27-Sep-2023

Amendment No 02

Sub: Amendment to the referred tender enquiry

Ref.: Tender Enquiry No. HITES/PCD/PMSSY-IV/35/MGPS-MOT/2023-24 dated 25-Aug-2023 with Amendment No. 01 dated 19-Sep-2023.

Following changes are being incorporated in the tender:

SECTION VII

TECHNICAL SPECIFICATIONS

Tender spec Para	TENDER SPECIFICATION	READ AS
	Part A: MEDICAL GAS PIPELINE SYSTEM (MGPS)	
Pg 51 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 have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO or CDSCO product registration (incase of Class A Devices) for the quoted model and copy of valid license/registration should be submitted.	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 quoted model and **copy of valid license should be submitted in line with the prevailing rules/guidelines/circular from CDSCO**
1.4	**Oxygen Flow meter with Humidifier Bottle**	
I	It Should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO or CDSCO product registration(incase of Class A Devices) for the quoted model and copy of valid license/registration should be submitted	It Should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO for the quoted model and **copy of valid license should be submitted in line with the prevailing rules/guidelines/circular from CDSCO**
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 have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO or CDSCO product registration (incase of Class A Devices) for the quoted model and copy of valid license/registration should be submitted.	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 quoted model and **copy of valid license should be submitted in line with the prevailing rules/guidelines/circular from CDSCO**
3	**Medical and Surgical Air System (Package Unit) - Tolerance of +/-5% is acceptable on plant flow capacity**	
	The medical air plant shall fully comply with the	The medical air plant shall fully comply with the

Tender spec Para	TENDER SPECIFICATION	READ AS
	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 or CDSCO product registration (incase of Class A Devices) for the quoted model and copy of valid license/registration should be submitted.	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 quoted model and **copy of valid license should be submitted in line with the prevailing rules/guidelines/circular from CDSCO**
4	**VACUUM SYSTEMS (Package unit) - Tolerance of +/- 5% is acceptable in plant flow capacity**	
Pg 55	It should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO or CDSCO product registration (incase of Class A Devices) for the quoted model and copy of valid license/registration should be submitted.	It Should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO for the quoted model and **copy of valid license should be submitted in line with the prevailing rules/guidelines/circular from CDSCO**
7	**AGSS (Anesthetic Gas Scavenging System) Plant**	
Pg 57	Anesthetic Gas Scavenging System (AGSS) of minimum LPM as Primary & LPM as Standby (LPM as mentioned in respective institute's BOQ). It should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO or CDSCO product registration(incase of Class A Devices) for the quoted model and copy of valid license/registration should be submitted	Anesthetic Gas Scavenging System (AGSS) of minimum LPM as Primary & LPM as Standby (LPM as mentioned in respective institute's BOQ). It Should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO for the quoted model and **copy of valid license should be submitted in line with the prevailing rules/guidelines/circular from CDSCO**
11.1	**Master Alarm (Digital)**	
Pg 59	It should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO or CDSCO product registration (incase of Class A Devices) for the quoted model and copy of valid license/registration should be submitted.	It Should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO for the quoted model and **copy of valid license should be submitted in line with the prevailing rules/guidelines/circular from CDSCO**
18	**CARBON DIOXIDE SYSTEM**	
Pg 62	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 have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO or CDSCO product registration (incase of Class A Devices) for the quoted model and copy of valid license/registration should be submitted.	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 have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO and **copy of valid license should be submitted in line with the prevailing rules/guidelines/circular from CDSCO**

