HLL INFRA TECH SERVICES LIMITED

19-May-2022

Amendment No. 01

Sub: Extension of due dates to the referred tender enquiry

Ref.: HITES/PCD/AIIA/MGPS/22-23dated 19-04-2023

The following changes are being incorporated in the above referred Tender Enquiry Document.

SECTION I

NOTICE INVITING TENDER (NIT)

For:Tender Timeline

Sl. No.	Description	Schedule
1	Last date and time of **online submission** of tender	19-05-2023, 1400 hrs
2	Last date and time of **physical submission** of Tender Processing Fee, EMD or any other document specified in the Bidding Document	20-05-2023, 1400 hrs
3	Date and time of **tender Opening**	20-05-2023, 1430 hrs

Read As:

Sl. No.	Description	Schedule
1	Last date and time of **online submission** of tender	**31-05-2023, 1400 hrs**
2	Last date and time of **physical submission** of Tender Processing Fee, EMD or any other document specified in the Bidding Document	**01-06-2023, 1400 hrs**
3	Date and time of **tender Opening**	**01-06-2023, 1430 hrs**

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Section – VI
LIST OF REQUIREMENTS
Part II: Required Delivery Schedule

Tender Page & Para	TENDER SPECIFICATION	Read As
Page no. 43, Section VI List of Requirements	Part II: Required Delivery Schedule For Indigenous or for imported goods if supplied from India or for imported goods directly from foreign Period of Completion: Within 180 days	Supply, Installation and Commissioning to be completed within 180 days from the date of NOA or date of opening of LC or date of approval of layout drawing or site readiness, whichever is later.

Section – VII
Technical Specifications

Tender Page & Para	TENDER SPECIFICATION	Read As
Page 46 - Para 22	RESPONSIBILITY OF BIDDER: Bidder has to design the MGPS system **as per the matrix and** specification mentioned in the tender, any clarification/suggestions regarding the design of MGPS system should be submitted before pre-bid meeting	RESPONSIBILITY OF BIDDER: Bidder has to design the MGPS system as per the specification mentioned in the tender, any clarification/suggestions regarding the design of MGPS system should be submitted before pre-bid meeting
Page 47 - Para 1.1	**Fully Automatic Oxygen Control Panel** Automatic control panel should be constructed in accordance with the requirement of international standards. The fully automatic oxygen control panel should comply with HTM 02-01/NFPA 99C/ DIN / EN / ISO-7396-1 standards. It should be BIS/US FDA / European CE Certified with 4 digit notified body number or American ETL/ American UL listed.	**Fully Automatic Oxygen Control Panel** Automatic control panel should be constructed in accordance with the requirement of international standards. The fully automatic oxygen control panel should comply with HTM 02-01/NFPA 99C/ DIN / EN / ISO-7396-1 standards. **It should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO for the product and** **copy of valid license should be submitted.**
Page 47 - Para 1.1	**Fully Automatic Oxygen Control Panel** The Automatic Control Panel should be installed in such a way to meet the peak flow requirement of the Hospital/Institute (If the requirement is more than the specified flow capacity requirement of automatic control panel, the bidder has to supply appropriate Automatic Control Panel and design the system in such a way to meet the flow requirement of respective institute)	**Deleted**
Page 49 - Para 1.4.I	Oxygen Flow meter with Humidifier Bottle: Should be BIS/European CE certified with 4 digit notified body no/ UL Listed/US FDA/ETL listed	**Oxygen Flow meter with Humidifier Bottle:** **Manufacturer should be ISO 13485 certified**

