

Amendment No: 1**02/05/2013****Ref:** Tender Enquiry No: HLL/PCD/PMSSY/32/13-14 Dated 29-04-2013

The following amendments are incorporated in the referred Tender Enquiry Document which was uploaded in the websites on 30/05/2013.

**Section I
Notice Inviting Tender****For:**

Sl. No.	Equipment Name	Total Qty.	EMD
1	Automated Electrophoresis System	3	30,000
2	Refrigerated Centrifuge (Table Top)	3	60,000
3	Refrigerated Centrifuge	2	72,000
4	Lyophiliser	3	30,000
5	Ion Selective Electrolyte Analyzer	1	12,000
6	Elisa Reader Low End	2	12,000
7	ELISA Washer	1	3,000
8	Fully Automatic Chemiluminescence Immunoassay Analyser	5	250,000
9	ELISA READER High End with washer	8	80,000
10	Anaerobic Workstation	1	24,000
11	Automated Mycobacterium Culture System	1	70,000
12	Biological Safety Cabinet Class-II A	11	44,000
13	Electrophoresis Apparatus (Vertical & Horizontal with western Blot)	3	6,000
14	Deep Freezer (-20°C) High Volume	7	21,000
15	Pre Vacuum High Pressure Jacketed Horizontal Steam Sterilizer	3	12,000
16	Vertical Jacketed Autoclave	7	14,000
17	Water Jacketed CO2 Incubator	3	30,000
18	Automated Slide Stainer	4	56,000
19	Automatic tissue processor	11	55,000
20	Binocular Microscope	65	52,000
21	Five Headed Research Microscope	2	40,000
22	Trinocular Microscope	4	80,000
23	Fully Automatic Motorized Rotary Microtome	3	30,000
24	Semi Automatic Motorized Rotary Microtome	4	28,000

Sl. No.	Equipment Name	Total Qty.	EMD
25	Cytocentrifuge	2	4,000
26	Cryostat	1	10,000
27	Dental chairs (Basic)	75	375,000
28	Dental chairs (High End)	77	1,001,000
29	Mobile ICCU Van	1	70,000
30	ECG Machine-12 Channel	6	144,000
31	Color doppler Echocardiography System with advanced 2D Facility	2	240,000
32	Defibrillator with ECG Monitor	63	315,000
33	Color Doppler Echocardiography system with 3-D facility	2	280,000
34	Intra aortic Balloon Pumps-High End	12	432,000
35	Heart lung machine with accessory (Advance Version)	8	1,120,000
36	ICU Beds (Advanced Model)	21	42,000
37	ACT Machine	4	16,000
38	Electro Surgical Unit with Vessel Sealing System	2	72,000
39	Video Thoracoscope	1	30,000
40	Sternal Saw(Electrically operated)	5	30,000
41	Cell saver	2	80,000
42	Low Temperature Hydrogen Peroxide Gas Plasma/Non Plasma Sterilizer	7	560,000
43	Volumetric Infusion pump	32	32,000
44	Ventilator-Non Invasive/BiPaP	9	54,000
45	Ultrasonic cutting and coagulation Device	13	520,000
46	Operation Table Hydraulic	19	133,000
47	Ventilator- Pediatrics/Infant/Neonates	39	468,000
48	Ventilator Portable	4	28,000
49	Fiberoptic Bronchoscope-Paediatric	2	20,000
50	Ultrasonic Aspirator for Micro Neurosurgery	4	480,000
51	Craniotomy	1	60,000
52	Spine Surgery Set	1	60,000
53	High Speed Drill System for Neurosurgery & Spinal Surgery	1	40,000
54	Pneumatic Drill Machine for Neurosurgery	1	50,000
55	Ultrasound Machine	10	400,000
56	Portable Color Doppler Machine	1	40,000

Sl. No.	Equipment Name	Total Qty.	EMD
57	Mobile C-arm Image intensifier	2	120,000
58(a)	Digital Radiographic(DR) X-ray machine 800 mA	2	600,000
58(b)	Digital Radiographic(DR) X-ray machine 800 mA (on buy-back basis)	1	300,000
59(a)	Radiography-Fluoroscopy system- 500 mA	1	58,000
59(b)	Radiography-Fluoroscopy system- 500 mA (on buy-back basis)	1	58,000
60	X-Ray machine with CR system	1	90,000
61	Mobile X- Ray unit High end	1	32,000
62	Mobile C-Arm Image Intensifier with DSA	1	130,000
63	Urodynamic system equipment	1	16,000
64	Flexible Cysto- Nephroscope(High End)	2	16,000
65	Paediatric cystoscope/resectoscopes	3	60,000
66	Laparoscopic Unit	1	50,000
67	Electro Surgical Unit(ESU)with vessel Sealing System	1	36,000
68	Extra corporeal shock wave Lithotripter (E.S.W.L) High End	3	540,000
69	Open surgical instrument Set (General/Urogynae/vascular)	1	70,000

