नेपाल सरकार

स्वास्थ्य मन्त्रालय

भरतपुर अस्पताल, चितवन

दरभाउपत्र सम्बन्धी सूचना

(दोश्रो पटक प्रकाशित मिति २०७४।०८।२९)

यस अस्पताल लाई चालु आ.व. ०७४।०७५ सम्मको लागि तपशिलमा उल्लेखित सामानहरुको प्रति ईकाई दररेट माग गरी खरिद गर्नुपर्ने भएकोले मु.अ.क.मा दर्ता भएका इच्छुक ईजाजत प्राप्त सप्लायर्स, विकेता तथा व्यवसायीहरुले,रितपुर्वकको दरभाउपत्र तपशिलको शर्तहरु पालना हुने गरी यस अस्पतालको Website- www.bharatpurhospital.gov.np को eProcurement System मार्फत पेश गर्नु हुन यो सूचना प्रकाशित गरिएको छ ।

शर्तहरु:

१. आ.व. २०७३/०७४ का लागि नविकरण भएको इजाजतपत्रदर्ता र मु.अ.कर दर्ता सहितको स्थायी लेखा नं. प्रमाण पत्रको प्रमाणित प्रतिलिपी संलग्न राखिनिवेदनदिई यस अस्पतालको Website http//www.bharatpurhospital.gov.npकोeProcurement System मा गई TOR download गर्न सकिनेछ । TOR खरीद गर्न सूचना प्रकाशित भएको मितिले तपशिल अनुसारको रकम, उल्लेखित मिति र समयमा यस अस्पतालको रा.बा.बैंक भरतपुरमा रहेको चल्तीखाता नं.१३१०००० ९६७०१ मा जम्मा गरी खरीद गर्न सकिनेछ ।

२. दरभाउपत्र पेश गर्दा जमानत वापत तपशिलमा उल्लेखित रकम को.ले.नि.का.चितवनको रा.बा.बैंक, भरतपुर शाखामा रहेको ख ३ धरौटी १३१०२०३००००० खातामा रकमजम्मा गरेको सक्कल बैंक भौचर वा कम्तिमा १२० दिन म्याद भएको यस अस्पतालको नाममा जारी भएको विड वण्ड पेश गर्नुपर्नेछ ।

३. खरीद भएको दरभाउपत्र तपशिलमा उल्लेखित मिति र समयमा यस अस्पतालको Website http//www.bharatpurhospital.gov.npको eProcurement System मा गई बैंक भौचर, विडवन्ड, BOQ समेतका कागजात Scan गरी Upload गरी सक्नुपर्नेछ । Upload भएका दरभाउपत्रहरु तपशिलमा उल्लेखित मिति र समयमा यस अस्पतालमा दरभाउपत्रदाता वा निजको प्रतिनिधिको रोहवरमा खोलिने छ । प्रतिनिधि उपस्थित नभएपनि दरभाउपत्र खोल्न वाधा पर्ने छैन । दरभाउपत्र खरीदगर्ने वा दर्ता गर्ने अन्तिम दिन विदा पर्न गएमा सोको भोलिपल्ट क्रमश उक्त कार्य हुनेछ ।

४. दरभाउपत्र दाताले कवोल गरेको प्रत्येक आइटमको दररेटलाई (मु.अ.कर बाहेक) अंक र अक्षरमा स्पष्टसँग उल्लेख गर्नुपर्नेछ । अंक र अक्षरमा उल्लेखित दररेटमा भिन्नता भएमा अक्षरलाई मान्यतादिइने छ ।

५. दरभाउपत्र दाताले कवोल गरेको दरभाउपत्रमा तोकिएको परिमाण मापदण्ड अनुसार र समयमा सामान सप्लाई गर्न नसकेमा बजारबाट सिधै खरीद गरिनेछ । त्यसरी खरीद गर्दा दरभाउपत्रमा उल्लेख गरिएको मुल्यभन्दा बढी पर्न गएमा दरभाउपत्र दाताको धरौटी रकम वा भुक्तानी गर्न बाकि रकमबाट असुलउपर गरिनेछ ।