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Tender Page & Para	TENDER SPECIFICATION	Read As
Page 49 - Para 2.1	**Fully Automatic Nitrous Oxide Control Panel** The Automatic Control Panel should be installed in such a way to meet the peak flow requirement of the Hospital/Institute (If the requirement is more than the specified flow capacity requirement of automatic control panel, the bidder has to supply appropriate Automatic Control Panel and design the system in such a way to meet the flow requirement of respective institute)	**Deleted**
Page 49 - Para 2.1	**Fully Automatic Nitrous Oxide Control Panel** The fully automatic N2O control panel should comply with HTM 02-01/ NFPA 99 C/ EN /DIN /ISO 7396-1 STANDARD. It should be BIS/US FDA / European CE Certified with 4 digit notified body number or American ETL/ American UL listed.	**Fully Automatic Nitrous Oxide Control Panel** Fully Automatic Nitrous Oxide Control Panel The fully automatic N2O control panel should comply with HTM 02-01/ NFPA 99 C/ EN /DIN /ISO 7396-1 standard; **It should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO for the product and** **copy of valid license should be submitted.**
Page 50 - Para 3.1	Medical and Surgical Air System (Package Unit) - Tolerance of +/-5% is acceptable on plant flow capacity Air-cooled Oil-Less compressors for continuous duty application with highest output of compressed air, low power consumption and very low vibration resulting in low noise level.	Medical and Surgical Air System (Package Unit) - Tolerance of +/-5% is acceptable on plant flow capacity Air-cooled **Oil-Less/Oil free** compressors for continuous duty application with highest output of compressed air, low power consumption and very low vibration resulting in low noise level.
Page 50 - Para 3.1	Air Compressor Modules It should be Oil-Less Screw Compressors /Scroll Compressors to produce the plant output of {minimum Liters Per Minutes (LPM) Plant capacity } as mentioned in BOQ of respective institute as primary and same capacity as standby	Air Compressor Modules It should be **Oil-Less/Oil free** Screw Compressors /Scroll Compressors to produce the plant output of {minimum Liters Per Minutes (LPM) Plant capacity } as mentioned in BOQ
Page 50 - Para 3.1	**Medical and Surgical Air System (Package Unit):** The medical air plant shall fully comply with the requirements of the HTM 02-01/ NFPA 99 C/EN/DIN/ISO 7396-1. It should be BIS/US FDA / European CE Certified with 4 digit notified body number or American ETL/ American UL listed (Incase of NFPA 99c the control panel of plant must be UL/ETL Listed and Undertaking from manufacturer for this tender reference must be submitted for using the same control panel in the system offered)	**Medical and Surgical Air System (Package Unit):** The medical air plant shall fully comply with the requirements of the HTM 02-01/ NFPA 99 C/EN/DIN/ISO 7396-1. **It should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO for the product and** **copy of valid license should be submitted.**
Page 51 - Para 3.1.5	**2-Stage** or more Breathing Air Filters – 2 sets(Duplex)	**3-Stage** or more Breathing Air Filters – 2 sets(Duplex)
Page 52 - Para 4.0	VACUUM SYSTEMS (Package unit) - Tolerence of +/-5% is acceptable in plant flow capacity It should be BIS/US FDA / European CE Certified with 4 digit notified body number or American ETL/ American UL listed (In-case of NFPA 99c the control panel of Plant must be UL/ETL Listed and Undertaking from manufacturer must be submitted for using the same control panel in the system offered)and should comply with HTM 0201/ NFPA 99 C / EN /DIN/ISO 7396-1	**VACUUM SYSTEMS (Package unit) - Tolerence of +/-5% is acceptable in plant flow capacity:** **Should comply with HTM 0201/ NFPA 99 C / EN /DIN/ISO 7396-1** **It should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO for the product and copy of valid license should be submitted.**