Read as:

Sl. No.	Equipment Name	Total Qty.	EMD (in INR)
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7	ELISA Washer	1	3,000
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9	ELISA READER High End with washer	8	80,000
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16	Vertical Jacked Autoclave	7	14,000
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18	Automated Slide Stainer	4	56,000
19	Automatic tissue processor	11	55,000
20	Binocular Microscope	65	52,000
21	Five Headed Research Microscope	2	40,000
22	Trinocular Microscope	4	80,000
23	Fully Automatic Motorized Rotary Microtome	3	30,000
24	Semi Automatic Motorized Rotary Microtome	4	28,000
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26	Cryostat	1	10,000
27	Dental chairs (Basic)	75	375,000
28	Dental chairs (High End)	77	1,001,000
29	Mobile ICCU Van	1	70,000
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32	Defibrillator with ECG Monitor	63	315,000
33	Color Doppler Echocardiography system with 3-D facility	2	280,000
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36	ICU Beds (Advanced Model)	21	42,000
37	ACT Machine	4	16,000
38	Electro Surgical Unit with Vessel Sealing System	2	72,000
39	Video Thoracoscope	1	30,000
40	Sternal Saw(Electrically operated)	5	30,000
41	Cell saver	2	80,000
42	Low Temperature Hydrogen Peroxide Gas Plasma/Non Plasma Sterilizer	7	560,000
43	Volumetric Infusion pump	32	32,000
44	Ventilator-Non Invasive/BiPaP	9	54,000

Sl. No.	Equipment Name	Total Qty.	EMD (in INR)
45	Ultrasonic cutting and coagulation Device	13	520,000
46	Operation Table Hydraulic	19	133,000
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48	Ventilator Portable	4	28,000
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51	Craniotomy	1	60,000
52	Spine Surgery Set	1	60,000
53	High Speed Drill System for Neurosurgery & Spinal Surgery	1	40,000
54	Pneumatic Drill Machine for Neurosurgery	1	50,000
55	Ultrasound Machine	10	400,000
56	Portable Color Doppler Machine	1	40,000
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58(a)	Digital Radiographic(DR) X-ray machine 800 mA	2	600,000
58(b)	Digital Radiographic(DR) X-ray machine 800 mA (on buy-back basis)	1	300,000
59(a)	Radiography-Fluoroscopy system- 500 mA	1	58,000
59(b)	Radiography-Fluoroscopy system- 500 mA (on buy-back basis)	1	58,000
60	X-Ray machine with CR system	1	90,000
61	Mobile X- Ray unit High end	1	32,000
62	Mobile C-Arm Image Intensifier with DSA	1	130,000
63	Urodynamic system equipment	1	16,000
64	Flexible Cysto- Nephroscope(High End)	2	16,000
65	Paediatric cystoscope/resectoscopes	3	60,000
66	Laparoscopic Unit	1	50,000
67	Electro Surgical Unit(ESU)with vessel Sealing System	1	36,000
68	Extra corporeal shock wave Lithotripter (E.S.W.L) High End	3	540,000
69	Open surgical instrument Set (General/Urogynae/vascular)	1	70,000

Section VI
LIST OF REQUIREMENTS

Part I
For:

Sl. No.	Equipment Name	Consignee	Department	Quantity	Total Quantity
35	Heart lung machine with accessory (Advance Version)	GMC	CTVS	1	8
		JMC	CTVS	1	
		RIMS	Cardiology& CTVS	1	
		BMC	CTVS	1	
		VIMS	Equipments>20 Lacs	1	
		VIMS	CTVS	1	
		TMC	CTVS	1	
		BJMC	Cardiology	1	

Read as:

Sl. No.	Equipment Name	Consignee	Department	Quantity	Total Quantity
35	Heart lung machine with accessory (Advance Version)	GMC	CTVS	1	7
		JMC	CTVS	1	
		RIMS	Cardiology& CTVS	1	
		BMC	CTVS	1	
		VIMS	CTVS	1	
		TMC	CTVS	1	
		BJMC	Cardiology	1	

For:

47	Ventilator- Pediatrics/Infant/Neonates	GMC	CTVS	1	39
		BJMC	Paediatrics	2	
		BJMC	Paediatric Surgery	1	
		GMC	Paediatric Surgery	1	
		GMC	Paediatric Surgery	6	
		GMC	Paediatric Surgery	8	
		GMC	Paediatric Surgery	6	
		GMC	Paediatric Surgery	8	
		TMC	Paediatric Surgery	1	
		TMC	Paediatrics	5	

Read as:

47	Ventilator- Pediatrics/Infant/Neonates	GMC	CTVS	1	39
		BJMC	Paediatrics	2	
		BJMC	Paediatric Surgery	1	
		GMC	Paediatric Surgery	29	
		TMC	Paediatric Surgery	1	
		TMC	Paediatrics	5	

Section VII
Technical Specification

Item No: 58 (a)
DIGITAL RADIOGRAPHY - 800mA

The turnkey details of the equipment are as amended below:

Total covered area should be approximate **1500 Sq. feet** or as per actual drawing attached (**For ranking purpose 1500 Sq. feet will be considered**).

