

**Amendment No. 03****Date: 30/09/2019****Sub: Amendment No.03 to the Tender Enquiry Document****Ref: (i) Tender No: HITES/PCD/RHTC-NJF/01/MGPS/19-20 Dt. 04.07.2019****Section I**  
**Notice Inviting Tenders (NIT)**

The schedule for submission of tenders against the referred NIT is revised as below:

**For:-**

<b>Sl. No.</b>	<b>Description</b>	<b>Schedule</b>
v.	Closing date & time for submission of online bids	30.09.2019, 1400 Hrs IST
vi.	Closing date & time for submission of <b>Tender Processing Fee and EMD in physical form**</b>	30.09.2019, 1400 Hrs IST
vii.	Date and Time of opening of online bids	30.09.2019, 1430 Hrs IST

**Read As:**

<b>Sl. No.</b>	<b>Description</b>	<b>Schedule</b>
v.	Closing date & time for submission of online bids	21.10.2019, 1400 Hrs IST
vi.	Closing date & time for submission of <b>Tender Processing Fee and EMD in physical form**</b>	21.10.2019, 1400 Hrs IST
vii.	Date and Time of opening of online bids	21.10.2019, 1430 Hrs IST

## Section VII Technical Specification

Tender Specification		READ AS
RESPONSIBILITY OF BIDDER		RESPONSIBILITY OF BIDDER
<b>8</b>	Medical gas pipe line inside the minor operation theatre has to be done by the MGPS bidder. MGPS bidder shall cooperate with the MOT bidder for associated works <b>(The interconnection of MOT Gas pipelines, is the responsibility of MGPS bidder, MOT vendor will keep all MGPS line outside of the MOT)</b>	Medical gas pipe line inside the minor operation theatre has to be done by the MGPS bidder. <b>In case of Modular Operation Theatres (MOT): MGPS bidder shall coordinate with the MOT bidder for associated works (The interconnection of MOT Gas pipelines.MOT vendor will keep all MGPS line outside of the MOT)</b> <b>In case MOT vendor completes inside OT medical gas pipeline Installation in advance of MGPS vendor medical gas pipeline Installation in OT corridor, then interconnection of these piping to be done by MGPS vendor and vice versa in case MGPS vendors executes pipeline Installation in advance of MOT vendor</b>
<b>22</b>	Bidder should be responsible for dedicated earthing (Chemical type) for MGPS Plant room <b>(If required)</b>	Bidder should be responsible for dedicated earthing (Chemical type) for MGPS Plant room
		<b>Added Para: 28</b>
		<b>Charges for gas filling for one time for all ordered cylinders to be borne by MGPS vendor.</b>
<b>1.4</b>	<b>Oxygen Flow meter with Humidifier Bottle</b>	<b>Oxygen Flow meter with Humidifier Bottle</b>
<b>b</b>	It should meet strict precision and durability standard.	<b>Deleted</b>
<b>2</b>	<b>NITROUS OXIDE SYSTEM</b>	<b>NITROUS OXIDE SYSTEM</b>
<b>2.1</b>	<b>Fully Automatic Nitrous Oxide Control Panel</b>	<b>Fully Automatic Nitrous Oxide Control Panel</b>
	The Control Panel shall include two pressure relief valves, one high pressure approx.200psi and one low pressure approx.75 psi.	The Control Panel shall include two pressure relief valves, <b>one high pressure approx.200/350psi</b> and one low pressure approx.75 psi.
<b>3</b>	<b>Medical and Surgical Air System (Package Unit) - Tolerance of +/-5% is acceptable on plant flow capacity</b>	<b>Medical and Surgical Air System (Package Unit) - Tolerance of +/-5% is acceptable on plant flow capacity</b>