Response To Pre-Bid Queries				
Tender Ref: HITES/PCD/PMSSY-IV/35/MGPS-MOT/2023-24 dated 25-Aug-2023				
MGPS and MOT (2023_HITE_165724_1)				
Tender spec Para	**TENDER SPECIFICATION**	**REPRESENTATION RECEIVED FROM THE FIRMS**	**COMMITTEE RECOMMENDATION**	**JUSTIFICATION**
	Part A: MEDICAL GAS PIPELINE SYSTEM (MGPS)			
Pg 49	The MGPS comprises of: 1 Oxygen Manifold and Emergency oxygen manifold with automatic control panels 2 Nitrous Oxide Manifold and Emergency NO2 Manifold with automatic control panel 3 CO2 Manifold and Emergency CO2 Manifold with automatic control panel 4 Medical Air Supply System (4 Bar & 7 Bar) complete. 5 Medical Vacuum (suction) Supply System Complete. 6 Distribution Piping Complete with Accessories. 7 Area Valve Service System. 8 AGSS system Complete 9 Alarm Systems (Master & Area) 10 Gas Outlets with Probes 11 Bed Head Panels 12 Other associated & Optional works	Medical Gas Pipeline System is life saving system. Be it a new-born baby receives oxygen, be it a patient anaesthetized for an operation. The life of a person depends on safe, reliable functioning and constant supply of medical gas. Therefore it is requested for better syncronisation, designing, manufacturing according to highest quality standards, installation and maintenanace purpose; we request all the mentioned MGPS items except copper pipes should be procured from same principal company/manufacturer. We therefore request to kindly incorporate that the mentioned Medical Gas Pipeline System items should be from same principal company/manufacturer along with Manufacturer Authorisation Letter.	No change	

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Tender spec Para	**TENDER SPECIFICATION**	**REPRESENTATION RECEIVED FROM THE FIRMS**	**COMMITTEE RECOMMENDATION**	**JUSTIFICATION**
Pg 51 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 have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO or CDSCO product registration (incase of Class A Devices) for the quoted model and copy of valid license/registration should be submitted.	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/ISO: 13485. As you naware that ISO13485 relate medical devicess standard, hence also incorporate 13485. Which will create wider competition in this tender. We wish to inform that CDSCO product registration can be done very easily. Mere registration of product does not prove that the manufacture is actually manufacturing the	May be amended as: 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 quoted model and **copy of valid license should be submitted in line with the prevailing rules/guidelines/circul**	For clarity in the specification

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Tender spec Para	**TENDER SPECIFICATION**	**REPRESENTATION RECEIVED FROM THE FIRMS**	**COMMITTEE RECOMMENDATION**	**JUSTIFICATION**
		items. Whereas Licence is a proper document issued by CDSCO Licensing Authority to the Manufacturer for Manufacturing of particular items. We request, the product should have proper CDSCO State Licencing Authority/ Central Licencing Authority valid licence for such Product to be marketed, distributed, sold for all the mentioned items or it should be BIS/USFDA / European CE Certified with 4 digit notified body number or American ETL/American UL listed so that proper document that establish genuine manufacturer products should only be installed.	**ar from CDSCO**	
1.4	**Oxygen Flow meter with Humidifier Bottle**			
I	It Should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO or CDSCO product registration(incase of Class	The fully automatic N2O control panel should comply with HTM 02-01/ NFPA 99 C/ EN /DIN /ISO 7396-1 STANDARD. It	It Should have import/manufacturing license from Central licensing Authority or	For clarity in the specification

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	A Devices) for the quoted model and copy of valid license/registration should be submitted	Should have import/ manufacturing license from Central licensing Authority or State licensing authority of CDSCO /ISO: 13485. As you naware that ISO13485 relate medical devicess standard, hence also incorporate 13485. Which will create wider competition in this tender.	State licensing authority of CDSCO for the quoted model and **copy of valid license should be submitted in line with the prevailing rules/guidelines/circular from CDSCO**	
		We wish to inform that CDSCO product registration can be done very easily. Mere registration of product does not prove that the manufacture is actually manufacturing the items. Whereas Licence is a proper document issued by CDSCO Licensing Authority to the Manufacturer for Manufacturing of particular items. We request, the product should have proper CDSCO State Licencing Authority/Central Licencing Authority		

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		valid licence for such Product to be marketed, distributed, sold for all the mentioned items or it should be BIS/USFDA / European CE Certified with 4 digit notified body number or American ETL/American UL listed so that proper document that establish genuine manufacturer products should only be installed.		
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 have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO or CDSCO product registration(incase of Class A Devices) for the quoted model and copy of valid license/registration should be submitted.	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/ISO: 13485. As you naware that ISO13485 relate medical devicess standard, hence also incorporate 13485. Which will create wider competition in this	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 quoted model and **copy of valid license**	For clarity in the specification