६) सप्लाई / निर्माण / विस्तार गरिने सम्पूर्ण सामानहरु स्पेसिफिकेशन वमोजिमको उच्च गुणस्तरको हुनपर्नेछ ।

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७) दरभाउपत्रमा उल्लेखित सामानहरु यस चालु आ.व. भित्र पटक पटक वा एकमुष्ट रुपमा खरीद गरिने छ । खरीद गरिने सामान घटी वढी हुन सक्नेछ ।

८) कुनै दरभाउपत्र स्वीकृत गर्ने वा नगर्ने वा आशिक रुपमा स्वीकृत गर्ने सम्पूर्ण अधिकार यस अस्पतालमा सुरक्षीत रहनेछ ।

९) सप्लाई / निर्माण / विस्तार गरिएका समानहरु निरिक्षण एव परिक्षण गर्दा सम्झौतामा उल्लेखित गुणस्तर वमोजिमका नभए सम्झौता रद्द गरिनेछ ।

१०) संझौता गरी सामान सप्लाई नगर्ने फर्मलाई नियमानुसार कालोसूचीमा दर्ताको लागि सम्वन्धित निकायमा लेखि पठाइनेछ ।

११) दरभाउपत्र पेश गर्दा अस्वभाविक घटी/बढी दररेट कबुल गरेको पाईएमा आईटम वाईज घटी कबुल गर्ने ठेकेदारको दररेट स्विकृत गरिनेछ ।

१४) थप जानकारीको लागि यस अस्पतालको जिन्सी शाखामा सम्पर्क राख्न सकिनेछ ।

१५) शर्त रहेको,रीत नपुगेको तथा म्याद नाघी आएको दरभाउपत्र उपर कुनै कारवाही हनेछैन । एक फर्म वा सस्थाको नाममा खरिद गरिएको वोलपत्र अर्को फर्मको नामवाट जम्मा गर्न पाईने छैन ।

१६) दरभाउपत्रदाताले आफू कालोसूचीमा नपरेको भनी स्वयं घोषणा पेश गर्नुपर्नेछ ।

१७) यसमा नपरेका अन्य कुराहरु सार्वजनिक खरीद ऐन २०६३ र सार्वजनिक खरीद नियमावली २०६४ अनुसार हुनेछ ।

सि.नं	ठे.नं.	विवरण	धरौटी रकम	दरभाउ दस्तुर	दरभाउपत्र खरिद गर्ने अन्तिम मिति	दरभाउ दाखिला गर्ने अन्तिम मिति	दरभाउपत्र खोल्ने मिति	कैफियत
१	२६,०७४।०७५	अक्सिजन ग्याँस पाईपलाईन विस्तार कार्य ।	५५०००।-	१०००।-	७ औं दिनको ५।०० वजे	८ औं दिनको १२।०० वजे	८ औं दिनको २।०० वजे	पुन टेन्डर

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Bharatpur Hospital
Bharatpur,Chitwan

Technical Specification of Copper Pipes, Fittings and Brackets

S.N	Hospital Purposed Tender Specification	Bidder's Purposed Specification	Deviation if any	Page no/ catalogue no.
1.	**Manufacturer**			
2.	**Country of Origin**			
3.	**Made In**			
4.	**Brand/ Type**			
5.	**Model No.**			
6.	The piped distribution system shall use copper pipes manufactured from phosphorous de-oxidised non-arsenical copper to BS EN 1412:2016 grade, manufactured to metric outside diameters and having mechanical properties in accordance with BS EN 13348:2008- R250 (half hard) for sizes up to 54mm.			
7.	Pipes shall be degreased suitable for oxygen use and cleanliness is to be maintained by filling each pipe with dry, clean, oil and oxygen free nitrogen, fitting suitable end caps and protectively wrapping.			
8.	All pipe work materials shall be manufactured by BS EN ISO 9001:2008 registered companies.			
9.	Degreasing of pipe shall be such that there is less than 20mg/m2 (0.002mg/cm2) of hydrocarbons on the degreased surface when tested by the method specified in EN 723			
10.	For sizes up to 54mm, copper pipes shall be permanently and durably marked at regular			

