

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF HEALTH AND MASS MEDIA

IMPROVEMENT OF MEDICAL GAS SYSTEM FOR WARDS
TEACHING HOSPITAL – PERADENIYA

CONTRACT NO THP/AD/10/2025

BIDDING DOCUMENT

Volume I

- Section 01 – Instructions to Bidders
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- Section 03 – Conditions of Contract

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Invitation for Bid

- Section 04 – Form of Bid and Qualification Information
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Volume III – (For the use as “Copy” of document)

Invitation for Bid

- Section 04 – Form of Bid and Qualification Information
- Section 07 – Bill of Quantities

CONSULTANT

CENTRAL ENGINEERING CONSULTANCY BUREAU
NO.415,
BAUDDHALOKA MAWATHA,
COLOMBO 07.

CLIENT

DIRECTOR,
TEACHING HOSPITAL
PERADENIYA.

AUGUST 2025

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INVITATION FOR BIDS

INVITATION FOR BIDS (IFB)
MINISTRY OF HEALTH AND MASS MEDIA
IMPROVEMENT OF MEDICAL GAS SYSTEM FOR WARDS

TEACHING HOSPITAL – PERADENIYA
CONTRACT NO THP/AD/10/2025

1. The Chairman, Regional Procurement Committee, Teaching Hospital, Peradeniya, on behalf of the Ministry of Health, “Suwasiripaya”, 385, Rev Baddegama Wimalawansa Thero Mawatha, Colombo 10, invites sealed bids from eligible and qualified bidders for the **“Improvement Of Medical Gas System For Wards – Teaching Hospital, Peradeniya”**, Contract No as described in document and estimated to basic cost of approximately Rs. **24 Million (Excluding VAT)**. **Construction period is 91 Days.**
 The Site is Located at the premises of Teaching Hospital, Peradeniya. Under this contract, Supply and Installation of Invertor type Air Conditioners with necessary ancillary works should be done. For more information, please refer Specifications and Bill of Quantities. Bidders are advised to visit the site prior to price the bid. Work should be carried out without disturbing the day to day activities of the hospital.
2. Bidding will be conducted through **National Competitive Bidding Procedure.**
3. To be eligible for contract award, the successful bidder shall not have been blacklisted and shall meet the following requirements.
 - Grade – EM 03 or above
 - Specialty –Medical Gas Systems (MG)
4. Qualification requirements to qualify for contract award include be eligible for contract award.
 - Average annual volume of construction work performed in the last five years shall be at least **Rs. 36 M.**
 - Experience in the construction of at least one contract of a similar nature and to a value of not less than **Rs.10 Million** to the Works over 10 years. **Attach as an annex.**
 - The minimum amount of liquid assets and/or credit facilities as exclusive of any advance payments which may be not less than **Rs. 24 M.** Credit facility should be addressed to Director, Teaching Hospital, Peradeniya and should be exclusive of this particular project.

Managerial / Technical

Engineer Assistant (Mechanical) (Full time) – NDT, NDES, HNDE (Mechanical) Engineering or equivalent qualification with minimum 5 years’ Experience.

5. Interested bidders may obtain further information from Director, Teaching Hospital, Peradeniya Tel. No. 081-2388001 and can inspect the Bidding Document at the address given below from **09.00 hrs to 15.00 hrs.**
6. A complete set of Bidding Documents in English language may be purchased by interested bidders on the submission of a written application to the **Director, Teaching Hospital, Peradeniya**, from 22nd August 2025 **until** 12th September 2025 from **09.00 hrs to 15.00 hrs.** Upon payment of a non-refundable fee of **Rs. 4,000.00** to the **Shroff, Teaching Hospital, Peradeniya**. The method of payment will be cash only.