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		tender.	**should be submitted in line with the prevailing rules/guidelines/circular from CDSCO**	
		We wish to inform that CDSCO product registration can be done very easily. Mere registration of product does not prove that the manufacture is actually manufacturing the items. Whereas Licence is a proper document issued by CDSCO Licensing Authority to the Manufacturer for Manufacturing of particular items. We request, the product should have proper CDSCO State Licencing Authority/Central Licencing Authority valid licence for such Product to be marketed, distributed, sold for all the mentioned items or it should be BIS/USFDA / European CE Certified with 4 digit notified body number or American ETL/American UL listed so that proper document that establish genuine manufacturer products should		

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Tender spec Para	**TENDER SPECIFICATION**	**REPRESENTATION RECEIVED FROM THE FIRMS**	**COMMITTEE RECOMMENDATION**	**JUSTIFICATION**
		only be installed.		
3	**Medical and Surgical Air System (Package Unit) - Tolerance of +/-5% is acceptable on plant flow capacity**			
	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 or CDSCO product registration (incase of Class A Devices) for the quoted model and copy of valid license/registration should be submitted.	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/ISO:13485. We wish to inform that CDSCO product registration can be done very easily. Mere registration of product does not prove that the manufacture is actually manufacturing the items. Whereas Licence is a proper document issued by CDSCO Licensing Authority to the manufacturer for Manufacturing of particular items. We request, the product should have proper CDSCO State	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 quoted model and **copy of valid license should be submitted in line with the prevailing rules/guidelines/circular from CDSCO**	For clarity in the specification

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		Licencing Authority/Central Licencing Authority valid licence for such Product to be marketed, distributed, sold for all the mentioned items or it should be BIS/USFDA / European CE Certified with 4 digit notified body number or American ETL/American UL listed so that proper document that establish genuine manufacturer products should only be installed.		
3.1	Air Compressor Modules			
Pg 54	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	Tender Document Page No 81 BOQ item No 3 Medical Air Plant ask for "medical air plant having a minimum capacity of 5000 LPM as Primary & 2000 LPM as standby or Total minimum Plant Capacity of 7000 LPM and as per specification." Tender Document Page No 54 Technical Specification 3 Medical and Surgical Air System (Package Unit)	No change	Primary & standby capacity is already mentioned in the BOQ

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Tender spec Para	**TENDER SPECIFICATION**	**REPRESENTATION RECEIVED FROM THE FIRMS**	**COMMITTEE RECOMMENDATION**	**JUSTIFICATION**
		And specification ask for "It should be Oil-Less Screw Compressors /Scroll Compressors to produce the plant output of {minimum Litres Per Minutes (LPM) Plant capacity } as mentioned in BOQ of respective institute as primary and same capacity as standby. Hence request you to confirm the capacity of primary and standby		
4	**VACUUM SYSTEMS (Package unit) - Tolerence of +/-5% is acceptable in plant flow capacity**			
Pg 55	It should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO or CDSCO product registration(incase of Class A Devices) for the quoted model and copy of valid license/registration should be submitted.	It should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO/ISO: 13485. As you naware that ISO13485 relate medical devicess standard, hence also incorporate 13485. Which will create wider competition in this	It Should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO for the quoted model and **copy of valid license should be submitted in line with the prevailing rules/guidelines/circul**	For clarity in the specification

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		tender.	**ar from CDSCO**	
		We wish to inform that CDSCO product registration can be done very easily. Mere registration of product does not prove that the manufacture is actually manufacturing the items. Whereas Licence is a proper document issued by CDSCO Licensing Authority to the manufacturer for Manufacturing of particular items. We request, the product should have proper CDSCO State Licencing Authority/Central Licencing Authority valid licence for such Product to be marketed, distributed, sold for all the mentioned items or it should be BIS/USFDA / European CE Certified with 4 digit notified body number or American ETL/American UL listed so that proper document that establish genuine manufacturer products should		

