

All Bidders**Amendment -IV**

Project: Supply, Installation, Testing & Commissioning of Modular Operation Theatres for Hospital Block at All India Institute of Medical Sciences (AIIMS), Nagpur

IFB No.HSCC/SES/MOT/AIIMS/Nagpur/2019 Date : 13.06.2019

This has reference to above IFB.

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>PERIPHERAL LIGHTING AND CLEANROOM LUMINAIRES</p> <p>a. Luminaries cover should be made of highly resistant, disinfectant proof laminated safety glass with stylish fine grained surface, glass pane with white coated steel frame.</p> <p>Request for amendment</p> <p>Luminaries cover shall be made of polycarbonate diffuser instead of Safety glass and non-hygroscopic VHB gasket to ensure dust proofing. You are requested to kindly amend the same and mention "Luminaries cover should be made of highly resistant, disinfectant proof laminated safety glass / polycarbonate diffuser with stylish fine grained surface, glass pane with white coated steel frame".</p> <p>f. Size of Peripheral Light shall be 2' x 2' or 3' x 1'</p> <p>Request for amendment</p> <p>Size of Peripheral Light mentioned in the tender is not accurate. It should be 581mm x 581mm. Kindly amend the same accordingly.</p>	<p>Luminaries cover should be made of highly resistant, disinfectant proof laminated safety glass / polycarbonate diffuser with stylish fine grained surface, glass pane with white coated steel frame.</p> <p>f. Size of Peripheral Light shall be 2' x 2' or 3' x 1' or 581mm x 581mm</p>
2	<p>TOUCH SCREEN CONTROL PANEL</p>	

	<p>As per Amendment No. II, Dated: 15.07.2019, at Sr. No.13 and 45 – you have mentioned that Touch Screen Control should be BIS / European CE Certified with notified 4 digit body no. / UL Listed, however at Sr. No.29 you have mentioned that it should be BIS / UL / European CE.</p> <p>Request for amendment</p> <p>Please clarify the same. Ideally it should be BIS / UL / European CE Declaration of Conformity since Touch Screen control panels are class 1 device, hence it can't be European CE Marked with 4 digit notified body number. You are requested to kindly amend the same accordingly.</p> <p>h] Temperature and humidity control for the room connected to the AHU. (Adjustable from the panel) The controller should be capable of adjusting the temp adjustment of +/- 5 Deg with in 5Minutes wherever separate AHU is provided for each OT".</p> <p>Request for amendment</p> <p>Kindly add "Temperature and Humidity control shall be provided by MOT Vendor but wiring for the same from AHU to inside OT shall be provided by Institute". Kindly add this point in the technical specifications of tender.</p>	<p>BIS / US FDA/ UL / European CE/ETL</p> <p>h] Tender terms & conditions prevail.</p>
3	<p>X-Ray Film Viewer</p> <p>Point No. c) - Total 2 Nos Panels. Each panel should be able to illuminate films up to 14"x17" size. It may be One integrated wall Panel or adjacent.</p> <p>Request for amendment</p> <p>Please clarify and confirm, if you require a 2 Plate or 3 Plate X-ray Viewer. Kindly clarify the same.</p> <p>As per standard recommendations, size of X-ray Viewer should be 940mm x 640mm. Kindly mention the same in the technical specifications of tender.</p>	<p>2 Plate X-Ray Viewer</p> <p>Tender terms and conditions prevail</p>
4	<p>STORAGE UNIT</p> <p>Point No. a) - The Storage unit should be made with minimum 0.8-1.0 mm thick stainless steel panels and should be with same finish of OT walls.</p> <p>Request for amendment</p> <p>Please note that the Wall and Ceiling Panels asked</p>	<p>Storage Unit shall be of SMS</p>

