. thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusupply and distribution as per HTM 02-01 and BS EN 13348 : 2016  15 mm dia X 0.9mm. thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusupply and distribution as per HTM 02-01 and BS EN 13348 : 2016  16 mm dia X 0.12mm. thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusupply and distribution as per HTM 02-01 and BS EN 13348 : 2016  17 mm dia X 0.12mm. thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liusupply and distribution as per HTM 02-01 and BS EN 13348 : 2016	25 pcs.  80 mtr.  120 mtr.  120 mtr.  11ot (as per requirement) 1 lot (as per requirement)
5	Valve) to control and adjust the flow rate of oxygen to any desired ever winn the tange ltrs/min. It will meet strict precision and durability standard. The flow meter body should be made up of brass chrome plated materials. The flow tube and the shroud components should be made up of clear, impact resistant polycarbonate. The humidifier bottle should be unbreakable, autoclavable at 134 degree centrigrade with a nut on the cap fitted on top inlet and side outlet tubes of 200-250ml ward vacuum unit with suction regulator. Vacuum gauge, on/off switch, h.p suction tube with up,fluid control trap (to safeguard from overflowing) and 600 ml jarwith cover made up of inbreakable and re-usable polycarbonate material and autoclavable at 134 degree centrigrade.  12 mm dia N 0.7mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Lisupply and distribution as per HTM 02-01 and BS EN 13348: 2016  15 mm dia N 0.9mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Lisupply and distribution as per HTM 02-01 and BS EN 13348: 2016  22 mm dia N 0.12mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Lisupply and distribution as per HTM 02-01 and BS EN 13348: 2016  22 mm dia N 0.12mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Lisupply and distribution as per HTM 02-01 and BS EN 13348: 2016  22 mm dia N 0.5 mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Lisupply and distribution as per HTM 02-01 and BS EN 13348: 2016  Copper Fittings as per HTM 02-01 and BS EN 13348: 2016	25 pcs.  80 mtr.  120 mtr.  120 mtr.  11ot (as per requirement) 1 lot (as per requirement)
5   t   t   t   t   t   t   t   t   t	Valve) to control and adjust the flow rate of oxygen to any desired lever within the tanger litrs/min. It will meet strict precision and durability standard. The flow meter body should be made up of brass chrome plated materials. The flow tube and the shroud components should be made up of clear, impact resistant polycarbonate. The humidifier bottle should be unbreakable, autoclavable at 134 degree centrigrade with a nut on the cap fitted on top inlet and side outlet tubes of 200-250ml ward vacuum unit with suction regulator, vacuum gauge, on/off switch, h.p suction tube with inpuluid control trap (to safeguard from overflowing) and 600 ml jarwith cover made up of imbreakable and re-usable polycarbonate material and autoclavable at 134 degree centrigrade.  12 mm dia X 0.7mm. thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liston and distribution as per HTM 02-01 and BS EN 13348: 2016  15 mm dia X 0.9mm. thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liston and dexibility and distribution as per HTM 02-01 and BS EN 13348: 2016  15 mm dia X 0.9mm. thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liston BSI KITE MARK CERTIFIED COPPER PIPES  22 mm dia X 0.12mm. thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liston and ASI CERTIFIED COPPER PIPES  22 mm dia X 0.12mm. thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Liston BSI KITE MARK CERTIFIED COPPER PIPES  22 mm dia X 0.12mm. thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, n	25 pcs.  80 mtr.  120 mtr.  120 mtr.  11ot (as per requirement) 1 lot (as per requirement)
5   t   t   t   t   t   t   t   t   t	Valve) to control and adjust the flow rate of oxygen to any desired ever winn the tange ltrs/min. It will meet strict precision and durability standard. The flow meter body should be made up of brass chrome plated materials. The flow tube and the shroud components should be made up of clear, impact resistant polycarbonate. The humidifier bottle should be unbreakable, autoclavable at 134 degree centrigrade with a nut on the cap fitted on top inlet and side outlet tubes of 200-250ml ward vacuum unit with suction regulator. Vacuum gauge, on/off switch, h.p suction tube with up,fluid control trap (to safeguard from overflowing) and 600 ml jarwith cover made up of inbreakable and re-usable polycarbonate material and autoclavable at 134 degree centrigrade.  12 mm dia N 0.7mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Lisupply and distribution as per HTM 02-01 and BS EN 13348: 2016  15 mm dia N 0.9mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Lisupply and distribution as per HTM 02-01 and BS EN 13348: 2016  22 mm dia N 0.12mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Lisupply and distribution as per HTM 02-01 and BS EN 13348: 2016  22 mm dia N 0.12mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Lisupply and distribution as per HTM 02-01 and BS EN 13348: 2016  22 mm dia N 0.5 mm, thickness Copper pipes shall be solid drawn, tempered, seamless, phosphorous deoxidized, half hard tempered, non-arsenic and degreased for Medical Gas Pipe Lisupply and distribution as per HTM 02-01 and BS EN 13348: 2016  Copper Fittings as per HTM 02-01 and BS EN 13348: 2016	25 pcs.  80 mtr.  120 mtr.  120 mtr.  11ot (as per requirement) 1 lot (as per requirement)