

Description of Work

(for all the works)

(Annual maintenance Contract for Modular O.T. Shatabdi Hospital Phase-1, KGMU, U.P. Lucknow.)

S.No.	ITEM DESCRIPTION	QTY	UNIT
i	Walls made of 10 mm high pressure laminate with both side antibacterial(back and front) hipercare/ steripanel (imported as per EN standard) resistant, scratchproof, both side anti-bacterial during the whole lifecycle, light and heat resistant, water solvent and chemical resistant stain resistant, smooth surface, Hipercare/ steripanel is resistant against humidity and disinfective cleaning detergent it should endure highest mechanical exposure without visible signs of wear it should be extraordinary long lasting. It should not be dented and/or scratched as this is the case with metal panels No hygroscopic gypsum board should be needed for reinforcement of Hipercare / Steripanel this should be capable of openings for additional electrical outlet x-ray viewers etc and should be cut easily also later on panels should be exchangeable for revision or replacement.	16	No
ii	Ceiling system of operating room shall be made of STERIPANEL/ hipercare (imported and us EN standard) both side antibacterial and made from 0.8 mm thick STERIPANEL both side with an average weight of 4.5 kg/sq. Mtrs. Material Class: A2-s1 accord DIN EN 13501-1 Fire resistance F30-F120 accord DIN 4102 Part 2	16	No
iii	Clean Air System Complete Plenum system with mini pleat filters (CE marked) Imported.	16	No
iv	Floor (imported and us EN standard) conductive floor should be made of two component anti-static resin of three different layer consisting of primer, self levelling and top layer, top layer should be related chemically to harden the surface for longer durability and for case of cleaning and disinfection	16	No
v	Corners made of round shaped aluminium profile, seamless integrand into the floor, inserted into the wall pancling(imported)	16	No
vi	Doors standard size doors automatic sliding hermetically scaled made of high pressure laminate antibacterial STERIPANEL/ HIPERCARE imported and as per EN standard with glass vision window	16	No
vii	Peripheral light (imported) Peripheral light should have following features. . Luminaire body should be dust proof, nearly bacteria proof, high degree of protection IP 65 . IP 65 protection rating> dust proof virtually bacteria proof . the meaning of IP 65 . IP> International Protection Rating . 6> Object size protected against dust tight . No ingress of dust complete protection against contact . 5> Water projected by a nozzle against enclosure from any direction shall have no harmful effects . Luminaire should be made of highly resistant laminated safety glass thus 100% shatter protection. . Adjustable reflector optical system should be individually adjustable to the conditions in the operating theatre. . it should not have interference on the infrared controls of the operating table . Endoscopic light Green light insert for use in the operating theatre especially for minimally invasive surgery with low illuminances. . plane glass with stylish fine grained surface dor eliminating uncontrolled reflections when using laser technology. . the body of the light should be completely closed which prevent the entry of unwanted minute particles from the ceiling into the room thus making it highly suitable for the operating areas . switching and dimming of every individual lamp . green light for endoscopy . smooth easy to clean and disinfect surfaces	16	No

	individually adjustable reflector =30 deg.		
viii	Celling Pendent for Anaesthesia with spacer block and six gas valves and six electrical sockets with motorized movement (Imported and us EN standard) Celling Pendent for surgery with spacer block and six gas valves and six electrical sockets with motorized movement (Imported and us EN standard)	16	No
ix	Imported Celling Mounted Dual Dome LED OT Light with following features. . 13000 Lux-14000Lux each dome . Dimming 7 steps . Focus . Light filed dis-180-320mm. . Color temp.- 4300k and minimum 216 LEDs . Endoscopy / Leproscopy green light, satin finish cover glass. . Colour rendering Index ra>93, Safety glass, Light emitting surface one no built in video camera in either dome camera in either dome in the central handle with wireless remote control unit and OT light must be focusable with bulling camera.) Camera (Should be built in any one of the LED OT light dome) Camera super HADCCD pixels 440000 zoom 72x(18xoptical and 4xdigital) minimum lightening 1.0 lyx signal/ noise ratio 50db auto shutter 1/1 to 1/10000 22levels, horizontal arm. Spring arm and carrying arm and 19 flat screen monitor	16 16	No No
x	Electric wiring + Fitting and fixtures inside O.T	16	No
xi	Gas Pipe Line inside O.T	16	No
xii	Control Panel embrane type indigenous Operation Control Panel mounted flues in the theatre wall with distribution board complete with all accessorise the control panel comprising of the following- . 1 number day time digital clock . 1 number clasped time digital clock . 1 number hand free telephone . medical gas alarm . temperature and humidity display only . peripheral light controller	16	No
Xiii	Twin Plate x ray viewing screen indigenous designed to provide a high level of control luminance (Dimming rang 3-100% flicker free) complete with all accessories etc.	16	No
Xiv	Operating Writing List Board indigenous of size 100mm x700mm x60 deep complete with all accessories etc.	16	No
xv	3-Bay scrub station indigenous made out of SS 304 Brush finish 1.6 mm complete with all accessories i.e. touch less sensors with time control thermostatic mixing valve and with Inee by pass system etc.	16	No
xvi	Dirty Hatch in operation theatre for removal of OT waste of the following features shall be installed Each hatch will be equipped with two doors the doors are operated electronically the hatch designed in such way that only one doors in open at one time the Dirty hatch comprises od MOC- 18 swg. SS 304, view panel-5 mm thick glass on both shutters and with UV light ON operational when doors are closed and of size 700 x700 x600mm	16	No
xvii	All the Hose Keeping works related to all Modular operation theatres will be the sole responsibility of the successful tenderer	16	No
Total Estimated Cost of related work:-			
Tenderer to be Quoted AMC (including Consumers & non consumers items)			
Amount :-		+ GST :-..... (one year)	
In Words :-		+ GST :-..... (one year)	