	<p>in the tender is of SMS Material, while the Storage unit shall be made of SS 304 Material, hence the line stating “should be with same finish of OT walls” is not applicable and must be deleted from tender technical specifications. You are requested to kindly delete it.</p> <p>b. The shelves should be of SS 304 with 2 or more. 25 mm dia holes on each shelf for air circulation inside the storage unit and removable for cleaning.</p> <p>Request for amendment</p> <p>1) It is mentioned that the Shelves should have 2 or more 25 mm dia holes on each shelf for air circulation inside the storage unit. Please note that this is a company specific line and not a standard recommendation. We therefore request you to kindly delete company specific line from tender technical specifications.</p> <p>2) Please note that the shelves inside the Storage unit are of fixed type and are not removable for cleaning. Hence we request you to kindly delete the line stating “removable for cleaning” from the tender technical specifications.</p> <p>c. The storage unit should be divided 2 or more parts and each part should have individual glass doors. Each glass door shall be with 6mm dia 2 or more holes on each halve of storage unit.</p> <p>Request for amendment</p> <p>You are requested to kindly delete company specific lines from tender technical specifications, i.e “and each part should have individual glass doors.Each glass door shall be with 6mm dia 2 or more holes on each halve of storage unit.</p>	<p>/SS-304 material.</p> <p>1] Provision of air circulation is to be provided by the contractor inside storage cabinet to prevent microbial growth.</p> <p>2] Deleted</p> <p>Provision of air circulation is to be provided by the contractor inside storage cabinet to prevent microbial growth.</p>
5	<p>HERMETICALLY SEALED DOORS</p> <p>Point No. H) Door opening handle should be strong and sturdy. Material should be of SS</p> <p>Request for amendment</p> <p>Kindly amend and mention Door handle shall be made of SS / Aluminum.</p>	<p>Tender terms and conditions prevail</p>
6	<p>VIEW WINDOW (1.5m x 1m and 2m x 1.5m)</p>	

	<p>Request for amendment</p> <p>The size of View window mentioned in tender is specific to one company. Kindly amend the same as follows:</p> <p>1500 x 1000 mm 2000 x 1500 mm 1200 x 1000 mm etc.</p> <p>Point No. d The window blinds should be operated with Remote Control and manually.</p> <p>Request for amendment</p> <p>Window blind can be operated with either remote control or manual operations. Kindly amend and mention Remote Control / Manual operation. Kindly amend the line to "The window blinds should be operated with Remote Control / manually".</p>	<p>Size of window shall be 1500 x 1000 mm / 2000 x 1500 mm / 1200 x 1000 mm</p> <p>The window blinds should be operated with Remote Control / manually".</p>
7	<p>ONLINE CENTRAL UPS</p> <p>It is mentioned that incase OT's are at different floor, then No. of UPS and standby for each floor or UPS wiring till OT will be in the scope of bidder.</p> <p>Request for amendment</p> <p>We request you to kindly provide OT Complex Drawing with OT Room and UPS Room marking in the drawings to enable us to quote as per your requirement. Since online UPS is very costly equipment, hence indicative rates can't be quoted in tender based on assumptions.</p>	<p>Tender terms and conditions prevail</p>
8	<p>Manufacturer Authorization</p> <p>Laminar Air Flow System</p> <p>Request for amendment</p> <p>Since you had asked for specific Authorization for Laminar Air Flow System, please clarify, if you require indigenous or imported equipment.</p>	<p>Tender terms and conditions prevail</p>
9.	<p>Clause 15 (C)</p> <p>The Contractor must fill up price in Indian Rupees against each item of BOQ (Volume V) online both in words and figures in the blank spaces provided in the respective columns.</p> <p>Request that imported items be allowed to be quoted in Euro/US Dollar and payment</p>	<p>Tender terms and conditions prevail</p>

