

<b>PROPOSED BMC GENERAL HOSPITAL &amp; STAFF QUARTERS</b> <b>On Plot bearing CTS No. 11A/4,Chandivali, Sangharsha Nagar, Kurla 400072</b>		
<b>SUMMARY - MODULAR OT</b>		
<b>Sr. No.</b>	<b>Description</b>	<b>Amount(Rs.)</b>
<b>A)</b>	<b>MODULAR OT</b>	<b>₹ 11,01,07,902.00</b>
	<b>TOTAL</b>	<b>₹ 11,01,07,902.00</b>

**MUNICIPAL CORPORATION OF GREATER MUMBAI**

**PROPOSED BMC GENERAL HOSPITAL & STAFF QUARTERS**

**On Plot bearing CTS No. 11A/4,Chandivali, Sangharsha Nagar, Kurla 400072**

**BILL OF QUANTITIES - MOD OT WORK**

<b>Sr.No.</b>	<b>Item Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate</b>	<b>Qty</b>	<b>Amount</b>
1	KSS-MOT-01	SITC OF Pre-Fab Wall Panel - Stainless Steel Grade 304 Panel : The Pre-fabricated modular construction is designed and constructed for exact size, easy field installation and future disassembly, enlargement, or relocation. The operating room will be constructed from Pre-fabricated Panel of 1.2 mm or more thick Stainless Steel Grade 304 sheets, with a 12 mm thick backing of gypsum board.	Sqmt	15,227.00	250.00	38,06,750.00
2	KSS-MOT-02	SITC OF Substructure Steel Assembly - Substructure elements of 1.5 mm thick GI extending from the finish floor to ceiling slab to make the wall panels free standing. Suitable substructure in GI for mounting wall panels along walls, with cross members to support equipments flush mounted in to the wall panels. Substructure will also have provision for routing electrical wiring and gas Pipeline.	Sqmt	1,848.00	420.00	7,76,160.00
3	KSS-MOT-03	SITC OF Pre-Fab Ceiling- Stainless Steel Grade 304 Panel : The Pre-fabricated modular construction is designed and constructed for exact size, easy field installation and future disassembly, enlargement, or relocation. The operating room ceiling will be constructed from Pre-fabricated Panel of 1.2 mm or more thick Stainless Steel Grade 304 sheets, with a 12 mm thick backing of gypsum board. Suitable grid structure suspended from the ceiling slab should be provided to support the ceiling panels to the required height, and also provide for easy routing of electrical conduits, gas pipelines and bio air-conditioning ducts.	Sqmt	5,016.00	500.00	25,08,000.00

4	KSS-MOT-04	SITC OF Antimicrobial Coating: Filling of all Joints and cavities with metallic Epoxy Filler and Sanded Flush to provide a jointless finish and then sprayed with a water based liquid plastic aseptic and self setilizing wall coating system to a d.f.t. of 300microns with primer.	Sqmt	5,016.00	750.00	37,62,000.00
5	KSS-MOT-05	SITC OF Antistatic Conductive/ Dissipative Flooring: Seamless with perfectly curved flush-covings, resistance to mechanical stresses and dynamic loads and having conductive protection characteristics, 2 mm thick, washable	Sqmt	6,807.00	550.00	37,43,850.00
6	KSS-MOT-06	SITC OF PACS RETRIVAL SYSTEM : Recess mounted digital image viewing station designed for use in OT, which can work independently, or with PACS of Radiology department, with 40inch DICOM monitor, medical grade keyboard, touch pad. Integrated hardware with minimum i5 or latest one processor, with suitable RAM, HDD and Windows operating system prevalent at the time of installation.	Nos.	12,27,093.00	11.00	1,34,98,023.00
7	KSS-MOT-07	SITC OF Surgeon Control Panel membrane type, mounted flush in the theatre wall, comprising of the following: 1 No. Day Time Clock 1 No. Elapse Time Clock 1 Set dimmer for peripheral/ planairlights 1 No. hands free telephone 1 No. Medical Gas status/ alarm 1 No. HEPA status/ alarm 1 set indicator only forttemperature and humidity display Size - 650X 650 X 115 m	Nos.	3,31,405.00	11.00	36,45,455.00