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	intervals along its length with the following information: a) The harmonized standard number EN 13348; b) Lyods/BSI kitemark/statement/equivalent approval; b) Nominal dimensions, diameter x wall thickness; c) Temper designation to EN 1173 d) Manufacturer's identification; e) Date of production: year and month f) Confirmation of degreasing for oxygen			
11.	Medical Gas Pipeline copper fittings shall be end feed type, manufactured from the same grade of copper as the pipes and be in accordance with the requirements of BS EN 1254-1:1998 Part 1.			
12.	Fittings shall be degreased suitable for oxygen use and be supplied individually sealed in protective polythene bags.			
13.	The degreasing of fittings shall be such that there is less than 100mg/m2 (0.01mg/cm2) of hydrocarbons on the degreased surface when tested by the afore mentioned method.			
14.	All pipeline components shall also be free of any visible liquid detergent washing or solvent.			
15.	Copper to copper joints shall be made on site using a silver-copper-phosphorous brazing alloy type CP1 or CP4 to BS 1845 using a dry, clean, oil and oxygen free nitrogen inert gas shield with no flux.			
16.	Copper to brass or gunmetal joints shall not be made on-site. Copper to brass or gunmetal joints made off-site shall utilize silver brazing material type AG13 to AG18 to BS 1845 with a flux.			

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17.	Such shall joints be subsequently cleaned and degreased prior to use.			
18.	Expanded joints shall only be used for straight pipe joints and shall not be used for pipes sizes greater than 28mm outside diameter. Expansion joints shall only be made using apparatus specifically designed for the purpose.			
19.	Pipelines shall be supported at the intervals specified in HTM 2022/02-01 using a suitable metallic, non-ferrous material or a ferrous material suitably treated to prevent corrosion and electrolytic action.			
20.	Plastic supports shall only be used for support of drops to terminal units. Maximum intervals between pipe supports as specified in HTM 2022/02-01.			
TERMS & CONDITIONS:				
21	Must submit both valid **ISO** and **CE** certificate.			
22	The supplier must submit the valid authorization Letter from Principle company.			
23.	The supplier must submit the original broacher or e-copy			
24.	Should have 2 years complete parts and service warranty and another 1 year service warranty.			
25.	The principle company should be responsible of fulfilling warranty / guarantee, in case local authorized agent is not able to achieve the shame. The commitment letter of the same should be attached.			
26.	Onsite repair and maintenance training and operational training to the Hospitals biomedical technicians and users.			
27.	One copy of service and operating manuals in English should be provided at the time of installation.			

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Technical Specification Medical Gas Terminals / Outlets

S.N	Hospital Purposed Tender Specification	Bidder's Purposed Specification	Deviations if any	Page no/ catalogue no
1	**Manufacturer**			
2	**Country of Origin**			
3	**Made In**			
4	**Brand/ Type**			
5	**Model No.**			
6.	It shall fully meets and complied with NHS Health Technical memorandum (HTM02-01).			
7.	Terminal units shall be capable of single-handed insertion and removal of the medical gas probe.			
8.	The anaesthetic gas scavenging (AGS) terminal unit shall conform to BS 6834: 1998.			
9.	The wall mounted first fix assembly shall consist of brass pipeline termination block with copper stub pipe secured between a back plate and a gas specific plate to allow limited radial movement of the copper stub to align with the pipeline.			
10.	The gas specific plate shall be fixed to the backplate by means of a tamperproof clip-fit mechanism.			
11.	The first fix shall incorporate a maintenance valve (except for vacuum) and a test plug. The test plug shall provide an effective blank to enable carcass pressure testing.			
12.	The second fix plastic components shall be manufactured with the pin index permanently moulded into the gas specific socket. The socket assembly shall retain a capsule assembly, containing the check valve and probe 'O' ring seals			
13.	The replaceable capsule assembly shall enable all working parts subject to wear through usage to be replaced as a factory tested assembly, thereby reducing maintenance time.			