7. Bids shall be delivered to the address below, on or before 12th September 2025 at 10.30 hrs late bids will be rejected. Bids will be opened soon after closing in the presence of the Bidders or Bidder's representatives who choose to attend.
8. Bid shall be valid up to 91 days from Bid closing dateto..... (date) or any extended period requested by client.
9. All bids shall be accompanied by a "Bid security" of **Rupees Three Hundred Six Thousand Only (Rs. 360,000.00)**. Bid Security shall be valid up to 119 days from Bid closing dateto (date)

The address referred to above is,

**Director,
Teaching Hospital,
Peradeniya.
Tel. No. 081-2388001**

Section - 4

**FORM OF BID AND QUALIFICATION
INFORMATION**

FORM OF BID

IMPROVEMENT OF MEDICAL GAS SYSTEM FOR WARDS

TEACHING HOSPITAL, PERADENIYA

CONTRACT NO THP/AD/10/2025

To: Director,
Teaching Hospital,
Peradeniya.

Gentleman,

1. Having examined the Standard Bidding Document - Procurement of Works (ICTAD/SBD/01-Second edition, January 2007 and Addendum 01 issued in October 2009 & Addendum 02 issued in February 2011) , Schedule for Conditions of Contract, Specifications, Drawings and Bill of Quantities and Addenda for the execution of the above-named Works, we the undersigned, offer to execute and complete such Works and remedy any defect therein in conformity with the aforesaid Conditions of Contract, Specifications, Drawings, Bill of Quantities and Addenda for the sum of Sri Lankan Rupees
(LKR Rs.) or such other sums as may be ascertained in accordance with the said Conditions.
2. We acknowledge that the Contract Data forms part of our Bid.
3. We undertake, if our Bid is accepted, to commence the Works as stipulated in the Contract Data, and to complete the whole of the Works comprised in the Contract within the time stated in the Contract Data.
4. We agree to abide by this Bid for the period of 91 days from the date fixed for receiving or any extended period and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
5. Unless and until a formal Agreement is prepared and executed this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.
6. We understand that you are not bound to accept the lowest of any Bid you may receive.

Dated this..... Day of 2024 in the capacity of.....Duly
authorized to sign bids for and on behalf of

.....
(IN BLOCK CAPITAL)

Signature :

Address :

Witness :
.....

QUALIFICATION INFORMATION*(To be completed and submitted by the Bidder with the Bid)*

ICTAD Registration	
Registration number	<i>(Attach copies of relevant pages from the registration book) (if available)</i>
Grade	EM 3 or above
Specialty	Medical Gas Systems (MG)
Expiry Date	
Blacklisted Contractors	
Have you been declared as a defaulted contractor by NPA or any other agency? (Yes/No)	
If yes provide details	
VAT Registration Number	
Legal status	<i>(Attach relevant status copies, as annex)</i>
Value of Construction works Performed in last 10 years	<i>(Attach certified copies of certificate of completion, etc. and other documents such as profit-loss and income expenditure statement)</i>
Year 2024	
Year 2023	
Year 2022	
Year 2021	
Year 2020	
Value of similar works completed in last 10 years (indicate only the three largest projects)	1. Value Rs..... Year 2. Value Rs..... Year 3. Value Rs..... Year (Attach certified copies of Letter of award & certificate of completion)

Credit Facility			
Qualification and experience of Key staff - Site & Head Office (Permanent, Contract Basis & Consultants)	Category, Experience and Qualifications	Required Nos.	Proposed by bidder (Name, experience and Qualifications)
	1.Engineer Assistant (Mechanical) (Full time) – NDT, NDES, HNDE (Mechanical) Engineering or equivalent qualification with minimum 5 years Experience.	01	(Attach certified copies of key staff attached to the project)

