

LIST EQUIPMENTS FOR MCH

S.NO.	NAME OF EQUIPMENT	Quantity
1	DVT Pump	20
2	Air Mattress	20
3	Labour Bed	50
4	Vacuum delivery system	10
5	DIGITAL VIDEO COLPOSCOPE	20

Schedule No.1- DVT PUMP

Sr. No.	Description of Technical Specification
1	Power - 230 v \pm 10 %, 50 Hz
2	Pressure Range - 30 - 60 mmHg
3	Suggested therapeutic Setting - 40 mmHg
4	Should have inflation and deflation cycle
5	I. L550 Tubing connection Assembly (150 cm)-1 pair
6	II. Standard Calf Garment* - 1 pair (up to 500 mm calf circumference and should have atleast 1 ft length)
7	III. Large Calf Garment - 1 pair (700 mm or more calf circumference)
8	IV. Standard Thigh Garment* - 1 pair (up to 710 mm/28" thigh circumference or 600mm width and 540mm length)
9	V. Large Thigh Garment - 1 pair (up to 890 mm/35" thigh circumference or 930mm width and 670 mm length)
10	VI. Extra Large Bariatric Fit Calf Garment (up to 710 mm/28" calf circumference) - 1 pair
11	Uniform intermittent pneumatic compression system/ Gradient Sequential Intermittent Pneumatic Pressure
12	Should have LED display
13	The unit should have pressure regulator to set the desired pressure.
14	The unit should have audible and visual alarm system.
15	The unit should have option for use of Single leg mode.
16	The unit should have arrangement to hang the unit either on bed or on stretcher/trolley.
17	The unit should have rubber padding to minimize vibration, movement and noise.
18	The unit should be portable and should not weigh more than 3.5 Kg.
19	The unit should be European CE (from notified body)/ USFDA approved.
20	Should have safety mechanism to manage over pressure in case of fault in compressor system.
21	The unit should have safety mechanism such as locking system to prevent accidental disconnection.
22	Tubing should be atleast 2 meter long.
23	Warranty: 3 years Warranty and 5 years CMC

Schedule No.2- Air Mattress

Sr. No.	Description of Technical Specification
1	Control Unit
2	Input Power - AC220-240V/50Hz
3	Air Flow Rate - Approx 8LPM
4	Appliance Category - Class I, Type BF
5	Replaced as- Certification- European CE / USFDA Approved.
6	<input type="checkbox"/> Continuous usage for 12 hours then rest time one hour
7	<input type="checkbox"/> Air cells inflate and deflate in alternating cycles to provide pressure relief.
8	Air Mattress
9	Dimensions - L200 x W90 x H20 cm approx.
10	Weight - Approx 9.0 kg
11	Load - 30-200 kg
12	Air Cell Materials - Nylon / TPU
13	Base Materials - Nylon / PVC
14	Replaced as- Coverlet Materials polyurethane/Dartex
15	CPR Quick Air Relief Valve – Yes
16	Head end 3 hoses no alternating design - For Head & neck protection
17	Medium to high risk category.
18	Cell Height- Approx. 8 inch
19	Warranty: 3 years Warranty and 5 years CMC

Schedule No. 3- Motorized/Hydraulic LABOUR BED

Sr. No.	Description of Technical Specification
1	<input type="checkbox"/> Overall Size: 1880-2000L x 660-900W x 600-920H mm. (Approx.)
2	<input type="checkbox"/> Main Tubular framework made of Epoxy Coated steel on 125 mm dia noiseless castors with 2 brakes or central break system.
3	<input type="checkbox"/> High quality beautiful ABS engineering plastic head panel.
4	<input type="checkbox"/> It adopts linear bearing to control the telescopic working table.
5	<input type="checkbox"/> Three Section top made of MS pipe Equipped with approx. 4 inches thick high quality fixed Cushioned Mattress of the Bed should be made up of high density (48-58 ILD) foam with Anti Microbial agent incorporated into all components that assists in Prohibiting growth of bacteria & fungi and easy to clean.
6	<input type="checkbox"/> Trendlenburg- upto 25° Reverse Trendlenburg Positions - 15° to 23° or more, back section adjustment through motorized and in case of motor/ power failure then manually operated.
7	<input type="checkbox"/> Height & Back section adjustment through Hydraulic Pump OR through electric actuator system. In case of motor/ power failure then manually/ hydraulically operated.
8	<input type="checkbox"/> Leg end section can slide under the main section, Adjustable leg support and sliding grip holder OR Telescoping leg section that reduces the overall length of the bed, allowing maximum access to mother and baby.
9	<input type="checkbox"/> Two easy lifting guardrails (1 on each side), which are safe and reliable, and can be fixed upward and downward OR Dual-side manual CPR levers.
10	<input type="checkbox"/> Provided with a pair of upholstery lithotomy position.
11	<input type="checkbox"/> SS telescopic IV Rod.
12	<input type="checkbox"/> Detachable SS Tray.
13	<input type="checkbox"/> Accessories including lithotomy leg rests, hand grips, high and low foot supports, a removable step and a fluid collection tray.
14	<input type="checkbox"/> Certification: - European CE (Class I)
15	Added- Safe Working Load 150 to 180 kg
16	<input type="checkbox"/> Warranty: 3 years Warranty and 5 years CMC