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14.	Each termination block assembly shall be pressure tested by the pressure decay method.			
15.	Accessible parts of gas outlets like 2nf Fix, fascia cover and plastic box shall include a silver antimicrobial additive for inherent antimicrobial protection.			
16.	All screws, probe roller pins, locking springs and the anti-rotation pin shall be manufactured from stainless steel.			
17.	The second fix assembly shall be incorporate three injection moulded parts in fire-retardant nylon.			
18.	Terminal units Copper stubs pipes shall be manufactured from phosphorous deoxidised non-arsenical copper to BS EN 1412:1996 grade CW024A, manufactured to metric outside diameters in accordance with BS EN 13348:2001 R250 (half hard).			
19.	Terminal units for Oxygen, N2O, Air 4 Bar, Surgical Air & Vacuum shall incorporate a 12mm O/D copper pipe except anaesthetic gas scavenging shall incorporate a 15mm O/D copper stub pipe.			
20.	Terminal units shall be gas specific and accept the correct medical gas probe.			
21.	Gas specific components shall be pin-indexed to ensure that a correct gas specific assembly is achieved so that in normal course of dismantling for repair or maintenance, parts from other gases cannot inadvertently be used.			
22.	Wall mounted terminal units shall incorporate an anti-rotation pin to engage with connected downstream medical equipment ensuring correct orientation.			
TERMS & CONDITIONS:				
23.	Must submit both valid **ISO** and **CE** certificate.			
24.	The supplier must submit the original brochure or e-copy			
25.	The supplier must submit the valid authorization letter.			
26.	Should have 2 years complete parts and service warranty and another 1 year service warranty.			

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27.	The principle company should be responsible of fulfilling warranty / guarantee, in case local authorized agent is not able to achieve the shame. The commitment letter of the same should be attached.			
28.	Onsite repair and maintenance training and operational training to the users and technicians.			
29.	One copy of service and operating manuals in English should be provided at the time of installation.			

Technical Specification of Medical Gas Outlet Adaptor

S.N	Hospital Purposed Tender Specification	Bidder's Purposed Specification	Deviation If any	Page no/ catalogue no:
1.	**Manufacturer**			
2.	**Country of Origin**			
3.	**Made In**			
4.	**Brand/ Type**			
5.	**Model No.**			
	The gas adapters used to connect medical gas devices to medical gas terminals should be made of Stainless Steel 304 and should be suitable for British Standard Gas Outlet only.			
6.	It should be color coded according to ISO32 color codes. Gas name should be engraved on the adaptors.			
7.	The adaptors should completely comply with BS EN737-1, HTM2002 and C11 standard regulations.			
	TERMS & CONDITIONS:			
8.	ISO and CE certificates must be valid.			
9.	The supplier must submit the original brochure or e-copy			
10.	Should have 2 years complete parts and service warranty and another 1 year			

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S.N	Hospital Purposed Tender Specification	Bidder's Purposed Specification	Deviation if any	Page No:/ catalogue no:
1.	**Manufacturer**			

	service warranty.			
11.	The principle company should be responsible of fulfilling warranty / guarantee, in case local authorized agent is not able to achieve the shame. The commitment letter of the same should be attached.			
12.	Onsite repair and maintenance training and operational training to the users and technicians.			
13.	Hard and soft copy of service and operating manuals in English should be provided at the time of installation.			

Technical Specification of Medical Gas Alarm System

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2.	**Country of Origin**			
3.	**Made In**			
4.	**Brand/ Type**			
5.	**Model No.**			
6.	Area Pressure Alarm Panel should be an audio-visual, closed circuit, self monitoring type.			
7.	The alarm should be designed to monitor the line pressure in oxygen, nitrous oxide, air, nitrogen, carbon dioxide, vacuum and waste gas evacuation piping systems.			
8.	The area alarm should be designed for recessed wall mounting and should accommodate a maximum of six gas services.			
9.	The area alarm should be self contained, consisting of a rough- in box and finishing panel assembly.			
10.	The rough-in box should be fabricated of painted plate and should contain type K copper inlet tube extensions for each gas service			
11.	The area alarm should contain a power supply module for connection to emergency electrical system.			
12.	All low voltage circuitry should be 24 V or less, and should be pre-wired			
13.	All gas and electrical connections between the rough- in box and finishing panel assembly should be plug- in quick connect types.			
14.	The finishing panel assembly of injection moulded structural foam should be completely factory assembled, consisting of pre-adjusted compressed medical gas/vacuum pressure switches which should be readily accessible for field re-adjustment, if necessary, through removable access panels in the front of the panel.			
15.	Line pressure gauge indicating range should be : O2, N2O, Air,and CO2, (0-100psig); N2, (0-300psig); Vac, Evac, and WAGD, (0-30inHg).			