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		only be installed.		
7	**AGSS (Anesthetic Gas Scavenging System) Plant**			
Pg 57	Anesthetic Gas Scavenging System (AGSS) of minimum LPM as Primary & LPM as Standby(LPM as mentioned in respective institute's BOQ). It should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO or CDSCO product registration(incase of Class A Devices) for the quoted model and copy of valid license/registration should be submitted	It should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO/ISO:13485. We wish to inform that CDSCO product registration can be done very easily. Mere registration of product does not prove that the manufacture is actually manufacturing the items. Whereas Licence is a proper document issued by CDSCO Licensing Authority to the manufacturer for Manufacturing of particular items. We request, the product should have proper CDSCO State Licencing Authority/Central Licencing Authority valid licence for such Product to be marketed, distributed, sold	Anesthetic Gas Scavenging System (AGSS) of minimum LPM as Primary & LPM as Standby(LPM as mentioned in respective institute's BOQ). It Should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO for the quoted model and **copy of valid license should be submitted in line with the prevailing rules/guidelines/circular from CDSCO**	For clarity in the specification

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		for all the mentioned items or it should be BIS/USFDA / European CE Certified with 4 digit notified body number or American ETL/American UL listed so that proper document that establish genuine manufacturer products should only be installed.		
Pg 81 BOQ Para 8	Duplex AGSS System: Supply installation and commissioning of Duplex AGSS system having minimum capacity of 1000 LPM as primary and 1000 LPM as standby	WE CAN PROVIDE 1350 LPM AS PRIMARY AND 1350 LPM AS STANDBY	No change	
8	**DISTRIBUTION PIPING**			
8.1	Piping specifications	We request the Medical Grade Copper Pipe should be BSI Kite Mark and CE Compliance Copper Pipes. Here, Lloyd is 3rd party Inspection Agency whereas Kite Mark product and service quality certification mark is owned and operated by the British Standards (BSI Group). It is a voluntary mark of manufacturers and service industries to demonstrate	No change	

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		safety and reliability. The product has been proven to meet the agreed high standard. We therefore request Copper Pipe should be BSI Kite Mark and CE Compliance.		
11.1	**Master Alarm (Digital)**			
Pg 59	It should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO or CDSCO product registration(incase of Class A Devices) for the quoted model and copy of valid license/registration should be submitted.	It should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO/ ISO:13485. We wish to inform that CDSCO product registration can be done very easily. Mere registration of product does not prove that the manufacture is actually manufacturing the items. Whereas Licence is a proper document issued by CDSCO Licensing Authority to the manufacturer for Manufacturing of particular items. We request, the product should have proper CDSCO State	It Should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO for the quoted model and **copy of valid license should be submitted in line with the prevailing rules/guidelines/circular from CDSCO**	For clarity in the specification

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		Licencing Authority/Central Licencing Authority valid licence for such Product to be marketed, distributed, sold for all the mentioned items or it should be BIS/USFDA / European CE Certified with 4 digit notified body number or American ETL/American UL listed so that proper document that establish genuine manufacturer products should only be installed.		
18	**CARBON DIOXIDE SYSTEM**			
Pg 62	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 have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO or CDSCO product registration(incase of Class A Devices) for the quoted model and copy of valid license/registration should be submitted.	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 have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO/ ISO:13485.	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 have import/manufacturing license from Central	For clarity in the specification

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Tender spec Para	**TENDER SPECIFICATION**	**REPRESENTATION RECEIVED FROM THE FIRMS**	**COMMITTEE RECOMMENDATION**	**JUSTIFICATION**
		We wish to inform that CDSCO product registration can be done very easily. Mere registration of product does not prove that the manufacture is actually manufacturing the items. Whereas Licence is a proper document issued by CDSCO Licensing Authority to the manufacturer for Manufacturing of particular items. We request, the product should have proper CDSCO State Licencing Authority/Central Licencing Authority valid licence for such Product to be marketed, distributed, sold for all the mentioned items or it should be BIS/USFDA / European CE Certified with 4 digit notified body number or American ETL/American UL listed so that proper document that establish genuine manufacturer products should only be installed.	licensing Authority or State licensing authority of CDSCO and **copy of valid license should be submitted in line with the prevailing rules/guidelines/circular from CDSCO**	

