

**MINISTRY OF EXTERNAL AFFAIRS
(GOVT. OF INDIA)**

**DISTRICT GENERAL HOSPITAL, DIKOYA
SRI LANKA**

Tender

for

**Supply Installation Testing & Commissioning of Medical Gas Manifold
System at District General Hospital, Dikoya, Sri Lanka**

VOLUME – V

PRICE BID

March 2013



(Consultants & Engineers for Mega Hospitals & Laboratories)
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Tender No. HSCC/PUR/MEA-SRILANKA/2013

BILL OF QUANTITIES (BOQ)

PRICE BID

Package - Supply, installation Testing and commissioning of Medical Gas Manifold System at District Hospital, Dickoya, Srilanka with 1 year Defect liability period

Part-I

SL. NO.	ITEM DESCRIPTION	UNIT	Q'NTY	RATE (Rs.) (In Figure)	Rate (Rs.) (In Words)	AMOUNT (Rs.)
1.0	Oxygen System :					
1.1	12+12 Bulk Cylinder Manifold for Oxygen complete with Middle Frame, NRV and Tail Pipes as required as per specifications	Set	1			
1.2	Automatic Oxygen Control Panel with automatic switchover from one bank to other bank of cylinders complete as required with accessories as per specification	No.	1			
1.3	Four-cylinder Emergency system for Oxygen complete as required with accessories as per specification	Set	1			
2.0	Nitrous Oxide System :					
2.1	2+2 Bulk Cylinder Manifold for Nitrous Oxide complete with Middle Frame, NRV and Tail Pipes complete as required with accessories as per specification	Set	1			
2.2	Automatic Nitrous Oxide Control Panel with automatic switchover from one bank to other bank of cylinders complete as required with accessories as per specification	No.	1			
2.3	Single-cylinder Emergency system for Nitrous Oxide complete as required with accessories as per specification	Set	1			

3	Compressed Air System :					
3.1	Compressed Air System Consisting of 2 nos Air Compressors, each having 15 HP Motor with 57.18 cfm capacity at 8.5Kg/cm ² pressure, Tank Mounted, each Receiver Capacity 1500 ltrs, common 50 CFM Air drier, Pressure Reducing Unit etc. complete as required with accessories as per specification Make- Ingersolrand/Anest Iwata/Equivalent	Set	1			
3.2	Auto Drain System for Air receivers complete as required with accessories as per specification	No.	2			
3.3	3-Stage Breathing Air Filter for 50 CFM as per ISO 8573-1 complete as required with accessories as per specification	Set	2			
4.0	Vacuum System :					
4.1	2 nos. of vacuum pumps each having with 7.5 HP Motor with common 2000 litres Receiver, Filters, Electricals, etc. complete as required with accessories as per specification Make-Ingersol-Rand/Anesta Iwata make	Set	1			
4.2	Bacterial Filter suitable for Vacuum Pump system complete as required with accessories as per specification	Set	1			
5.0	Gas Outlet complete as required with accessories as per specification					
5.1	Oxygen	No.	141			
5.2	Nitrous Oxide	No.	11			
5.3	Medical Air 4 Bar	No.	45			
5.4	Vacuum	No.	141			
5.4	AGSS Outlets as per NFPA99 standard	No.	7			

6	Distribution Copper Piping having copper pipes as per BS EN 1057 standard with 3rd party inspection from Lloyds' complete as required with accessories as per specification					
	Cu Pipe 76.1 mm Od x 2 mm thick	Mtr.	83			
	Cu Pipe 54 mm Od x 1.2 mm thick	Mtr.	138			
	Cu Pipe 42 mm Od x 1.2 mm thick	Mtr.	482			
	Cu Pipe 28 mm Od x 0.9 mm thick	Mtr.	698			
	Cu Pipe 22 mm Od x 0.9 mm thick	Mtr.	1122			
	Cu Pipe 15 mm Od x 0.9 mm thick	Mtr.	988			
	Cu Pipe 12 mm Od x 0.7 mm thick	Mtr.	515			
7	Isolation Ball Valve (Factory-Degreased) with Brass Adaptor complete as required with accessories as per specification					
	15 MM.	No.	16			
	76 MM.	No.	8			
8	Valve Box complete as required with accessories as per specification					
	2 services	No.	3			
	3 services	No.	1			
	4 Services	No.	8			
	5 services	No.	1			
9	Alarm complete as required with accessories as per specification					
9.1	Master Alarm	No.	1			
9.2	Area Pressure Alarm (Digital)	No.				
	2 services	No.	2			
	3 services	No.	1			
	4 services	No.	8			
10	CEILING PENDANT complete as required with accessories as per specification					
10.1	Rigid Ceiling Pendant (S.S. make)	No.	5			

11.0	AGSS UNIT (Imported)					
	Simplex AGSS UNIT having dry Rotary Vane Vacuum System with 1.2 HP motor and receiver with control panel complete as required with accessories as per specification	No.	1			
12.0	HP A/S Tubing:					
	High Pressure Tubing for AIR	Mtr.	30			
	High Pressure Tubing for vaccum	Mtr.	30			
	LP Tubing	Mtr.	100			
13.0	Horizontal Bed Headed Panel	Nos	10			
	High Strength Anodised Aluminium Extrusions with inbuilt single railing, Medical Gas Outlets etc complete as required with accessories as per specification					
14.0	ACCESSORIES					
14.1	BPC Flowmeter with humidifier bottle & adapter complete as required with accessories as per specification	No.	141			
	Kit Conversion - Oxygen	No.	7			
	Kit Conversion - Nitrous Oxide	No.	7			
14.2	Ward Vacuum Unit with 600ml poly carbonate collection jar complete as required with accessories as per specification	No.	141			
14.3	Theater Suction Unit with regulator, trolley & 2x2000ml poly carbonate collection jars	No.	7			
15	Turnkey work complete as required with accessories as per specification	lot	1			
					SUB TOTAL Rs.	
	In words : Rupees					

Part-II						
Item No.	Description 2	Unit 3	Qty 4	Unit Rate In Rs (in Figure) 5	Unit Rate in Rs 6 (in Words)	Amount (Rs.) (In Figure) 7
1.0	Comprehensive Maintenance Charges for the complete MGPS including spares, repair or replacement of defective equipments/parts, accessories, labour charges etc. complete in all respect after completion of Defect Liability Period as per the contract.					
	Ist Year	Job	1			
	2nd Year	Job	1			
	3rd Year	Job	1			
	SUB TOTAL Rs.					
	SUMMARY OF RATES QUOTED					
1	TOTAL (PART-I)					
2	TOTAL (PART-II)					
	Grand Total Amount (PART - I + PART - II) (in Figures)					
	In words : Rupees					

Date

Signature of Bidder

Name of Bidder

Seal of the Bidder

Note

1

The above format of Bill of Quantity(BOQ) should be neatly hand written.

2

The BOQ in any other format other than the aboveformat or typed written shall be rejected.

3

The above quoted rates will be inclusive of all taxes, duties and other charges.

4

Cost of CMC will be added for ranking purpose

5

Cutting and overwriting should be avoided. Correction should be countersigned always.

6

Incase any error between Unit rate in figure and unit rate in words, the unit rate in words shall be cosidered