SECTION - 07

BILL OF QUANTITIES

PREAMBLE TO THE BILL OF QUANTITIES

1. The Conditions of Contract, the Specifications are to be read in conjunction with the Bill of Quantities.
2. The cost of complying with all conditions, obligations and liabilities described in the Conditions of Contract and the Specifications and the Bill of Quantities **including all overhead charges (excluding VAT), profit and Preliminaries** and carrying out the work as described shall be deemed to be spread over and included in the prices or sums stated by the Bidder in the Bill of Quantities. VAT should be separately added.
3. If the Bidder failed to price any Items in the Bill of Quantities then the cost of the work under such Item shall be held to be spread over and included in the prices given against other Items of work.
4. When trade names, brand and/or catalogue numbers are referred to, sole preference to any material or equipment is not intended. Any other material or equipment may be used, provided that the characteristics of type, quality, appearance, finish, method of construction and/or performance is equal to or superior to specify.
5. Whenever the method of measurement is not clear from documents available, the principles as given in the Sri Lanka Standard 573, 1999, Method of Measurement of Building Work shall be applicable.
6. All items of work shall comply exactly with the Contract unless otherwise approved by the Engineer and the rates and sums inserted in the Bill of Quantities shall be deemed to apply to the work as specified. If, for his convenience or reasons of availability, the Contractor proposes and the Engineer approves the use or provision of alternative items, materials or method of working, or equivalent or superior quality to those specified in the Contract, the rates and sums inserted in the Bill of Quantities shall not in any case be increased as a result.
7. The quantities set out in the Bill of Quantities are provisional and cover the approximate scope of the work which is anticipated to be performed by the Contractor. The actual quantities used for final measurement purposes will be determined by the Engineer by measurement of the work completed by the Contractor.
8. Where, for his own purposes or due to his own default, the Contractor carries out the Works in such a manner that the quantity of any Item of work in particular component to be measured for payment purposes differs from that directed by the Engineer, then payment shall be made according to the lesser of the actual quantity and that directed. An excess quantity in one part of the component shall not, however, be allowed to offset a deficit elsewhere in the same component for measurement purposes.
9. Where the determination for payment purposes of the quantity of any Item of work depends upon the measurement of existing features or ground levels and the like, then prior to carrying out any operations which might affect such measurement, the Contractor shall first take such levels and measurements as the Engineer may direct and, after the Engineer has had the opportunity to check the same, they shall be certified as agreed by both the Engineer and the Contractor.
10. In the event that the Contractor fails to observe the above procedure, the Engineer shall determine the quantity to be assumed for payment purposes using the best information available to him, and his decision in the matter shall be final.

11. Selected Bidder shall comply with the arrangement of work in the buildings and be ready to work part by part as required by the Authorities of Teaching Hospital, Peradeniya.
12. Rates in Bill of Quantities shall include all necessary material for supply, installation and testing & commissioning of Medical gas pipe lines, wall mounted units and necessary materials such as cables, PVC conduits, PVC sunk boxes etc and labour required to complete the electrical installation to good working order.
13. Except where specifically stated, all costs associated with provision of all holes, openings, chases and ducts in other builders' work required for installation and make them good , shall be included in the rates.
14. The Bills of Quantities should therefore, be priced to reflect all factors that would affect the bid and the progress of the works.
15. All electrical accessories should comply with relevant BS/IEC standards. For electrical accessories, manufacturer's guarantee should be produced if necessary.
16. The wiring installation shall comply with the requirements of IEE Wiring Regulations, latest edition.
17. Bidder should pay special attention to the work to be carried out, causing minimum disturbance or hindrance to the normal functions and activities of the users of the Teaching Hospital, Peradeniya.
18. Screens should be provided to prevent dust escaping from working areas.
19. Metric units are used throughout the Bill of Quantities for measurement purposes unless otherwise indicated. Abbreviations used in the Contract are as follows:-

mm	-	Millimeter
m	-	Linear meter
kg	-	Kilogram
m ²	-	Square meter
m ³	-	Cubic meter
nr	-	Number
Rs.	-	Sri Lankan Rupees
Cts.	-	Cents
P. S.	-	Provisional sum
L. S.	-	Lump Sum