Note:- Rate will be quoted by the Bidder for five year

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Shatabdi Phase-1 (Spare parts list with price for Imported Modular OT)

S.No	Items	Spare parts	Unit	Price Per Unit
1	Control panel	Power supply	1	13000
		Clock PCB	1	17500
		Clock Display	1	3750
		Elapsed Time PCB	1	15500
		Elapsed Time Display	1	13950
		Temp/Humidity PCB	1	7500
		Temp/ Humidity Display	1	13580
		Temp/ Humidity Sensor	1	17900
		Gas alarm PCB	1	27700
		Gas alarm Display	1	23750
		Gas alarm pressure sensors	1	12500
		Vacuum alarm PCB	1	27500
		Peripheral Light Control PCB	1	12500
		Peripheral Light Control Switches	1	18250
		Plenum Light Control PCB	1	12500
		Plenum Light Control Switches	1	11280
		Relay control card	1	21250
		Plastic Skin	1	2250
		Telephone PCB	1	8700
2	X- Ray view box	Power supply	1	16250

		Control PCB	1	8800
		Switching PCB	1	3750
		Variable voltage ballast	1	6250
		Tube lights	1	300
		Plastic Skin	1	1250
		Acrylic Sheet	1	750
3	Plenum	HEPA filter	Set of 6	94500×06=567000
		Diffuser cloth	1	110500
		Spring clamps	1	1250
4	Peripheral lights Imported	Ballast	1	6250
		Tube light	1	300
		Green light	1	1250
		Reflective surface	1	24000
		Diffuser Glass	1	48000
5	Camera	Control PCB	1	83500
		Camera Power supply	1	195000
		Camera CCD	1	265000
		Camera mother board	1	183380
		Convertor board	1	152220
6	Monitor	Monitor PCB	1	167500
		Monitor Power supply	1	87500

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		LCD display	1	284000
		Control PCB	1	37500
		On/ off knob	1	2000
7	Pendant	Power supply	1	62250
		Motor	1	197800
		Relay PCB	1	62500
		Limit switch	1	16250
		Gear Mechanism	1	87500
		Gas outlets	1	12400
		Pneumatic brakes	1	65890
		Power supply switch	1	1250
		Power supply Socket	1	1250
		Bearings	1	62500
8	Door	Power supply	1	167500
		Control unit	1	150000
		Motor	1	156000
		IR sensor	1	23750
		Belt	1	8750
		Glass window	1	22000
		Roller	1	7500
		Door Stopper	1	1500
		Guiding rollers	1	1500
		Anti jumper blocks	1	1500

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	Dirty Hatch Box	Power supply	1	67500
		Control unit PCB	1	41000
		Timer PCB	1	32500
		Magnetic clock	1	7500
		Display	1	31500
		Ultra violet light	1	3000
10	Scrub Sink	Sensor For automatic flow	1	33250
		Thermostatic mixture	1	32000
		Shower Tap	1	7000
		Power supply	1	19500
		Solenoid Valve	1	11750
		Manual Foot/ knee operational valve	1	9000

11	LED Lights	Control PCB	1	89500
		LED PCB	1	57000
		Power supply	1	37500
		Glass	1	122500
		Bearing	1	27500
		Connectors 5 pole	1	22000
		Connectors 3 pole	1	20500
		Spring arm	1	351000
		Light Arm	1	370500
12	Gas pipeline inside	Vacuum Outlet	1	12400

	OT			
		Oxygen Outlet	1	12400
		Nitrous Outlet	1	12400
		Air Outlet	1	12400
		A Gas	1	12400
		Pressure Switches	1	4900
13	Antistatic flooring	Antistatic flooring	1	810000
Total Amount				₹ 59,14,350.00
Amount In Word:-+ GST ~				
Quoted rate in Figer :-.....% Above/Below Amount:-.....+GST ~				
Quoted rate in World :-.....% Above/Below Amount:-.....+GST ~				

Note:- Bidders Can quote their rates above/Below in percentage

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