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16.	An audible warning device and an integrated circuit board Should be included in the finishing panel assembly.			
17.	The integrated circuit board should include a membrane switch to silence the audible alarm; a membrane switch for periodically testing the unit for proper operation of the audible and visual functions, and integrity of the low voltage solid state circuitry; a green LED, labeled normal, to indicate the unit should electrically energized and all system pressures should be normal; and a non-cancelable red LED warning signal for each system should the line pressure vary ±20% (default) from normal.			
18.	If an abnormal line pressure condition is sensed in any system the green LED should goes out and the red LED should glows until the system pressure returns to normal. The visual signal should automatically get canceled when the fault it corrected. Green LED should glow when all pressure return to normal.			
19.	The area alarm system is designed to meet national Fire Protection Association (NFPA-99) guidelines.			
	TERMS & CONDITIONS:			
20.	ISO and CE certificates must be valid.			
21.	The supplier must submit the original brochure or e-copy			
22.	The supplier must submit the authorization letter.			
23.	Should have 2 years complete parts and service warranty and another 1 year service warranty.			
24.	The principle company should be responsible of fulfilling warranty / guarantee, in case local authorized agent is not able to achieve the shame. The commitment letter of the same should be attached.			
25.	Onsite repair and maintenance training and operational training to the users and			

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	technicians.			
26.	Hard and soft copy of service and operating manuals in English should be provided at the time of installation.			

Technical Specification of Zone Valve with Valve Box Assembly

S.N	Hospital Purposed Tender Specification	Bidder's Purposed Specification	Deviation if any	Page no:/ catalogue no:
1.	**Manufacturer**			
2.	**Country of Origin**			
3.	**Made In**			
4.	**Brand/ Type**			
5.	**Model No.**			
6.	Valves should be full port seal, ball-type with three piece stainless body and a stainless ball.			
7.	Valves should be designed for a maximum working pressure of 600 psig or vacuum service to 30".			
8.	Valve seals shall be glass reinforced Teflon materials.			
9.	All valve material shall be compatible with oxygen, nitrous oxide, medical air, carbon dioxide, nitrogen and vacuum/evacuation.			
10.	A quarter turn of the handle shall be required to operate the valve from OPEN to CLOSED position.			
11.	The valve shall be securely attached to the box and should be provided with K type copper tube extensions for making connection to system piping outside the box.			
12.	The valves shall be serviceable in the line, supplied clean and should be prepared for oxygen service.			
13.	All zone valve assembles shall include a 1/8" NPT pipe plug as a provision for connection of a gauge.			
14.	The gauge port shall be located on the terminal outlet side of the valve to register pipeline pressure or vacuum. The gauge shall be visible through the door of zone valve box.			

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15.	The zone valve with box assembly shall meet all requirements of NFPA99.			
16.	Zone Box Design : Zone valve with box assembly shall be constructed of steel with white epoxy finish the zone valve box assembly shall have a sliding; opaque door will pull ring and clear gauge window.			
17.	In an emergency, the door shall SNAP-OUT by pulling the pull ring forward without exposing sharp edges.			
18.	The zone valve box shall be provided with an anodized aluminum trim the zone valve box assembly shall be supplied with color-coded gas identification labels.			
19.	The assembly door shall have a label that reads: "CAUTION MEDICAL GAS SHUT-OFF ZONE FOR EMERGENCY CONDITION"			
	TERMS & CONDITIONS:			
20.	ISO and CE certificates must be valid.			
22.	The supplier must submit the original brochure or e-copy			
23.	Should have 2 years complete parts and service warranty and another 1 year service warranty.			
24.	The principle company should be responsible of fulfilling warranty / guarantee, in case local authorized agent is not able to achieve the shame. The commitment letter of the same should be attached.			
25.	Onsite repair and maintenance training and operational training to the users and technicians.			
26.	Hard and soft copy of service and operating manuals in English should be provided at the time of installation.			