	through Letter of Credit be allowed. This will greatly reduce our financial stress	
10	<p>WALL PANELING SYSTEM & CEILING PANELING SYSTEM</p> <p>Wall and ceiling system, Sub frame and Sealing Gaskets must be of same manufacturer</p> <p>We request you to include principal company as well and amend as "Wall and ceiling system, Sub frame and Sealing Gaskets must be of same manufacturer/ principal company"</p>	Tender terms and conditions prevail
11	<p>ii) Wall panels:</p> <p>f. Reaction to fire class 1 norm</p> <p>We request you to amend as "Reaction to fire class 1 norm or equivalent" since class 1 norms are specific to certain countries</p>	Tender terms and conditions prevail
12	<p>Amendment II. point 44</p> <p>The certificate of the product should be BIS/European CE Certified with notified 4 digit body no./UL listed</p> <p>Kindly delete this point as this is valid for only medical equipment Wall panels are not classified as medical equipment</p>	Tender terms and conditions prevail
13	<p>18 HD LED FLAT PANEL MEDICAL GRADE MONITORd)</p> <p>-HD Flat Panel Monitor should be done according to IP 54 regulations.</p> <p>-ESG Safety Glass Cover is must to protect the Monitor Screen from breakage and for additional Safety of Patient.</p> <p>-Video Connectors on the back side of Monitor is to be hide by Cover of Aluminum from the Back side of Monitor.</p> <p>Request for Highlighted points are specific to a particular manufacturer hence request you to delete these points. This is restricting participation of other companies/ suppliers. Moreover, these points have no added advantage over the functionality and the utility of the equipment</p>	Tender terms and conditions prevail
14	<p>18B RECORDING SYSTEM</p> <p>Recording system should be integrated streaming</p>	

	<p>with streaming.</p> <p>Request you to provide more clarity on this point since the sentence is vague.</p> <p>h) ESG Safety Glass Cover is must to protect the Monitor Screen from breakage and for Additional Safety of Patient.</p> <p>n) Recording system should be done according to IP 54 regulations.</p> <p>Request for Highlighted points are specific to a particular manufacturer hence request you to delete these points. This is restricting participation of other companies/ suppliers. Moreover, these points have no added advantage over the functionality and the utility of the equipment</p>	<p>Tender terms and conditions prevail</p> <p>Tender terms and conditions prevail</p>
15	<p>18C MONITOR — DIGITAL DISPLAY (PACS/HMIS)</p> <p>HD Flat Panel Monitor should be done according to IP 54 regulations.</p> <p>ESG Safety Glass Cover shall be used to protect the Monitor Screen from breakage and for additional Safety of Patient.</p> <p>i) Video Connectors on the back side of Monitor is to be hide by Cover of Aluminium from the</p> <p>Request for Highlighted points are specific to a particular manufacturer hence request you to delete these points. This is restricting participation of other companies/ suppliers. Moreover, these points have no added advantage over the functionality and the utility of the equipment</p>	<p>Tender terms and conditions prevail</p>
16	<p>19. PENDANTS FOR ANESTHETIST AND SURGEON</p> <p>m) Shelf of Pendant should be made of High-quality Bio- Clean Material</p> <p>Request you clarify the meaning of Bio- Clean material. This point since it is specific to a particular company. This is restricting participation of other companies/suppliers. Pendants manufactured by most companies are cleanable with hospital disinfectants</p>	<p>Tender terms and conditions prevail</p>
17	<p>n) Pendant should have Anti- microbial Coating.</p>	

	Request you to delete this point since it is specific to certain company. This is restricting participation of other companies/suppliers. Pendants manufactured by most companies are cleanable with hospital disinfectants	Anti- microbial Coating /Powder coating
18	<p>21. Isolation transformer</p> <p>Isolation Panel System of minimum 20 KVA should be provided for every operation theatre which ensures the safety of staff and patient. System should have isolators provided through leakage relays etc. (If required) according to IEC recommendation. This unit should be EN/CE/UL/BIS/FDA/IEC certified. These systems are to be commissioned by specialists.</p> <p>IEC regulations are valid up to 10 KVA only. As per your requirement of 20 KVA, 2 nos. of 10 KVA system must be installed.</p> <p>Request you to clarify whether space is available for accommodating 2 nos.</p>	Tender terms and conditions prevail
19	<p>The bid submission date is extended from 12.07.2019 to 19.07.2019</p> <p>Request you to extend the deadline by another week to 26th July 2019</p>	Tender terms and conditions prevail

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Volume-I, Page no. 3, Period of Completion

Our Request: As per Amendment-II, the completion is changed to 7 months. However, this period is not sufficient for any bidder to accomplish the quantum of work as per

tender. If any bidder gets all the 3 big Tenders namely AIIMS Nagpur, AIIMS Kalyani & AIIMS Nagpur, Sir it is not possible to complete all the 3 projects within 7 months

time and not only these 3 big tenders, bidders always has other projects also which need to be completed in the stipulated time frame. Even if a bidder deploy more manpower, practically it is not possible.