**IMPROVEMENT OF MEDICAL GAS SYSTEM FOR WARDS
TEACHING HOSPITAL - PERADENIYA**

ENGINEER'S ESTIMATE

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
				Rs. Cts.	Rs. Cts.
	<u>MECHANICAL WORKS</u>				
	<i>The manufacturer of the equipment shall have at least ten (10) years experience in the design and manufacture of same type of equipments</i>	Note			
	<i>The make of equipments offered shall have satisfactory proven service record in Sri Lanka at least for last five (5) years</i>	Note			
	<i>Rate shall for all cost of supply including CIF, CID, PAL, clearing charges, transport charges, erection, factory testing, site testing, commissioning as per specification and drawings and profits etc.</i>	Note			
	<i>Rate shall for cost of providing security bonds, guaranties, insurance of personnel, property, material against accidents, damage, trespass or theft.</i>	Note			
	<i>Rate shall for the cost of all temporary works such as scaffolding etc. associated civil and electrical works related to the installation of all mechanical systems such as drilling of suitable holes in walls, breaking of any parts of walls and finishing works of the same such as plastering, painting, etc. electrical power / control wiring, services connections, etc.</i>	Note			
	MEDICAL GAS SYSTEM				
	The products and work shall comply with the Health Technical Memorandum 2022 / 02-01 Part A and Part B and British Standards for Medical Gas System.				
	<u>Ward No 1</u>				
	Supply and installation Wall mounted Terminal units				
1	Oxygen (O2) 4 bar	22	nr	.....	.....
2	Medical Vacuum(MVAC)	5	nr	.....	.....
	PVC Bed Head trunking				
3	Supply and installation of PVC minimum (160 x 50 mm) two compartment Bed Head Trunkings having terminal units and Socket outlets.	20	m	.....	.....
4	Supply and installation of PVC (170 * 50 mm) Vertical trunking for medical gas pipelines.	15	m	.....	.....
	Piping				
	Pipes used for installations shall be phosphorus de-oxidised, non-arsenical copper complied to BS6017 and dimensions shall be in accordance with BS 2871, Part 1, Table X,Y or equivalent to above standard. Supports shall be Cast brass munson rings.				
5	15mm dia. Pipes with fittings	15	m	.....	.....
6	22mm dia. Pipes with fittings	100	m	.....	.....
	Supply and installation of Lockable line Valves and Fittings				
7	15mm	7	nr	.....	.....
8	22mm	7	nr	.....	.....
	Supply and installation of Area Valve Service Units with Alarm				

9	02 Gas Area Valve Service Unit with Alarm	1	nr	.....	.....
10	Connecting existing pipes to the plant pipes	1	Item	.....	.....
	Ward No 2				
	Supply and installation Wall mounted Terminal units				
11	Oxygen (O2) 4 bar	11	nr	.....	.....
12	Medical Vacuum(MVAC)	5	nr	.....	.....
	PVC Bed Head trunking				
13	Supply and installation of PVC minimum (160 x 50 mm) two compartment Bed Head Trunkings having terminal units and Socket outlets.	18	m	.....	.....
14	Supply and installation of PVC (170 * 50 mm) Vertical trunking for medical gas pipelines.	9	m	.....	.....
	Piping Pipes used for installations shall be phosphorus de-oxidised, non-arsenical copper complied to BS6017 and dimensions shall be in accordance with BS 2871, Part 1, Table X,Y or equivalent to above standard. Supports shall be Cast brass munson rings.				
15	15mm dia. Pipes with fittings	10	m	.....	.....
16	22mm dia. Pipes with fittings	70	m	.....	.....
	Supply and installation of Lockable line Valves and Fittings				
17	15mm	2	nr	.....	.....
18	22mm	4	nr	.....	.....
	Supply and installation of Area Valve Service Units with Alarm				
19	02 Gas Area Valve Service Unit with Alarm	1	nr	.....	.....
20	Connecting existing pipes to the plant pipes	1	Item	.....	.....
	Ward No.3				
	Supply and installation Wall mounted Terminal units				
21	Oxygen (O2) 4 bar	9	nr	.....	.....
22	Medical Vacuum(MVAC)	6	nr	.....	.....
	PVC Bed Head trunking				
23	Supply and installation of PVC minimum (160 x 50 mm) two compartment Bed Head Trunkings having terminal units and Socket outlets.	12	m	.....	.....
24	Supply and installation of PVC (170 * 50 mm) Vertical trunking for medical gas pipelines.	6	m	.....	.....
	Piping Pipes used for installations shall be phosphorus de-oxidised, non-arsenical copper complied to BS6017 and dimensions shall be in accordance with BS 2871, Part 1, Table X,Y or equivalent to above standard. Supports shall be Cast brass munson rings.				
25	15mm dia. Pipes with fittings	10	m	.....	.....
26	22mm dia. Pipes with fittings	60	m	.....	.....
	Supply and installation of Lockable line Valves and Fittings				
27	15mm	2	nr	.....	.....
28	22mm	2	nr	.....	.....