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Tender Page & Para	TENDER SPECIFICATION	Read As
Page 53 - Para 4.3	System Controls The control include individual self-protected combination motor controls with short circuit, single phase and thermal overload protection, individual control circuit transformers with primary and secondary protection, pressure sensors, temperature switches with reset buttons, and an electronic controller to automatically change the operating sequence of the compressors. The system should have a status display to show the system pressure, **elapsed time, maintenance interval,** fault conditions, and silence button, lighted **Hand-Off-Automatic selector switches and safety disconnect operating handles.**	System Controls The control include individual self-protected combination motor controls with short circuit, single phase and thermal overload protection, individual control circuit transformers with primary and secondary protection, pressure sensors, temperature switches with reset buttons, and an electronic controller to automatically change the operating sequence of the compressors. The system should have a status display to show the system pressure, fault conditions, and silence button.
Page 54 - Para 7.0	**AGSS (Anesthetic Gas Scavenging System) Plant -** Anesthetic Gas Scavenging System (AGSS) of minimum LPM as Primary & LPM as Standby(LPM as mentioned in respective institute's BOQ),It should be BIS/US FDA / European CE Certified with 4 digit notified body number or American ETL/ American UL listed (In-case of NFPA 99c the control panel of Plant must be UL/ETL Listed and Undertaking from manufacturer must be submitted for using the same control panel in the system offered)and should comply with HTM 02-01/ NFPA 99 C/EN/ISO 7396-1.	**AGSS (Anesthetic Gas Scavenging System) Plant -** Anesthetic Gas Scavenging System (AGSS) of minimum LPM as Primary & LPM as Standby(LPM as mentioned in respective institute's BOQ). It should comply with HTM 02-01/ NFPA 99 C/EN/ISO 7396-1. **Should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO for the product and copy of valid license should be submitted.**
Page 55 - Para 8.1	Piping specifications Copper pipe should be as per standard BS: EN **13348:2008**/ ASTM B819 standards, Solid drawn, seamless, deoxidized, non-arsenical, half hard (hard can be accepted only for sizes 54mm or more), tempered and degreased copper pipe conforming to the standard. All copper pipes should be degreased & delivered capped at both ends. The pipes should be accompanied with manufacturers test certificate for the physical properties & chemical composition.	Piping specifications Copper pipe should be as per standard BS: EN **13348:2016**/ ASTM B819 standards, Solid drawn, seamless, deoxidized, non-arsenical, half hard (hard can be accepted only for sizes 54mm or more), tempered and degreased copper pipe conforming to the standard. All copper pipes should be degreased & delivered capped at both ends. The pipes should be accompanied with manufacturers test certificate for the physical properties & chemical composition.
Page 56 - Para 9.0	GAS OUTLETS Outlets should be BIS/US FDA / European CE Certified with 4 digit notified body number or American ETL/ American UL listed	**GAS OUTLETS** **Should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO for the product and copy of valid license should be submitted.**
Page 57 - Para 11.0	ALARM SYSTEM 11.1 Master Alarm (Digital) Should be BIS/US FDA / European CE Certified with 4 digit notified body number or American ETL/ American UL listed.	**ALARM SYSTEM** **11.1 Master Alarm (Digital)** **Should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO for the product and copy of valid license should be submitted.**

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Tender Page & Para	TENDER SPECIFICATION	Read As
Page 57 - Para 11.1	**11.1 Master Alarm (Digital)** Each panel shall display and/or input up to forty point alarms. Panel should be ready to use with BMS system. The master alarm must be able to monitor the following source alarm conditions. · Oxygen Source Empty/Fault · Oxygen Cylinder Bank Empty/Fault · Oxygen Emergency Bank Empty/Fault · Air Compressor Faulty/Operation · Vacuum Pump Faulty/Operational · **Vacuum Deficiency Vacuum Reservoir** · And Other MGPS Signals & Alarms Bidder shall be responsible for all cabling from local alarm panels (OTS & ICUs) to master alarm panel. Bidder should quote unit rate per meter interconnection cost and 1000m will be considered for ranking purpose. Payment will be made at actuals Master alarm should be integrated with BMS/HIS	**11.1 Master Alarm (Digital)** Each panel shall display and/or input up to forty point alarms Panel should be ready to use with BMS system The Master Alarm must be able to monitor the following source alarm conditions Oxygen Source Empty / Fault Oxygen cylinder bank Empty / Fault Oxygen emergency bank Empty / Fault Air Compressor Faulty / operation Vacuum pump Faulty / operation Vacuum deficiency **/ vacuum Reservoir** And other MGPS signals / alarms Bidder shall be responsible for all cabling from local alarm panels (OTS & ICUs) to master alarm panel. Bidder should quote unit rate per meter interconnection cost and 1000 m will be considered for ranking purpose. Payment will be made at actual. Master Alarm should be integrated with BMS / HIS
Page 57 - Para 11.2	Medical Gas Area Alarm The medical gas central alarms should be capable of monitoring up to 5 medical gas services (As specified in BOQ of respective institute) by means of pressure sensors which detect deviations from the normal operating limits of either pressure or medical vacuum. The area alarm should have a digital display of pressures. The medical gas area alarm should fully satisfy the HTM 02-01/ NFPA 99 C/EN/DIN/ISO 7396-1 requirements and **should be BIS/US FDA / European CE Certified with 4 digit notified body number or American ETL/ American UL listed.**	**Medical Gas Area Alarm** The medical gas central alarms should be capable of monitoring up to 5 medical gas services (As specified in BOQ of respective institute) by means of pressure sensors which detect deviations from the normal operating limits of either pressure or medical vacuum. The area alarm should have a digital display of pressures. The medical gas area alarm should fully satisfy the HTM 02-01/ NFPA 99 C/EN/DIN/ISO 7396-1 requirements **It should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO for the product and copy of valid license should be submitted.**
Page 59 - Para 18	**CARBON DIOXIDE SYSTEM** The system should consist of medical CO2 Manifold 2 + 2 Primary & 1+1 Standby with Class-D type Cylinders (6 Nos over and above than BOQ quantity of CO2 cylinders) and control panel . **Control panel of CO2 should be BIS/US FDA / European CE Certified with 4 digit notified body number or American ETL/ American UL listed.** The Modular Manifold supply system shall provide carbon dioxide piped distribution system.	**CARBON DIOXIDE SYSTEM** The system should consist of medical CO2 Manifold 2 + 2 Primary & 1+1 Standby with Class-D type Cylinders (6 Nos over and above than BOQ quantity of CO2 cylinders) and control panel. The Modular Manifold supply system shall provide carbon dioxide piped distribution system. **Should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO for the product and copy of valid license should be submitted.**
Page 61- Para	BoQ:	**BoQ:** **Added Para:** **1.5 Oxygen Control panel of capacity 500LPM. (Optional)- 1 no**