Taking into consideration the above factors, we sincerely request you to kindly extend the Period of Completion to 11 months.

Tender terms and conditions prevail

<p>21</p>	<p>1- <u>Volume IV, Technical Specifications: Page 17, Manufacturer Authorization</u></p> <ol style="list-style-type: none"> 1. OT Light with HD Camera 2. HD Flat Panel Monitor 3. Pendants for Anesthetist and Surgeon 4. Recording System 5. Laminar Air Flow System 6. Wall & Ceiling system (SMS) 7. Touch Screen Control Panel 8. Monitor Digital Display (PACS/HMIS) <p><u>Our Request:</u> We request authorisation letter of important items such as Wall & Ceiling System (SMS), OT Light with HD Camera, Pendant for Anesthetist and Surgeon,</p> <p>Laminar Air Flow and Touch Screen Control Panel should be asked instead of secondary items HD Flat Panel Monitor, Recording System, Monitor Digital Display (PACS/HMIS).</p> <p>We request, Authorisation Letter of HD Flat Panel Monitor, Recording System, Monitor Digital Display (PACS/HMIS) should be deleted.</p>	<p>Tender terms and conditions prevail</p>
<p>22</p>	<p>Taking into the consideration of above factors, we sincerely request you to kindly allow a minimum 14 days' time i.e. upto 1st August 2019 to arrange and submit most suitable competitive price for all the tenders.</p>	<p>Tender terms and conditions prevail</p>
<p>23</p>	<p>We would like to request that the date for uploading the above mention tender should at least be extended by 21 days from the date of uploading of the amendment as this is a very big/huge tender and needs lots of documentation to be arranged from our principal companies which is a time consuming process and requires time.</p>	<p>Tender terms & conditions prevail.</p>
<p>24</p>	<p>The area taken for Wall and ceiling of the OT is on the higher side. Normally the area for one Modular Operation Theatre is approx. 105-110 sqmts where as in the BOQ it is around 162 sqmts which is on the higher side. Similarly the flooring area is on the higher side, normally the flooring area of an MOT is approx 35 sqmts where as in the BOQ of this tender it is around 69 sqmts which is also on the</p>	<p>Tender terms and conditions prevail</p>

	higher side. By reducing both Wall & Ceiling and Flooring areas, there will be a change in the budget of this tender.	
25	In your amendment no 2, point no 13, Touch screen control panel, it is amended that Certification should be BIS/European CE Certified with notified 4 digit body no. / UL Listed. Our submission is that no Indian company has BIS certification for this product and also it does not fall under this category, So it BIS be amended to CE/ISO.	Tender terms and conditions prevail

Revised BOQ is attached.

All other terms & conditions remain unchanged.

Sr. Chief General Manager -I, HSCC (I) Ltd.
For and behalf of Director, AIIMS, Nagpur

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES
(AIIMS), NAGPUR**

e- Tender

for

**Supply Installation Testing & Commissioning of Modular
Operation Theatre for Hospital Block at All India
Institute of Medical Sciences (AIIMS), Nagpur**

VOLUME – V

Bill of Quantities

JUNE 2019



(Consultants & Engineers for Mega Hospitals & Laboratories)
E - 6 (A), Sector - I, NOIDA (U.P.) - 201 301 (INDIA)

PHONE : 0120-2542436, 2542437 FAX : 0120-2542447
E- mail : www.hsccltd.co.in

Tender No. HSCC/SES/MOT/ AIIMS/Nagpur/2019

BILL OF QUANTITY

Name of Bidder M/s:-

Package- Supply, installation, testing and commissioning of MODULAR OT on turnkey basis with 5 year warranty