	Supply and installation of Area Valve Service Units with Alarm				
29	02 Gas Area Valve Service Unit with Alarm	1	nr	.....	.....
30	Connecting existing pipes to the plant pipes	1	Item	.....	.....
	Ward No 4				
	Supply and installation Wall mounted Terminal units				
31	Oxygen (O2) 4 bar	6	nr	.....	.....
32	Medical Vacuum(MVAC)	6	nr	.....	.....
	PVC Bed Head trunking				
33	Supply and installation of PVC minimum (160 x 50 mm) two compartment Bed Head Trunkings having terminal units and Socket outlets.	12	m	.....	.....
34	Supply and installation of PVC (170 * 50 mm) Vertical trunking for medical gas pipelines.	6	m	.....	.....
	Piping Pipes used for installations shall be phosphorus de-oxidised, non-arsenical copper complied to BS6017 and dimensions shall be in accordance with BS 2871, Part 1, Table X,Y or equivalent to above standard. Supports shall be Cast brass munson rings.				
35	15mm dia. Pipes with fittings	20	m	.....	.....
36	22mm dia. Pipes with fittings	45	m	.....	.....
	Supply and installation of Lockable line Valves and Fittings				
37	15mm	2	nr	.....	.....
38	22mm	3	nr	.....	.....
	Supply and installation of Area Valve Service Units with Alarm				
39	02 Gas Area Valve Service Unit with Alarm	1	nr	.....	.....
40	Connecting existing pipes to the plant pipes	1	Item	.....	.....
	Ward No 5				
	Supply and installation Wall mounted Terminal units				
41	Oxygen (O2) 4 bar	3	nr	.....	.....
42	Medical Vacuum(MVAC)	3	nr	.....	.....
43	Medical Compressed Air (MA4) 4 bar	2	nr	.....	.....
	PVC Bed Head trunking				
44	Supply and installation of PVC minimum (160 x 50 mm) two compartment Bed Head Trunkings having terminal units and Socket outlets.	6	m	.....	.....
45	Supply and installation of PVC (170 * 50 mm) Vertical trunking for medical gas pipelines.	3	m	.....	.....
	Piping Pipes used for installations shall be phosphorus de-oxidised, non-arsenical copper complied to BS6017 and dimensions shall be in accordance with BS 2871, Part 1, Table X,Y or equivalent to above standard. Supports shall be Cast brass munson rings.				
46	15mm dia. Pipes with fittings	20	m	.....	.....
47	22mm dia. Pipes with fittings	40	m	.....	.....
	Supply and installation of Lockable line Valves and Fittings				