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Pg 63	**Part B: MOT (MODULAR OPERATION THEATRE)**			
	RESPONSIBILITY OF BIDDER			
b	Bidder shall execute all required modification in civil, electrical and peripheral lighting, plumbing, air-conditioning system (Ducting inside the OT), demolition and other works as may be required for complete installation and trouble-free functioning of the operation theatres as a part of the 'Site Modification'.	MODIFICATION REQUIRED FOR SYSTEM WILL COST EXTRA AT ACTUAL AFTER SITE VISIT.	No change	
e	Bidder shall be responsible for installation and commissioning of other medical equipment (like Integration Equipment, Monitors, Etc) in coordination with hospital authorities and EA.	INSTALLATION AND COMMISSIONING OF MEDICAL EQUIPMENT WILL COST EXTRA AT ACTUAL	No change	Quote as per the technical specification & BOQ
f	The bidder should provide UPS power supply to all OTs (If UPS is in the scope of MOT bidder) and dedicated Chemical earthing for MOTs should be done as per CPWD standard is responsibility of bidder (Saperate price should be quoted for earthing per MOT, if not mentioned it will be preassumed that inclusive in the offer)	MAIN POWER REQUIRED FOR UPS POWER SUPPLY SHOULD BE PROVIDE BY HOSPITAL UPTO UPS SYSTEM LOCATION.	No change	Main power will be provided by the Hospital
g	Bidder shall be responsible for free maintenance of modular operation	1 YEAR WARRNTY WILL PROVIDE.	No change	

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Tender spec Para	**TENDER SPECIFICATION**	**REPRESENTATION RECEIVED FROM THE FIRMS**	**COMMITTEE RECOMMENDATION**	**JUSTIFICATION**
	theatres during warranty period inclusive of all consumables and filters			
i	Bidder shall be responsible for maintaining suitable air conditioning inside the operation theatre (Ducting inside the OT & Interconnection). Setting and monitoring of temperature and RH should be in the scope of the bidder. The control cabling from AHU to OT control panel & associated sensors should be provided by the bidder for controlling temperature & RH. (Necessary coordination with HVAC vendor to be done by the bidder)	As the AHU is in the scope of AHU vendor, we request we cannot control the AHU. We can only On/Off in the control panel. Temperature up/down, Humidity control, its configuration can only be controlled/done by HVAC vendor and not MOT Vendor. This is requested so that the load should not come on MOT control panel. AHU is controlled by BMS system, it is requested, option of additional controller should be provided. This responsibility should be de-scoped from MOT vendor. MAIN 3 PHASE POWER SUPPLY SHOULD BE PROVIDE BY HOSPITAL UPTO OUR HVAC CONTROL PANEL LOCATION. LATER AHU TO SURGEON PANEL, OUTDOOR AND ACCESSORIES CABLING WILL BE COMPLETE BIDDER SCOPE OF	No change	

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Tender spec Para	**TENDER SPECIFICATION**	**REPRESENTATION RECEIVED FROM THE FIRMS**	**COMMITTEE RECOMMENDATION**	**JUSTIFICATION**
		WORK.		
j	Bidder should provide factory test certificates for the material user for the construction of modular theatres	FOLLOWING MATERIAL TC WILL BE SUBMIT BLOWER, MOTOR, COIL, AIR FILTERS, DAMPERS, DUCT SHEET ,METAL MOC ,PUFF CHEMICAL, PUFF PANEL SHEET, VINYL FLOORING, HEPA ETC.	No change	
m	Final electrical safety test, system test, and calibration should be done as per international standard by authorized persons using calibrated test equipment and declaration should be submitted by the vendor.	ELECTRICAL TESTING WILL BE DONE BY AUTHORISED ELECTRICAL VENDOR	No change	
r	Bidder should be responsible for level floor up to 60mm and MOT floor should match the corridor floor after final finish.	MODIFICATION REQUIRED IN FLOORING WILL COST EXTRA AT ACTUAL AFTER SITE VISIT.	No change	
	Responsibility of the Consignee			
Pg 64 Para 2	Institute will provide UPS room preferably on same OT floor or If it is elsewhere the necessary power cables from UPS room to each OT (load capacity of approx 10-15kVA) to be provided by the institute	Kindly be noted that Tender Document Page No 64 point No 2 is contradicting with Tender Document Page No 74 Point No 19.6. In case of scope of wiring for UPS room to all floors (OT's) shall be done by the	No change	