Schedule No. 4- Vacuum delivery system

Sr. No.	Description of Technical Specification
1	Noiseless aspiration unit with rapid vacuum build up mounted on a well-balanced trolley with at least four good quality antistatic castors with brakes
2	The machine should be based on aluminum and glass free heat resistant piston cylinder with flat spring technology made up of long lasting high-tech material.
3	System should have membrane vacuum regulator & easily readable vacuum gauge in mmHg.
4	System should be capable of operating at vacuum levels between 0 to -712 mmHg.
5	System should have Touch buttons providing One-touch flow or Flow rate should be adjustable as per the user.
6	System should provide multiple preset flow rates of 40-60 ltr/min approx.
7	The noise level should be below 50 dB at the highest flow rate.
8	Should have two levels of mechanical overflow protection along with an autoclavable Safety Jar made up of PSU (Polysulfone) with auto shut off feature to prevent entry of any type of fluid into the machine.
9	The lid of the jar should be autoclavable in order to ensure complete sterility.
10	System should have clampholders for directly clamping the jars on the machine rail without the use of screws.
11	The machine should have continuous duty cycle
12	System should be oil free and should not contain any glass or stainless steel components.
13	All components should be from a single manufacturer unless stated
14	System should be provided with 5 sealed disposable liners of (2.5 -5 litres) Range capacity and made up of polyamide and polyethylene along with solidifier and bacterial filter with splash protection for closed containment of infected fluids.
15	System should have LED indicators for status of the machine Standby, Running and Error
16	Safety Standard:
17	System should have valid European CE/US FDA Certificate
18	The Equipment shall have valid ISO 13485 Certificate.
19	System should fulfill IEC 60601-1: 2005, Edition 3.0 standards.
20	Environmental and Departmental considerations
21	Transport/storage temperature, relative humidity -20 to +50°C 20-95%
22	Operating temperature, relative humidity: 5 to 40°C 30-75 %
23	Accessories:
24	System should have a Trolley with equipotential conductor for patient safety
25	System should have one unbreakable and autoclavable Polysulfone (PSU) jar of 2 to 3 ltrs capacity for fluid collection
26	System should have a set of autoclavable medical grade five silicon cups as follows:-

27	1. Silicone Vacuum Cup 50 mm (Navy Blue),
28	2. Ceasarian Aid Cup 60 mm (Blue)
29	3. Silicone Vacuum Cup 60 mm (Grey) or more
30	4. Silicone Vacuum Cup (40 mm)
31	5. Silicone Vacuum Cup (50 mm) Occipito Posterior.
32	System should have Foot on/off switch in the trolley.
33	System should have high quality housings materials to withstand potent disinfectants and a smooth and a single piece hood without gaps and grooves for maintaining hygiene, easier cleaning and preventing growth of pathogens.
34	Trainings and Installation
35	Demonstration to user while delivering the product.
36	Training of users in handling and basic maintenance shall be provided. Warranty and maintenance 3 years against functionality.
37	Maintenance manual detailing complete maintaining schedule.
38	Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.
39	Warranty: 3 years Warranty and 5 years CMC

Schedule No. 5– DIGITAL VIDEO COLPOSCOPE

Structure	HD Technology CMOS SENSOR camera, stand, software	
Certificate	European CE and FDA approval	
camera	HD camera	1/2. 8 inch CCD or better
	Pixels	21 mega pixels or better
	Image size	1920*1080 or better
	horizontal resolution	1080p preferred or better
	Image Output	3G-SDI,transmission rate : 2.97Gb/S
	magnification	Optical 1-52 X or better
	Focus model	fast auto focus, manual focus, manual focus support for micro adjustment of independent button control
	Aspect Ratio	16:9
	Light source	LED Light , high brightness , long life, Uniform illumination
	Light source life	Minimum 50000 hours or better
	Minimum illumination	0.1 lux or better
	remote	Remote facility required
	Software	WIN7, WIM10 operation system, Graphical report should be print, LAN/HIS compatible Desktop computer system