

All Bidders**Amendment-XIII**

Subject: Supply, Installation, Testing & Commissioning of Medical Gas Pipeline System for Lady Hardinge Medical College, New Delhi.

Tender No: HSCC/SES/MGPS/LHMC/2021 Date: 22.12.2021

This has reference to above tender No.

The following Amendment may be noted which shall be treated as part of the tender document and to be submitted duly signed & stamp along with tender.

Sr. No.	Bidders' Queries	Reply
1.	<p>We are one of the bidders intend to participate in the above referred tender and has checked and verified your requirement given in the technical specifications as well as in the BOQ of the tender.</p> <p>Most of the Medical Gas Pipeline System equipment's asked in the tender are of imported origin, hence the tender estimate considered is on a very lower side.</p> <p>Also note that in the past few month prices of various metals including copper, Aluminum, brass and steel etc. has increased more than twice, hence in this scenario it is not possible for any bidder to participate in the said tender having low tender estimate.</p> <p>We therefore request you to kindly increase the budget of tender to a minimum of 18 Crores to enable us to participate.</p>	Tender terms & conditions prevail.
2.	We request you to kindly extend the bid submission end date of the said tender for minimum 6-7 working days from the date of uploading of suitable corrigendum to enable us to participate.	The bid submission date has already been extended till 24.03.2022.
3.	<p>That budget kept for this tender of Rs. 10.80 crore is on an exorbitantly lower side, almost 40-45% less than tender estimate. Estimate taken in the tender is wrong.</p> <p>Normally quantities of Source Plants (Medical Air, Medical Vacuum & AGSS) is ONE SET only whereas in this tender, there are two sets of all the three Source equipments plants</p> <p>Estimates given to you in the past for this project itself were much higher than the budget which has been kept for the tender, slashed by about 40% from the given estimates.</p>	Tender terms & conditions prevail.

	<p>There is an increase in GST from 12% to 18% since Jan 2022- and as bidders have to quote prices in the tender inclusive of GST, which makes it more than necessary that the tender budget be revised upward.</p> <p>Taking into consideration the above points, we request your offices again to kindly reconsider the budget of subject tender, which needs to be revised up by about minimum 50% of the current tender estimate or alternatively if viable BOQ may be revised suitably so as to match with the tender budget</p> <p>We hereby request please issue revised BOQ.</p>	
4.	<p>In the meantime, bid submission end date may kindly be extended preferably by a week times</p>	<p>The bid submission date has already been extended till 24.03.2022.</p>
5.	<p>Form 8 Technical compliance</p> <p>It is very confusing to follow multiple amendments over particular items and also at risk of inadvertently missing certain points.</p> <p>We request HSCC to come up with the format that includes final specifications with all amendments so all bidders can follow a single format issued by HSCC.</p> <p>It will also be easier for HSCC at time of technical evaluation.</p>	<p>Tender terms & conditions prevail.</p>
6.	<p>As per corrigendum No. 3,</p> <p>Medical and Surgical Air System - Air Compressor should be Medical Grade and Medical version only and not industrial. Air Compressor Oil free Scroll or Oil free screw.</p> <p>Medical grade compressors are applicable for smaller capacity that are used in ventilators, dental applications etc.</p> <p>Compressors used in Medical Air plant of Medical Gas pipeline system do not come under the purview of medical grade compressors.</p> <p>The technical specifications already have enough points to guarantee that air coming out of the system is medical grade by including filtration system and drier system. Further in same corrigendum you have included a point that seeks a third party validating medical air quality.</p> <p>We request you to delete the highlighted point.</p>	<p>Tender terms & conditions prevail.</p>

7.	<p>As per corrigendum No. 3,</p> <p>Medical Vacuum Plant - Vacuum pumps should be medical grade and medial version not to be industrial.</p> <p>Only for lower capacities and of certain applications, medical grade/ version vacuum pumps are available. For bigger capacities as one required for this tender, medical grade/ version is not applicable. Specification of your tender has clause on bacterial filters that guarantee safety for use in hospitals.</p> <p>Request you to delete highlighted point</p>	Tender terms & conditions prevail.
8.	<p>Supply of Class D cylinders for O2, N2O, CO2</p> <p>Exclusive authorization letter from manufacturer is not possible for Class D cylinders since many bidders' approach one or two quality suppliers available in India.</p> <p>Kindly waive off manufacturer's authorization letter for these items.</p>	<p>Manufacturer Authorization from Manufacturer to prospective participating bidder for Class D cylinders is allowed to one or more bidder.</p>
9.	<p>BOQ</p> <p>1.4 Oxygen Flow meter with Humidifier Bottle: Supply, installation, testing and commissioning of oxygen flow meter (0-70 lpm) with humidifier bottle 0-15Litres complete with all accessories as per technical specification</p> <p>Amendment 9 original specification of 15 LPM prevails.</p> <p>Please amend BOQ as follows</p> <p>1.4 Oxygen Flow meter with Humidifier Bottle: Supply, installation, testing and commissioning of oxygen flow meter (0-15 lpm) with humidifier bottle 0-15Litres complete with all accessories as per technical specification</p>	<p>As per original tender technical specifications.</p> <p>Revised BOQ attached.</p>
10.	<p>We request you to kindly extend the tender submission date by 1 week i.e., from 16.03.2022 to 23.03.2022.</p>	<p>The bid submission date has already been extended till 24.03.2022.</p>

All other terms & conditions remain unchanged.