48	15mm	1	nr	.....	.....
49	22mm	2	nr	.....	.....
	Supply and installation of Area Valve Service Units with Alarm				
50	03 Gas Area Valve Service Unit with Alarm	1	nr	.....	.....
51	Connecting existing pipes to the plant pipes	1	Item	.....	.....
	Ward No 6				
	Supply and installation Wall mounted Terminal units				
52	Medical Compressed Air (MA4) 4 bar	2	nr	.....	.....
	PVC Bed Head trunking				
53	Supply and installation of PVC minimum (160 x 50 mm) two compartment Bed Head Trunkings having terminal units and Socket outlets.	6	m	.....	.....
54	Supply and installation of PVC (170 * 50 mm) Vertical trunking for medical gas pipelines.	3	m	.....	.....
	Piping				
	Pipes used for installations shall be phosphorus de-oxidised, non-arsenical copper complied to BS6017 and dimensions shall be in accordance with BS 2871, Part 1, Table X,Y or equivalent to above standard. Supports shall be Cast brass munson rings.				
55	15mm dia. Pipes with fittings	10	m	.....	.....
56	22mm dia. Pipes with fittings	20	m	.....	.....
	Supply and installation of Lockable line Valves and Fittings				
57	15mm	1	nr	.....	.....
58	22mm	1	nr	.....	.....
59	Connecting existing pipes to the plant pipes	1	Item	.....	.....
	Ward No 7				
	Supply and installation Wall mounted Terminal units				
60	Oxygen (O2) 4 bar	32	nr	.....	.....
61	Medical Vacuum(MVAC)	16	nr	.....	.....
62	Medical Compressed Air (MA4) 4 bar	2	nr	.....	.....
	PVC Bed Head trunking				
63	Supply and installation of PVC minimum (160 x 50 mm) two compartment Bed Head Trunkings having terminal units and Socket outlets.	40	m	.....	.....
64	Supply and installation of PVC (170 * 50 mm) Vertical trunking for medical gas pipelines.	20	m	.....	.....
	Piping				
	Pipes used for installations shall be phosphorus de-oxidised, non-arsenical copper complied to BS6017 and dimensions shall be in accordance with BS 2871, Part 1, Table X,Y or equivalent to above standard. Supports shall be Cast brass munson rings.				
65	15mm dia. Pipes with fittings	30	m	.....	.....
66	22mm dia. Pipes with fittings	170	m	.....	.....
	Supply and installation of Lockable line Valves and Fittings				
67	15mm	3	nr	.....	.....
68	22mm	6	nr	.....	.....

	Supply and installation of Area Valve Service Units with Alarm				
69	03 Gas Area Valve Service Unit with Alarm	1	nr	.....	.....
70	Connecting existing pipes to the plant pipes	1	Item	.....	.....
	Ward No 8				
	Supply and installation Wall mounted Terminal units				
71	Oxygen (O2) 4 bar	28	nr	.....	.....
72	Medical Vacuum(MVAC)	12	nr	.....	.....
73	Medical Compressed Air (MA4) 4 bar	2	nr	.....	.....
	PVC Bed Head trunking				
74	Supply and installation of PVC minimum (160 x 50 mm) two compartment Bed Head Trunkings having terminal units and Socket outlets.	35	m	.....	.....
75	Supply and installation of PVC (170 * 50 mm) Vertical trunking for medical gas pipelines.	21	m	.....	.....
	Piping				
	Pipes used for installations shall be phosphorus de-oxidised, non-arsenical copper complied to BS6017 and dimensions shall be in accordance with BS 2871, Part 1, Table X,Y or equivalent to above standard. Supports shall be Cast brass munson rings.				
76	15mm dia. Pipes with fittings	50	m	.....	.....
77	22mm dia. Pipes with fittings	100	m	.....	.....
	Supply and installation of Lockable line Valves and Fittings				
78	15mm	3	nr	.....	.....
79	22mm	6	nr	.....	.....
	Supply and installation of Area Valve Service Units with Alarm				
80	03 Gas Area Valve Service Unit with Alarm	1	nr	.....	.....
81	Connecting existing pipes to the plant pipes	1	Item	.....	.....
	Ward No 15				
	Supply and installation Wall mounted Terminal units				
82	Oxygen (O2) 4 bar	6	nr	.....	.....
83	Medical Vacuum(MVAC)	6	nr	.....	.....
84	Medical Compressed Air (MA4) 4 bar	2	nr	.....	.....
	PVC Bed Head trunking				
85	Supply and installation of PVC minimum (160 x 50 mm) two compartment Bed Head Trunkings having terminal units and Socket outlets.	18	m	.....	.....
86	Supply and installation of PVC (170 * 50 mm) Vertical trunking for medical gas pipelines.	9	m	.....	.....
	Piping				
	Pipes used for installations shall be phosphorus de-oxidised, non-arsenical copper complied to BS6017 and dimensions shall be in accordance with BS 2871, Part 1, Table X,Y or equivalent to above standard. Supports shall be Cast brass munson rings.				
87	15mm dia. Pipes with fittings	12	m	.....	.....
88	22mm dia. Pipes with fittings	75	m	.....	.....
	Supply and installation of Lockable line Valves and Fittings				