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Tender Page & Para	TENDER SPECIFICATION	Read As
Page 62- Para 20	BoQ: 20. Interconnection to LMO as per specification. per meter rate should be quoted (OPTIONAL)	**Deleted**
Page 62- Para 19	BoQ: 19. CO2 Manifold with control panel (with cylinders) as per specification **(OPTIONAL)** - Nos - 1	BoQ: 19. CO2 Manifold with control panel (with cylinders) as per specification - Nos - 1
Page 62	BoQ: **22. Extra Works as per specification (OPTIONAL)** a Construction of Operator Room and Toilet (Optional) Sq Ft - 1 b. Construction of Overhead/Under Ground trench size approx 1.5mx1m (Optional) - No -1 c. Construction of 9" brick wall (500 Sq.ft) (Optional) Sq Ft - 1 d. Demolition of brick wall 200 Cu.ft. Payment shall be made at actuals. (Optional) - Cu. Ft - 1 e. Interconnection from Local alarm panels to master alarm panel - m - 1	**BoQ:** **24. Extra Works as per specification (OPTIONAL) -(Payment shall be made at actuals)** a Construction of Operator Room and Toilet (Optional) - Sq Ft - 100 Sq Ft b. Construction of Overhead/Under Ground trench size approx 1.5mx1m (Optional) - m -100 c. Construction of 9" brick wall (Optional) - Sq Ft - 500 Sq.ft d. Demolition of brick wall 200 . (Optional) - 200 Cu. Ft e. Interconnection of Manifold to LMO as per specification (OPTIONAL) - m - 100 m
Page 62	BoQ:	**Added in BoQ:** **25. The third party compliance certification after installation to be done for the standard followed i.e HTM 02-01/NFPA 99C/DIN/EN/ISO-7396-1 except copper pipe from the authorised agency - 1**

Section – IX
Qualification Criteria

Tender Spec Para	Tender Specification	Read As
Page No.66 Point no. 2, Qualification criteria	Similar works means experience in executing work order for supply of furniture like general furniture, administrative furniture, office furniture, lab furniture, etc. in Govt. Institutions/ PSUs/ Reputed Private Entities in India.	Similar works means experience in executing work order for supply, installation & commissioning of MGPS in Govt. Institutions/ PSUs/ Reputed Private Entities in India.
Page No.66 Point no. 4, Qualification criteria	Value of Two Individual Orders Value (@ 80% of Estimate) in INR 2,73,92,800.00	Value of one Individual Orders Value (@ 80% of Estimate) in INR 2,73,92,800.00
Section – IX, Qualification Criteria, Page No.69, Proforma `A'	The bidders are requested to submit the latest purchase order copies supplied to AIIMS, PGIMER, JIPMER, Institute of National importance for the specific model quoted along with the price bid.	The bidders are requested to submit the latest purchase order copies supplied to AIIMS, PGIMER, JIPMER, Institute of National importance/Private Institutes of repute for the specific model quoted along with the price bid.

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All other contents of the Tender enquiry including terms & conditions remain unaltered.

Note:

I. In reference to the extension of bid opening date, the participating bidders who had submitted or are submitting their Bid security/EMD in the form of Bank Guarantee (BG) or FDR are instructed to extend the validity of their BG/FDR accordingly, i.e. required validity of EMD is to be kept in line with the extended bid opening date.

II. Prospective Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids.

III. Technical Compliance Sheet (v1.0) and Price Bid Format (v1.0) is uploaded on CPP Portal along with this amendment for necessary action of interested bidders. This will supersede any version uploaded earlier.