Director, LHMC, New Delhi

BOQ OF MEDICAL GAS PIPELINE SYSTEM						
Part-I : Plan, Design, Supply, Installation, Testing and Commissioning of MGPS on Turnkey Basis						
Name of Bidder M/s.						
Sr. No.	Description of Items	QTY	Unit	Rate in Rs.	Rate in Rupees in Words	Amount in Rs.
1	OXYGEN SYSTEM					
1.1	Fully Automatic Oxygen Control System : Supply, Installation testing and commissioning of Fully Automatic Oxygen Control System complete with all accessories as per technical specification	1	Nos			0.00
1.2	Oxygen Manifold (2x20) : Supply, Installation, testing and commissioning of (2x20 size) class D cylinder Oxygen Supply System complete with all accessories as per technical specification.	1	Nos			0.00
1.3	Emergency Oxygen Supply System : Supply, Installation, testing and commissioning of (2x5 or 1x10 size) class D cylinder Emergency Oxygen Supply System complete with all accessories as per technical specification.	1	Nos			0.00
1.4	Oxygen Flow meter with Humidifier Bottle: Supply, installation, testing and commissioning of oxygen flow meter with humidifier bottle complete with all accessories as per technical specification	1130	Nos			0.00
1.5	LMO Tank 20KL & 10 KLwith Vaporisers and Pressure Reducing Stn:Supply, installation,testing and commissioning complete with all accessories complete with all accessories as per technical specification	1	Nos			0.00
2	NITROUS SYSTEM					
2.1	Fully Automatic Manifold Control Panel for Nitrous Oxide: Supply, installation testing and commission of fully automatic control panel for Nitrous Oxide complete with all accessories as per technical specification	1	Nos			0.00
2.2	Nitrous Oxide Manifold System, (2x8 size): Supply, installation, testing and commissioning of Nitrous Oxide Manifold system complete with all accessories as per technical specification	1	Nos			0.00
2.3	Emergency Nitrous Oxide Manifold System, 2x3 or 1x6 size: Supply,installation, testing and commissioning of cylinderEmergency Nitrous Oxide supply System complete with all accessories as per technical specification	1	Nos			0.00
3.1	Medical Air Plant (Package Unit) including electrical control panel for A & E : Supply, Installation, testing and commissioning medical air plant having minimum capacity of 8000-9000 LPM as primary and 5000-6000 LPM as Standby (backup) with total plant capacity of 14000 LPM and complete with all accessories as per technical specification. Vendor shall meet the flow capacity..	1	Set			0.00

Sr. No.	Description of Items	QTY	Unit	Rate in Rs.	Rate in Rupees in Words	Amount in Rs.
3.2	Medical Air Plant (Package Unit) including electrical control panel for OPD : Supply, Installation, testing and commissioning medical air plant having minimum capacity of 3000 LPM as primary and 3000 LPM as standby or total plant capacity of 6000 LPM and complete with all accessories as per technical specification. Vendor shall meet the flow capacity.	1	Set			0.00
4.1	Medical Vacuum Plant (Package unit) for A & E : Supply, Installation, testing and commissioning of Rotary Vane type medical vacuum plant having a minimum system capacity of 14000 LPM as primary and 14000 LPM as standby and complete with all accessories complete with all accessories as per technical specification. Vendor shall meet the flow capacity.	1	Set			0.00
4.2	Medical Vacuum Plant (Package unit)for OPD & IPD : Supply, Installation, testing and commissioning of Rotary Vane type medical vacuum plant having a minimum system capacity of 7000 LPM as primary and 7000 LPM as standby and complete with all accessories complete with all accessories as per technical specification. Vendor shall meet the flow capacity.	1	Set			0.00
5	Ward Vacuum Unit: Supply, installation, testing and commissioning of Ward Vacuum Unit complete with all accessories as per technical specification.	985	Nos			0.00
6	Low flow ward vacuum unit SITC complete with all accessories as per technical specification	30	Nos			0.00
7	Theater Vacuum Unit for Operation Theaters: Supply, installation, testing and commissioning of Theater Vacuum Unit complete with all accessories as per technical specification (Digital/Analogue Suction Regulator and 2nos. 1500 ml each or more)	46	Nos			0.00
8	AGSS System: Supply installation and commissioning of AGSS Plant Package unit 50Hz - 2 set of Duplex 2500 lpm or more as working and 2500 lpm or more as standby and complete with all accessories as per technical specification	1	Nos			0.00
9	Copper Pipes Complete with all accessories as per technical specification					
i	108mm OD x 1.5mm thick	500	mtr			0.00
ii	76mm OD X 1.5mm thick	500	mtr			0.00
iii	54mm OD X 1.2mm thick	400	mtr			0.00
iv	42mm OD X 1.2mm thick	1925	mtr			0.00
v	28mm OD X 1 mm thick	3371	mtr			0.00
vi	22mm OD X 1 mm thick	6510	mtr			0.00
vii	15mm OD X 1 mm thick	6613	mtr			0.00
viii	12mm OD X 1 mm thick	5408	mtr			0.00