89	15mm	3	nr	.....	.....
90	22mm	7	nr	.....	.....
	Supply and installation of Area Valve Service Units with Alarm				
91	03 Gas Area Valve Service Unit with Alarm	1	nr	.....	.....
92	Connecting existing pipes to the plant pipes	1	Item	.....	.....
	Ward No 16				
	Supply and installation Wall mounted Terminal units				
93	Oxygen (O2) 4 bar	6	nr	.....	.....
	PVC Bed Head trunking				
94	Supply and installation of PVC minimum (160 x 50 mm) two compartment Bed Head Trunkings having terminal units and Socket outlets.	12	m	.....	.....
95	Supply and installation of PVC (170 * 50 mm) Vertical trunking for medical gas pipelines.	6	m	.....	.....
	Piping Pipes used for installations shall be phosphorus de-oxidised, non-arsenical copper complied to BS6017 and dimensions shall be in accordance with BS 2871, Part 1, Table X,Y or equivalent to above standard. Supports shall be Cast brass munson rings.				
96	15mm dia. Pipes with fittings	10	m	.....	.....
97	22mm dia. Pipes with fittings	20	m	.....	.....
	Supply and installation of Lockable line Valves and Fittings				
98	15mm	2	nr	.....	.....
99	22mm	2	nr	.....	.....
100	Connecting existing pipes to the plant pipes	1	Item	.....	.....
	A & E				
	Supply and installation Wall mounted Terminal units				
101	Oxygen (O2) 4 bar	16	nr	.....	.....
102	Medical Vacuum(MVAC)	16	nr	.....	.....
103	Medical Compressed Air (MA4) 4 bar	22	nr	.....	.....
	PVC Bed Head trunking				
104	Supply and installation of PVC minimum (160 x 50 mm) two compartment Bed Head Trunkings having terminal units and Socket outlets.	20	m	.....	.....
105	Supply and installation of PVC (170 * 50 mm) Vertical trunking for medical gas pipelines.	15	m	.....	.....
	Piping Pipes used for installations shall be phosphorus de-oxidised, non-arsenical copper complied to BS6017 and dimensions shall be in accordance with BS 2871, Part 1, Table X,Y or equivalent to above standard. Supports shall be Cast brass munson rings.				
106	15mm dia. Pipes with fittings	30	m	.....	.....
107	22mm dia. Pipes with fittings	50	m	.....	.....
	Supply and installation of Lockable line Valves and Fittings				
108	15mm	10	nr	.....	.....
109	22mm	10	nr	.....	.....

	Supply and installation of Area Valve Service Units with Alarm				
110	03 Gas Area Valve Service Unit with Alarm	1	nr	.....	.....
111	Connecting existing pipes to the plant pipes	1	Item	.....	.....
112	Micellenious works		Pro Sum		1,000,000.00
113	Testing and commissioning	1	Item	.....	.....
	Total Cost for Extension of Medical Gas System				.....