To be provided by the consignee

1. Bare Walls.
2. Power Supply - Till the room to be provided. However rates per meter of cables and other accessories needs to be quoted as optional item in case, this job is assigned to the bidder.
 - *Payment to be made as per actual on pro-data basis.*
 - *The optional items will not be considered for ranking purposes.*

Turn Key to be provided by the Bidder

1. Rate per sq. feet for lead lining to be paid in the event of the wall thickness does not meet the AERB requirements (For ranking purpose 1500 Sq. feet will be considered).
2. Flooring
3. False ceiling
4. Vitreous Tiles on the walls however in case the lead linings are provided, the cost may be adjusted accordingly
5. All trenches and railings wherever required
6. Any other necessary work required for satisfactory working of the equipment.

Schedule of Finishes-

1. Rates for civil work should be offered separately and rate per Sq. feet to be mentioned.
2. Total covered area should be approximate 1500 Sq. feet or as per actual drawing attached.

3. The thickness of the walls should be according to AERB/BARC norms.
4. Should provide lead lining where ever required (doors, etc.), as per AERB/BARC norms.

Sl. No.	Room	Flooring	Skirting/Dado	Walls	Ceiling
1.	Reception, Waiting, Patient Preparation	300x300x8.5 mm thick mirror stone tiles.	100mm high tile skirting to match floor.	Cement plaster & Emulsion paint	Perforated Al. Panel or as required False Ceiling with acoustic lining & Al or as required. suspension
2.	Examination Room	300x300x2.0 mm thick vinyl tiles	100mm high hard wood skirting	Pre-laminated particle board wall panelling	-Do-
3.	Control, Room & Corridor	300x300x8.5 mm thick granite	100 mm high granite tiles skirting	Cement plaster and plastic emulsion paint	-Do-
4.	Electrical room	52mm thick cement concrete flooring with hardener	100 mm high cement plaster skirting	Cement plaster and dry distemper paint	Plaster and dry distemper
5.	Toilet and pantry	300x300x8.5 mm thick ceramic tiles (polished on counter top)	100x200x5 mm thick glazed tiles up to door height from floor level.	Plaster & oil bound distemper on walls above false ceiling	Gypsum board false ceiling with oil bound distemper paint

AIR- CONDITIONING

1. The rates per meter of cabling and other accessories needs to be quoted as optional item in case this job is assigned to the bidder
2. Should provide split air-conditioning or equivalent with wireless remote control separately to Gantry room, Operating and Study consoles, reception etc. Price must be offered separately for Total air-conditioning requirement and also quote per ton air-conditioning rates.
3. The capacity of the air-conditioning should be sufficient to maintain the require temperature.
4. It is the responsibility of the bidder to provide all the electrical accessories.

Schedule of furniture:

Following furniture should be provided and the rates must be offered separately:

AREA	DESCRIPTION	QTY.
Waiting & Reception	Reception desk in block board construction with granite top	1 No.
	Storage cupboard	1 No.
	Reception chair	1 Nos.
	PVC molded chairs on common steel stand in group	12 Seats
	Corner Table	4 Nos.
Control Room	Low backed swing chairs on castors with armrests	3 Nos.
	Film Viewer (6 films)	1 No.
Gantry Room	Drug trolley on castors	1 No.
	Lead Aprons (Light weight)	4 Nos.
Patient preparation	Patient couch	1 No.
	Drug trolley	1 No.
	Examination Stool	1 No.

All the furniture should be reputed make.

Item No: 58 (b)**DIGITAL RADIOGRAPHY - 800mA**

The turnkey details of the equipment are as amended below:

Total covered area should be approximate **1500 Sq. feet** or as per actual drawing attached (**For ranking purpose 1500 Sq. feet will be considered**).

To be provided by the consignee

1. Bare Walls.
2. Power Supply - Till the room to be provided. However rates per meter of cables and other accessories needs to be quoted as optional item in case, this job is assigned to the bidder.
 - *Payment to be made as per actual on pro-data basis.*
 - *The optional items will not be considered for ranking purposes.*

Turn Key to be provided by the Bidder

1. Rate per sq. feet for lead lining to be paid in the event of the wall thickness does not meet the AERB requirements (For ranking purpose 1500 Sq. feet will be considered).
2. Flooring
3. False ceiling
4. Vitreous Tiles on the walls however in case the lead linings are provided, the cost may be adjusted accordingly
5. All trenches and railings wherever required
6. Any other necessary work required for satisfactory working of the equipment.