8	KSS-MOT-08	SITC OF Unidirectional Laminar Air Flow Plenum Ceiling - constructed out of 1.2 mm thick SS 304 sheet of size 2800 X 2800 mm having 8 nos of hepa filters. The hepa filters having dust spot efficiency of 99.99% 0.3 micron. Air & Light diffuser made of mono filament precision woven polyester forthe plan air ceiling to give a "LAMINAR FLOW" of filtered air. It also provides a diffused shadow less lighting system with Intensity control.	Nos.	14,33,099.00	3.00	42,99,297.00
9	KSS-MOT-09	SITC OF Two Plate X-Ray Viewing Screen designed to provide a high level of control luminance without flicker.Size - 950 X 650 X 115 mm	Nos.	62,699.00	11.00	6,89,689.00
10	KSS-MOT-10	SITC OF Cascade Pressure Stabilizer having multi 304 graded stainless steel blades to control room air pressure Size - 305 X 335 mm	Nos.	62,699.00	11.00	6,89,689.00
11	KSS-MOT-11	SITC OF Storage Unit having two shelves and made out of Stainless steel of grade SS304, having 5 mm thick glass door and mounted flush with the theatre wall and anti microbial coated	Nos.	1,52,266.00	6.00	9,13,596.00
12	KSS-MOT-12	SITC OF Writing Board (Size 950 mm x 650 mm) Flush mounted with wall panel surface	Nos.	18,809.00	11.00	2,06,899.00
13	RSG18-MOT-FA-67	SITC OF View Window - Double insulated fixed glazing with not less than 5mm thick toughened glass. Window frame is powder coated of aluminium flush mounted with operation theatre wall having motorize curtain blinders as sandwiched between two glasses (Size:900 X 1200 mm)	Nos.	2,02,034.40	5.00	10,10,172.00
14	KSS-MOT-13	SITC OF Hermetically Sealing type of Manual Sliding / Swing Door having thickness of min 40mm of size 1500 X 2100 mm single / dual leaf with PUF core sandwiched between Antimicrobial High Pressure laminates ( HPL ), with viewing window of size 300 X 300 mm. The doorleafs hung on extruded heavy duty aluminium alloy extrusion Doorframe for single side swing Doors, Sliding Doorleafs runs on (nylon wheels) within an extruded heavy duty aluminium alloy extrusion track / frames, for smooth effortless sliding with the help of handle.	Nos.	3,13,491.00	8.00	25,07,928.00

15	KSS-MOT-14	SITC OF Microprocessor based Electronic Automation (Operator ) for Manual Doorfor controlling the direction of movements, the acceleration and speed of the door, with a lownoise level pulse generator motor. It includes a photocell for user's safety. (For sliding door)	Nos.	3,31,405.00	11.00	36,45,455.00
16	KSS-MOT-15	SITC OF Radar Hand Switch	Nos.	18,809.00	11.00	2,06,899.00
17	KSS-MOT-16	SITC OF Foot Switch	Nos.	18,809.00	11.00	2,06,899.00
18	KSS-MOT-17	SITC OF Electrical wiring and conduiting inside OT from electrical Distribution Board located Inside OT complex.	Lot	2,68,706.00	11.00	29,55,766.00
19	KSS-MOT-18	SITC OF HVAC-Ducting inside OT's Aluminium ducting with 22 Gauge Sheet including all fixtures and accessories, Insulation with min 19 mm thick polypropylene insulation for supply duct and min 13 mm thick for return air ducts.	Lot	4,47,844.00	3.00	13,43,532.00
20	KSS-MOT-19	SITC OF Return air grill made out of 1.5 mm thick Stainless Steel Grade 304 sheet/aluminium powder coated, with damper for return air riser and should be placed at four corners of the OT	Set	62,699.00	11.00	6,89,689.00
21	KSS-MOT-20	SITC OF Medical Gas Pipeline inside OT Compriseing of Cooper pipe 15mm Diameter 0.7 and 22mm Diameter 0.9, Pressure transducers , NIST Connectors,etc	Lot	2,68,706.00	3.00	8,06,118.00
22	KSS-MOT-21	SITC OF LED Peripheral Lights : Recess mounted IP54 Protocol, Non hygroscopic Peripheral Lights having power LED elements with suitable electronic driver and controls. The Peripheral light diffuseris fixed in powder coated aluminium frame. (Size: 1000/1200 X 230 mm)	Nos.	26,870.00	88.00	23,64,560.00