Tender Specification		READ AS
	<b>RESPONSIBILITY OF BIDDER</b>	<b>RESPONSIBILITY OF BIDDER</b>
	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 US FDA / European CE Certified with 4 digit notified body number or American ETL/ American UL listed <b>(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)</b>	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 US FDA / European CE Certified with 4 digit notified body number or American ETL/ American UL listed
4	<b>VACUUM SYSTEMS (Package unit) - Tolerance of +/-5% is acceptable in plant flow capacity</b>	<b>VACUUM SYSTEMS (Package unit) - Tolerance of +/-5% is acceptable in plant flow capacity</b>
	It should be US FDA / European CE Certified with 4 digit notified body number or American ETL/ American UL listed <b>(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</b>	It should be US FDA / European CE Certified with 4 digit notified body number or American ETL/ American UL listed
7	<b>AGSS (Anesthetic Gas Scavenging System) Plant -</b>	<b>AGSS (Anesthetic Gas Scavenging System) Plant -</b>
	Anesthetic Gas Scavenging System (AGSS) of <b>minimum LPM as Primary &amp; LPM as Standby(LPM as mentioned in respective institute's BOQ)</b> ,It should be US FDA / European CE Certified with 4 digit notified body number or American ETL/ American UL listed <b>(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.</b>	Anesthetic Gas Scavenging System (AGSS) of <b>minimum LPM as Primary &amp; LPM as Standby(LPM as mentioned in respective institute's BOQ)</b> ,It should be US FDA / European CE Certified with 4 digit notified body number or American ETL/ American UL listed
8.2	<b>Installation &amp; testing</b>	<b>Installation &amp; testing</b>

Tender Specification		READ AS
	RESPONSIBILITY OF BIDDER	RESPONSIBILITY OF BIDDER
		<p><b>Added Para:</b> MGPS vendor should carry out the following test and procedure according to Indian standard non flammable medical gas pipeline systems 1990, para 12.2.2:</p> <p>a) Tests and checks for leakage, correct zoning and identification of zone isolation valves – check for identifications of terminal units b) Tests for cross connection, flow pressure drop, and system performance c) Tests of pressure relief valves and safety valves d) Functional test of all sources of supply e) Tests of warning systems f) Purging and filling with specific gas g) Tests for cleanliness h) Tests for gas identities</p>
<b>15</b>	<b>Horizontal/ Vertical Bed Head Panel</b>	<b>Horizontal/ Vertical Bed Head Panel</b>
	It shall confirm to HTM 02-01/ NFPA 99 C/EN/DIN/ISO 7396-1. The design should be approved by the respective institute before installation and it is responsibility of the bidder after getting order they have to discuss with respective institute and finalized the Bed Head Panel (Vertical/Horizontal) as per site condition. <b>Vertical BHP should be upto False Ceiling Level and all outlets and sockets should be located at reachble hieght. Horizontal BHP should be of maximum 1000mm for 2 Gas outlet configuration, 1200mm for upto 4 outlets configuration and 1500mm for 6/8 Outlet configurations.</b>	It shall confirm to HTM 02-01/ NFPA 99 C/EN/DIN/ <b>ISO 11197</b> . The design should be approved by the respective institute before installation and it is responsibility of the bidder after getting order they have to discuss with respective institute and finalized the Bed Head Panel (Vertical/Horizontal) as per site condition. <b>Vertical BHP should be upto False Ceiling Level and all outlets and sockets should be located at reachable height (not more than 5ft height). Horizontal BHP should be of maximum 1000mm for 2 Gas outlet configuration, 1200mm for upto 4 outlets configuration and 1500mm for 6/8 Outlet configurations.</b>
	<b>BOQ</b>	<b>BOQ</b>
3	Medical Air Plant (Package Unit ) including electrical control panel: Supply, Installation, testing and commissioning medical air plant having a minimum capacity of 3000 LPM as Primary & 1000 LPM as standby or <b>Total minimum Plant Capacity of 6500 LPM</b> and as per specification.	Medical Air Plant (Package Unit ) including electrical control panel: Supply, Installation, testing and commissioning medical air plant having a minimum capacity of 3000 LPM as Primary & 1000 LPM as standby or <b>Total minimum Plant Capacity of 4000 LPM</b> and as per specification.
23.b	Construction of Overhead/Under Ground trench size approx 1.5mx1m (Optional)	Construction of Overhead/Under Ground trench size approx 1.5mx1m (Optional) - 20m

**Note: If EMD is submitted in the form of BG, then the validity of the BG should be at least 165 days from the revised date of tender opening.**

**All other terms and conditions of the tender enquiry remain unaltered**