Sr. No.	Description of Items	QTY	Unit	Rate in Rs.	Rate in Rupees in Words	Amount in Rs.
10	Gas Outlet Points/ Terminal Units with probe: Supply,Installation, testing and commissioning of Gas outlet points for Oxygen, Nitrous Oxide, Medical Air 4 Bar , Surgical Air 7 Bar, Vacuum, CO2 and AGSS complete with all accessories as per technical specification .					
i	Oxygen outlet with probe (MOT outlets are in the MOT Package)	958	Nos			0.00
ii	Nitrous Oxide outlet with probe (MOT outlets are in the MOT Package)	0	Nos			0.00
iii	Medical Air 4 outlet with probe (MOT outlets are in the MOT Package)	263	Nos			0.00
iv	Vacuum outlet with probe (MOT outlets are in the MOT Package)	992	Nos			0.00
v	Surgical Air 7 outlet with probe (MOT outlets are in the MOT Package)	0	Nos			0.00
vi	AGSS outlet with probe (MOT outlets are in the MOT Package)	0	Nos			0.00
vii	Carbon di Oxide outlet with probe (MOT outlets are in the MOT Package)	0	Nos			0.00
11	AREA VALVE BOX : Supply,Installation, testing and commissioning of Area Valve Boxes complete with all accessories as per technical specification .					
i	Valve Box - 2 Gas Service	45	Nos			0.00
ii	Valve Box - 3 Gas Service	25	Nos			0.00
iii	Valve Box - 6 Gas Service	25	Nos			0.00
12	MEDICAL GAS ALARM PANEL : Supply, Installation, testing and commissioning of Medical Gas Alarm Panel complete with all accessories as per technical specification .					
i	Medical Gas Area Alarm for 2 services (Oxygen and Vacuum)	45	Nos			0.00
ii	Medical Gas Area Alarm for 3 services (Oxygen, MA4 bar and Vacuum)	25	Nos			0.00
iii	Medical Gas Area Alarm 6 services	25	Nos			0.00
iv	Master Alarm Panel	1	No			0.00
13	LINE ISOLATION VALVES Supply, Installation, testing and commissioning of Medical Gas Alarm Panel complete with all accessories as per technical specification .					
i	15 mm ball valve	195	Nos			0.00
ii	22 mm ball valve	198	Nos			0.00
iii	28 mm ball valve	25	Nos			0.00
iv	42 mm ball valve	20	Nos			0.00
v	54 mm ball valve	4	Nos			0.00
vi	76 mm ball valve	4	Nos			0.00
vii	108 mm ball valve	4	Nos			0.00
14	Supply of O2 cylinders-Class D cylinders	60	Nos			0.00
15	Supply of N2O cylinders-Class D cylinders	30	Nos			0.00
16	Supply of CO2 cylinders-Class D cylinders	15	Nos			0.00
17	Bed Head Horizontal/ vertical Wall Panel (Without outlets) as per specification	244	Nos			0.00

Sr. No.	Description of Items	QTY	Unit	Rate in Rs.	Rate in Rupees in Words	Amount in Rs.
18	Supply installation testing and commissioning of Medical gas hose assemblies as per standard followed	500	mtr			0.00
19	CO2 Manifold 4 + 4 Primary & 2+2 Standby Cylinders with Automatic control panelas per specs	1	set			0.00
20	Turnkey works					
i	Turnkey works including Site modification as per Specification and also as following	1	Lum Sum			0.00
ii	Providing and fixing of Airconditioners (Ductable with Exhausts) of capacity 25TR including ducting for MGPS Plant room	1	No			0.00
iii	SITC of Electrical Distribution Panel for Plant & Manifold rooms	1	No			0.00
iv	Providing and fixing earthing of the Plant Room	1	No			0.00
					TOTAL Rs.	0.00