23	KSS-MOT-22	SITC OF 2- Bay Scrub Sink, with Infrared Photo sensor, Digital Timer with user defined Time interval 1,3,5 and 10 minutes,1 no. mixture valve and 1 nos. solenoid valves along with Manual Option Foot Operated mechanism/ Foot switch. Anti-splash metal body construction made of Stainless Steel Grade 304 polished finished. The Scrub Sink is provided with front access panel for ease of maintenance and repairs. 1 – Position size 1600 mm long	Nos.	3,13,491.00	9.00	28,21,419.00
24	KSS-MOT-23	SITC OF LED Double Dome OT Light with Ceiling mounted Double Dome LED OT lights having following features. - Light intensity Ec - 160 000 & 130 000 lux, - Light intensity adjustment - 5 – 100% -Colortemperature Tc (with adjustment) - 3700 – 5000 K - Light field diameter d10 at Ec - 180 - 400 mm - Working range - 700 - 1400 mm - Color rendering index [Ra(1-8)] - > 93 ( > 95)* -Power supply - 90 – 250 V AC -Power consumption - 80 - 110W	Nos.	28,95,902.00	3.00	86,87,706.00
25	KSS-MOT-24	SITC OF Anesthesia Pendant - Double Arm Imported - Supply & Installation of Double Arm Anesthesia Pendant, with 800 + 800 mm long movable arm, movable by 330°. Having weight carrying capacity of approximately 80Kg, Six Electrical Sockets 5/15 ampere & Data Point, one adjustable monitor shelf, one fixed shelf with drawer and 6 nos. of Gas Outlets .	Nos.	17,01,807.00	8.00	1,36,14,456.00
26	KSS-MOT-25	SITC OF Surgeon Pendant - Double Arm Imported - Supply & Installation of Double Arm Surgeon Pendant with 800 + 800 mm long arm having weight carrying capacity of 150Kg, movable by 330°, Six Electrical Sockets 5/15 ampere & Data Point, Two adjustable monitor shelves, one fixed shelf with drawer and 6 nos. of Gas Outlets	Nos.	17,01,807.00	8.00	1,36,14,456.00

27	RBH18-MOT-FA-82	SITC OF Graphic Glass Panel: Graphic panel made of sandwich glasses having Graphic/image of choice ,4 nos Glass panel's having 1000 mm width and height as per the wall panel	Set	8,08,138.80	3.00	24,24,416.40
28	KSS-MOT-26	SITC OF INTEGRATED CONTROL SYSTEM have open construction / architecture enables integration of the equipment and devices, can be controlled by the system using touch panel or PC, which presents the visual interfaces of the devices. The operator from one place has the possibility to control devices, equipment, & Optional transmission, recording and displaying of the video signal (HD or SD). The operator have access to the hospital information system that stores information about patients. INTEGRATED Control features; OPERATING TABLES INTEGRATED CONTROL SYSTEM Enables remote control of the operating tables in operating block (OT). It can control all electro- hydraulic functional movements of the table	Nos.	22,39,220.00	3.00	67,17,660.00
		LIGHTING INTEGRATED CONTROL SYSTEM Enables control of Surgical lights installed in the operating theatre. Panel can control Single or Double head operating light. Enables to adjust intensity, colour temperature and ENDO function during miniinvasive surgeries, of each light head. The intensity of peripheral lights also can be adjusted. AIR-CONDITIONING SYSTEM INTEGRATED CONTROL SYSTEM System enables control / Display of air-conditioning parameters and Display the level HEPA filters.CAMERAS INTEGRATED CONTROL SYSTEM allows control of the overview cameras in the room and placed in the operating light head. The panel can control the overview camera settings, image zoom and image preview. Panel of camera in the light head can control zoom and rotation and preview of images.				

		<p>MONITORS</p> <p>Medical monitors integrated with wall panels and mounted on operating lights arms. OPTIONAL MANAGEMENT OF AUDIO-VIDEO SIGNAL AND ACCESS TO THE INFORMATION SYSTEM INTEGRATED</p> <p>CONTROL SYSTEM enables to choose, save, preview, play and stop of the signal from cameras. The signal is recorded as per DICOM standard. INTEGRATED allows access to the hospital information system that stores information about patients (PACS HIS)</p>				
29	KSS-MOT-27	<p>SITC OF Hermetically High Pressure Sealed LEAD LINE Sliding door made out of Stainless Steel 304 sheet having thickness of 40- 48mm of size 1500 X 2100 mm single / dual leaf with PUF core sandwiched between Stainless steel 304 sheet, with viewing window of size 300 X 300 mm. The Extruded Alumunium Doorframe with Sealing Gasket provides Leak-less mechanism on three side of Door with extruded heavy duty anodized wall frame with non return air gasket, and drop seal provides leak less sealing with the floor. Doors are provided with standard accessories like Door closer,D type Handle etc.</p>	Nos.	10,47,954.00	3.00	31,43,862.00
30	RBH18-MG-FA- 54	<p>Supply, Installation, Testing &amp; Commissioning of IMPORTED RETRACTABLE OT PENDANT FOR MINOR OT It should comply and fully meets with the latest standard certificate from notified body must be submitted. Certificate of Origin must be given. As per tender technical specifications and approved makes..</p>	Nos.	17,70,000.00	2.00	35,40,000.00
31	SG-FA-MG-12	SITC OF Hatch Box 600 X 600 mm	Nos	97,500.00	13.00	12,67,500.00
<b>GRAND TOTAL SUMMARY</b>						<b>11,01,07,901.40</b>
<b>Say</b>						<b>11,01,07,902.00</b>