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		Institute/Client Hence request you the requirement mentioned in Tender Document Page No 74 Online UPS; Clause 19.6 "but wiring from UPS room to all floor should be done by bidder only" shall be removed		
Para 4	Institute will provide temporary storage for storing of raw materials of MOT system during installation period and the security of the store is the responsibility of MOT vendor	LOCKABLE SPACE SHOULD BE PROVIODE BY HOSPITAL UPTO FINAL SUBMISSION.	No change	
Para 5	Institute will provide working electrical power supply for installation to MOT vendor (On chargable basis as per institute norms or bidder has to make their own arrangements)	HOSPITAL NEEDS TO PROVIDE AT INSTALLATION SITE SINGLE PHASE POWER SUPPLY WITHOUT ANY CHARGE.	No change	
	SCOPE OF WORK			
	The “Site Modification” work includes all modifications to the built up space provided at the hospital site including Installation of Medical Equipment, Communication Systems, civil modifications, electrical works, plumbing works, interior decoration, air conditioning	NEED TO PROVIDE OT FLOOR LAYOUT FOR PREPARING ACCURATE BOQ OR ELSE NEED TO DO SITE VISIT FOR ACUAL BOQ BEFORE PREBID.	No change	Will provide the floor layout

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	ducting and other related works of the Operation Theatre required for the smooth and efficient functioning of the centre. These works shall comply with all relevant safety and standards guidelines. The vendor is fully responsible for installation and commissioning of all equipment mentioned in the tender. Bidders are strongly advised to visit the site for assessment before the submission of tender offer.			
1	**WALL PANELING SYSTEM**			
1.13	The wall panels should be CE/UL Listed/BIS/DIN 1.4301 certified (Not Applicable in case of SMS Option)	WE CAN PROVIDE MATERIAL TEST CERTIFICATE, AS WE DON'T HAVE ANY MENTIONED CERTIFICATE, OUR FIRM IS ISO 9001:2015 CERTIFIED	No change	
2	**CEILING PANELING SYSTEM**			
2.6	The ceiling material should be CE/ UL/BIS /DIN 1.4301 certified (Not Applicable in case of SMS Option)	WE CAN PROVIDE MATERIAL TEST CERTIFICATE, AS WE DON'T HAVE ANY MENTIONED CERTIFICATE, OUR FIRM IS ISO 9001:2015 CERTIFIED	No change	
3	**LAMINAR AIR FLOW SYSTEM**			
3.9	Size of laminar airflow system minimum 8 feet X 8 feet or more	AHU CAPACITY NEED TO PROVIDE BY HOSPITAL	No change	

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3.1	Should be CE certified.	WE CAN PROVIDE MATERIAL TEST CERTIFICATE, AS WE DON'T HAVE ANY MENTIONED CERTIFICATE, OUR FIRM IS ISO 9001:2015 CERTIFIED	No change	
4	**Internal HVAC Ducting & Exhaust System**			
4.7	Designed flow rate should not be less than 1000 m3/hr. Distribution of exhaust air volume should be divided between fluff strainers to maintain the required pressure within the theatre without causing turbulence.	IT IS A PART OF HVAC VENDOR NOT IN ROYAL AIRCON SCOPE. TECHNICAL SUPPORT REQUIRED FROM HVAC VENDOR FOR INSTALLATION OF EXHAUST GRILLS.	No change	
6	**HERMETICALLY SEALED DOORS**	LAYOUT REQUIRED FOR OT DOORS LOCATION ACCORDINGLY.	No change	Will provide the floor layout
14.1	**Double arm moveable Pendant for Anesthetist**			
e	The pendant should be European CE Certified with 4digit notified body number or US FDA or BIS approved.	PENDANT IS CE CERTIFIED BUT NOT EUROPEAN CE CERTIFIED NOT EVEN (USFDA & BIS) APPROVED.	No change	
h	Double arm pendant anesthesiologist : Each pendant should be supplied with outlets and probes as mentioned below	ALL REQUIRED MEDICAL GAS PIPELINS SHOULD BE PROVIDE UPTO IN FRONT OF EACH OT LATER WE WILL ERECT AS PER PENDANT LOCATIONS.	No change	