Extension of Medical Gas System for Wards, Teaching Hospital, Peradeniya
BILL OF QUANTITIES

MAIN SUMMARY

Bill No	DESCRIPTION	AMOUNT	
		Rs	Cts
A	Extension of Medical Gas System for Wards (MG)	.....	.....
(a)	Basic Cost Estimate (BCE) (Sub Total 1)	.....	.....
(b)	Less: Provisional Sum		1,000,000.00
(c)	Sub Total II (a-b)	.....	.....
(d)	Less: Discount if any ( ..... %)	.....	.....
(e)	Sub Total III (c-d)	.....	.....
(f)	Add : Provisional Sum (b)		1,000,000.00
	TOTAL BID SUM WITHOUT VAT	.....	.....

Total Bid Sum to be taken in to Form of Bid (Page No. 05) in words Rupees:

.....

..... only.

Amount of V.A.T.(Prevailing VAT) for the Total Bid Sum :- Rs.

Bidder's VAT Registration No:

.....

Signature of Bidder

Name and Address of Bidder:

.....

.....

.....

Date.....

.....

Signature of Witness (1)

.....

Signature of Witness (2)

Name and Address of Witness (1)

.....

.....

.....

Name and Address of Witness (2)

.....

.....

.....

Date.....

Date.....

TECHNICAL SCHEDULE

IMPROVEMENT OF MEDICAL GAS SYSTEM FOR WARDS

TECHNICAL SCHEDULE

Bidder shall fully complete the Technical Schedules. Manufacturer's technical brochures identifying the proposed items shall be submitted. Submission of bid without completion of technical schedules and supporting document may be liable for rejection of bid.

	Description	As Specified	As Offered	Remarks
1.0	<u>Wall Mounted Terminal Units</u>			
	Oxygen			
	Make			
	Model			
	Type			
	Country of Manufacture			
	Rated Pressure	4bar		
	Flow Rate	10l/mm – 100l/mm		
2.0	Compressed Medical Air (4 bar)			
	Make			
	Model			
	Type			
	Country of Manufacture			
	Rated Pressure	4bar		
	Flow Rate	10l/mm – 100l/mm		
3.0	Medical Vaccume			
	Make			
	Model			
	Type			
	Country of Manufacture			
	Rated Pressure	0.4 (300mmHg below atmosphere pressure)		
	Flow Rate	40 l/mm		
4.0	Piping			
	Oxygen, MA4, Vacuum			
	Make			
	Country of Manufacture			
	Material	Medical Grade Degreased Copper		
	Diameter	15mm – 35mm		
	Length			
5.0	Lockable Line Valves			
	Make			
	Model			
	Type			
	Size	15mm – 35mm		
	Country of Manufacture			
	Material	Copper & Brass		
6.	Area Valve Service Unit			
	Make			
	Model			
	Type			
	Country of Manufacture			

**SERVICE AND MAINTENANCE AFTER FREE MAINTENANCE PERIOD FOR
IMPROVEMENT OF MEDICAL GAS SYSTEM FOR WARDS**

Annual fee for providing **comprehensive maintenance service**.

The work shall include the sending of Contractor's personnel **once every two months during normal working hours of a normal working day** to inspect, clean, oil, grease and replacement of spares where necessary, adjust the machinery and equipment and attending to emergency call back service immediately the owner notifies the contractor.

The amount quoted for servicing and maintenance shall include the cost of supply of all replacement spares, necessary oil, grease and cleaning materials. **These prices will be considered for bid evaluation to arrive at a final evaluated bid price discounting to present value at the rate of 10% per annum.**

Total per annum
(After free maintenance period)

1 st year	Rs.
2 nd year	Rs.
3 rd year	Rs.
4 th year	Rs.
5 th year	Rs.

The bidder shall supply a sample of his proposed service and maintenance contract document.

(Signature) (Signature).....

(Name) (Name)