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Technical Specification of Line Shut Off Valve

S.N	Hospital Purposed Tender Specification	Bidder's Purposed Specification	Deviation if any	Page no:/ catalogue no:
1.	**Manufacturer**			
2.	**Country of Origin**			
3.	**Made In**			
4.	**Brand/ Type**			
5.	**Model No.**			
6.	Medical gas line ball valves shall be provided as a means of isolation on medical gas pipelines at positions specified in the medical gas pipeline system design.			
7.	Line ball valves assemblies shall comply with NFPA-99 requirements. Valves shall operate from the fully open to the fully closed position by manual operation of a lever through 90°.			
8.	Valve nominal bores shall be equal to the nominal pipe work size.			
9.	All line ball valves shall be cleaned for oxygen service. Smaller type Valve assemblies (15 to 54mm inclusive) shall have flat-face connectors with 'O' ring seal.			
10.	PTFE tape or any other thread sealing media is not acceptable.			
11.	Each Medical gas line ball valve assembly shall terminate in copper stub pipes to enable brazing direct into the distribution system using the flux less brazing technique.			
12.	Valves assemblies shall incorporate a sliding lock mechanism on the handle, which can be locked in either the open or closed position using a standard padlock with a 6mm (1/4") diameter shackle.			

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13.	Medical gas line ball valve assemblies shall be constructed in a two-piece full-bore design with brass body, Teflon® ball seals, stem packing seal, stem 'O' ring seal and a hard-chrome plated brass ball.			
14.	Vales shall be designed to have a tight shut-off and blow out proof stem for protection against pressure surges.			
15.	Copper stub pipes shall be manufactured from medical grade copper pipe to BS EN 13348:2008.			
16.	Copper stub pipes shall be of sufficient length to enable brazing directly into the distribution system without the need for disassembly on site.			
17.	All ball valve assemblies shall be pressure tested for valve tightness and leakage prior to packing and shipping			
18.	The zone valve box shall be provided with an anodized aluminum trim the zone valve box assembly shall be supplied with color-coded gas identification labels.			
19.	The assembly door shall have a label that reads: "CAUTION MEDICAL GAS SHUT-OFF ZONE FOR EMERGENCY CONDITION"			
	TERMS & CONDITIONS:			
20.	ISO and CE certificates must be valid.			
21.	The supplier must submit the original brochure or e-copy			
22.	The supplier must submit the authorization letter.			
23.	The supplier must submit valid authorization letter.			
24.	Should have 2 years complete parts and service warranty and another 1 year service warranty.			
25.	The principle company should be responsible			

Medical Superintendent

	of fulfilling warranty / guarantee, in case local authorized agent is not able to achieve the shame. The commitment letter of the same should be attached.			
26.	Onsite repair and maintenance training and operational training to the users and technicians.			
27.	Hard and soft copy of service and operating manuals in English should be provided at the time of installation.			

Medical Superintendent

Bharatpur, Chitwan

BOQ of Extension of Medical Gas Pipeline (MGP) / Oxygen Pipeline (Tender No. 26, 074/075)

S.N.	MGPS Item	Size	Quantity	Unit	Per Rate	Total Amount Figure	Total Amount in words	Remarks
1	Copper pipe with copper fitting and Brackets	15 mm	300	Meter				
		22 mm	300	Meter				
		28 mm	40	Meter				
		42 mm	40	Meter				
2	British standards terminals/ Outlets	Oxygen	60	pc				
		Air	10	pc				
		Vacuum	25	pc				
3	Area Gas alarm System	2 Gas	2	pc				
4	Zone Valve with valve Box	2 Gas	3	pc				
		3 Gas	3	pc				
5	Line shut off valve	15 mm	10	pc				
		22 mm	10	pc				
		28 mm	5	pc				
		35 mm	5	pc				
6	Medical Gas Adaptor	British Standard	10	pc				
Total Amount(Without Vat)								

Medical Superintendent

Name of Bidder:	
Signature:	
Date:	
Office Seal:	

Medical Superintendent