Item No.	Description	Unit	Qty	Rate in Fig in Rs.	Rate in Words in Rupees	Amount in Rs.
	2	3	4	5	6	7
1.0	WALL & CEILING SYSTEM (SMS) Complete with all accessories as per tender specification	SQM	4381			0.00
2.0	PVC FLOORING WITH SELF LEVELLING (ANTISTATIC CONDUCTIVE ROLL) Complete with all accessories as per tender specification	SQM	1858			0.00
3.0	LAMINAR AIR FLOW SYSTEM, Complete with all accessories as per tender specification	Nos	27			0.00
4.0	INTERNAL HVAC DUCTING AND EXHAUSTION SYSTEM Complete with all accessories as per tender specification	Nos	27			0.00
5.0	PERIPHERAL LIGHTING AND CLEAN ROOM LUMINARIES Complete with all accessories as per tender specification	Nos	250			0.00
6.0	TOUCH SCREEN CONTROL PANEL Complete with all accessories as per tender specification	Nos	27			0.00
7.0	X-RAY FILM VIEWER Complete with all accessories as per tender specification	Nos	27			0.00
8.0	STORAGE UNIT Complete with all accessories as per tender specification	Nos	27			0.00
9.0	HATCH BOX Complete with all accessories as per technical specification	Nos	27			0.00
10.0	PRESSURE RELIEF DAMPERS Complete with all accessories as per technical specification	Nos	27			0.00
11.0	HERMETICALLY SEALED DOOR (2100 X 1800mm) Complete with all accessories as per technical specification	Nos	27			0.00
11A	HERMETICALLY SEALED DOOR (2100 X 1000mm) Complete with all accessories as per technical specification	Nos	27			0.00
12.0	VIEW WINDOW Complete with all accessories as per technical specification	Nos	27			0.00
13.0	OPERATING LIST BOARD Complete with all accessories as per technical specification	Nos	27			0.00
14.0	SCRUB STATION Complete with all accessories as per technical specification	Nos	27			0.00
15.0	ELECTRICAL INSTALLATION Complete with all accessories as per technical specification	Nos	27			0.00
16.0	DISTRIBUTION BOARD Complete with all accessories as per technical specification	Nos	27			0.00

17.0	SURGICAL OT LIGHT LED WITH B. HD CAMERA Complete with all accessories as per technical specification	Nos	27		0.00
18.0	HD LED FLAT PANEL MEDICAL GRADE MONITOR Complete with all accessories as per technical specification	Nos	27		0.00
18B	RECORDING SYSTEM Complete with all accessories as per technical specification	Nos	23		0.00
18C	MONITOR –DIGITAL DISPLAY (PACS/HMIS) Complete with all accessories as per technical specification	Nos	23		0.00
19.0	PENDANTS FOR ANESTHETIST AND SURGEON				
19A	DOUBLE ARM MOVEABLE PENDANT FOR ANESHTHETIST Complete with all accessories as per technical specification	Nos	27		0.00
19B	DOUBLE ARM MOVEABLE PENDANT FOR SURGEON Complete with all accessories as per technical specification	Nos	27		0.00
20.0	MEDICAL GAS PIPELINE Complete with all accessories as per technical specification	Lot	27		0.00
21.0	ISOLATION TRANSFORMER Complete with all accessories as per technical specification	Nos	27		0.00
22.0	ON LINE CENTRAL UPS Complete with all accessories as per technical specification	Ls	1		0.00
23.0	TURNKEY WORKS	Ls	1		0.00
					SUB TOTAL Rs. 0.00

PART-II						
Sl.No	Description of works	Unit	Qty	Rate in Fig in Rs.	Rate in Words in Rupees	Amount (Rs.) (In Figure)
1	2	3	4	5	6	7
	Comprehensive Maintenance Charges for the complete MODULAR OT appliances including spares, repair or replacement of defective equipments/parts, tools, tackles, accessories, consumables, labour charges etc. with half yearly preventive maintenance complete in all respect after completion of five year Warranty as per the contract.					
	6th Year	Job	27			0.00
	7th Year	Job	27			0.00
	8th Year	Job	27			0.00
	9th Year	Job	27			0.00
	10th Year	Job	27			0.00
					SUB TOTAL Rs.	0.00
SUMMARY OF RATES QUOTED						
	TOTAL (PART-I)					0.00
	TOTAL (PART-II)					0.00
					Grand Total Amount (PART - I + PART - II) (in Figures) Rs.	0.00