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14.2	**Double arm moveable Pendant for Surgeon**			
e	The pendant should be BIS or European CE Certified with 4digit notified body number or US FDA under Medical Devices Directive.	PENDANT IS CE CERTIFIED BUT NOT EUROPEAN CE CERTIFIED NOT EVEN (USFDA & BIS) APPROVED.	No change	
16	**ELECTRICAL INSTALLATIONS**			
16.1	Power distribution within the OT should be provided from distribution boards located local to each theatre. Sub mains power to these panels should be by the general electrical contractor. From these panels all distribution services within the departments should be run. Isolated power supply, insulation measuring and protection as per IEC standards should be provided. This unit should be EN/CE/UL/FDA/IEC/BIS certified.	3/1 PHASEPOWER SUPPLY SHOULD BE PROVIDE UPTO MAIN POWER DB PANEL LATER MY CABLING WILL BE DISTRIBUTED TO EACH SEPARATE OT DISTRIBUTION BOARD. LOCATION OF OT DB WILL BE JUST NEXT TO EACH OT FOR EASE OF MAINTANANCE. NO CERTIFICATION WILL PROVIDE FOR POWER DB.	No change	
17	**DISTRIBUTION BOARD**			
17.1	All high voltage equipment should be installed in a separate enclosure. Bidder should provide Two DB for each MOT should be installed with suitable wiring(one DB dedicated for UPS power suppiles and Other for Raw power supplies to MOT equipments)	NEED TO PROVIDE OT EQUIPMENT (OTHER THAN MY SCOPE) ELECTRICAL LOAD FROM HOSPITAL TO DESIGN EXACT CAPACITY OF ELECTRICAL PANEL.	No change	

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19	**Online UPS**			
19.6	Per MOT UPS load should be provided minimum 10 KVA with 20 KVA backup for all OTs and redundancy (n+2) should switch automatically. The battery bank may be common for UPS. For eg. If there are 8 MoT, the USP should be 10KVA x 8 and 20KVA as standby, total 80 KVA + 20KVA and battery bank may be common, also if MOTS are in 2 places like, 4 MOT at 4th floor and 4 MOT at 3rd floor, in this case bidder has to provide 4x 10KVA +20KVA and 4x10KVA+20KVA or bidder may offer 10 KVA x 8 +20KVA but wiring from UPS room to all floor should be done by bidder only	Kindly be noted that Tender Document Page No 64 point No 2 is contradicting with Tender Document Page No 74 Point No 19.6. In case of scope of wiring for UPS room to all floors (OT's) shall be done by the Institute/Client Hence request you the requirement mentioned in Tender Document Page No 74 Online UPS; Clause 19.6 "but wiring from UPS room to all floor should be done by bidder only" shall be removed	No change	
21	**Site Modification**			
21.1	Any minor demolition , reconstruction, water proofing, necessary plumbing, anti-microbial painting, replacement of any door or windows to provide structured design within the OT area for modular OT should be carried out by the bidder for successful installation and commissioning	ANY CIVIL MODIFICATION REQUIRED FOR ERECTION OF LINE WILL BE COST EXTRA AT ACTUAL AFTER SITE INSPECTION.	No change	Please visit the site and quote accordingly

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	of MOT.			
22.4	**Recording system to be offered separately**			
a	Recording system to be offered separately. Recording system should be full HD medical grade monitor LCD minimum 19" touch screen and having the one TB storage space.	WILL SUPPLY SEPARATE RECORDING SYSTEM BUT IT DOES NOT HAVE 19" TOUCH SCREEN	No change	

Note:

(i) Price Bid format v1.0 for this tender was uploaded on CPP Portal. The same need to be downloaded for submission.
(ii) TC Compliance Sheet v1.0 for this tender was uploaded on CPP Portal. The same need to be downloaded for submission.
(iii) Prospective Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids.
(iv) All other contents of the tender enquiry including terms & conditions remain unaltered.
(v) EMD should be valid up to 775 days or more from the date of submission.