Schedule of Finishes-

1. Rates for civil work should be offered separately and rate per Sq. feet to be mentioned.
2. Total covered area should be approximate 1500 Sq. feet or as per actual drawing attached.
3. The thickness of the walls should be according to AERB/BARC norms.
4. Should provide lead lining where ever required (doors, etc.), as per AERB/BARC norms.

Sl. No.	Room	Flooring	Skirting/Dado	Walls	Ceiling
1.	Reception, Waiting, Patient Preparation	300x300x8.5 mm thick mirror stone tiles.	100mm high tile skirting to match floor.	Cement plaster & Emulsion paint	Perforated Al. Panel or as required False Ceiling with acoustic lining & Al or as required. suspension
2.	Examination Room	300x300x2.0 mm thick vinyl tiles	100mm high hard wood skirting	Pre-laminated particle board wall panelling	-Do-
3.	Control, Room & Corridor	300x300x8.5 mm thick granite	100 mm high granite tiles skirting	Cement plaster and plastic emulsion paint	-Do-

Sl. No.	Room	Flooring	Skirting/Dado	Walls	Ceiling
4.	Electrical room	52mm thick cement concrete flooring with hardener	100 mm high cement plaster skirting	Cement plaster and dry distemper paint	Plaster and dry distemper
5.	Toilet and pantry	300x300x8.5 mm thick ceramic tiles (polished on counter top)	100x200x5 mm thick glazed tiles up to door height from floor level.	Plaster & oil bound distemper on walls above false ceiling	Gypsum board false ceiling with oil bound distemper paint

AIR- CONDITIONING

1. The rates per meter of cabling and other accessories needs to be quoted as optional item in case this job is assigned to the bidder
2. Should provide split air-conditioning or equivalent with wireless remote control separately to Gantry room, Operating and Study consoles, reception etc. Price must be offered separately for Total air-conditioning requirement and also quote per ton air- conditioning rates.
3. The capacity of the air-conditioning should be sufficient to maintain the require temperature.
4. It is the responsibility of the bidder to provide all the electrical accessories.

Schedule of furniture:

Following furniture should be provided and the rates must be offered separately:

Area	Description	Qty.
Waiting & Reception	Reception desk in block board construction with granite top	1 No.
	Storage cupboard	1 No.
	Reception chair	1 Nos.
	PVC molded chairs on common steel stand in group	12 Seats
	Corner Table	4 Nos.

Area	Description	Qty.
Control Room	Low backed swing chairs on castors with armrests	3 Nos.
	Film Viewer (6 films)	1 No.
Gantry Room	Drug trolley on castors	1 No.
	Lead Aprons (Light weight)	4 Nos.
Patient preparation	Patient couch	1 No.
	Drug trolley	1 No.
	Examination Stool	1 No.

All the furniture should be reputed make.

Existing specification for item at Sl. No. 67 is replaced with the following specification:

Item No: 67

Electro Surgical Unit (ESU) with vessel Sealing System

1 Description of Function

Sl	Name
1.1	ESUs are used for surgical cutting and for controlling bleeding by causing coagulation (hemostasis) at the surgical site. They deliver high-frequency electrical current through an active electrode tip, causing desiccation, vaporization, or charring by resistive heating in the target tissue.
1.2	Saline TUR Bipolar (Under Saline Cutting), Conventional TUR Monopolar, Open Monopolar, Open Bipolar, Laparo-Monopolar, Laparo-Bipolar

2 Operational Requirements

Sl	Name
2.1	Microprocessor/Microcontroller technology

3 Technical Specifications

Sl	Name
3.1	Integrated touch screen system with 350W output generator for monopolar cut, 120Watt for monopolar coagulation, bipolar cut 150Watt and Bipolar coagulation 120Watt and vessel sealing system for open and laparoscopic surgery
3.2	Compatible with Argon Plasma Coagulator
3.3	Should provide monopolar output for cut, coagulation (fulguration & spray) & blend in multiple levels
3.4	Should have bipolar cut and coagulation in multiple levels with automatic bipolar coagulation.
3.5	Activation by foot switch and hand switch for all the modes.
3.6	Activation of bipolar by foot switch and automatic start/stop system
3.7	Capable of sealing vessels up to 7 mm diameter
3.8	Auto diagnosis on switching on and during working to continuously monitor all parameters
3.9	Automatic stoppage of output in case of malfunction with acoustic and visual signal with display of error code.
3.10	Output powers adjustable automatically or manually from the control panel.
3.11	Programmable memory for output settings
3.12	Simultaneous access to mono and bipolar by 2 or more users
3.13	Should be usable with laparoscopic monopolar and bipolar instruments, for which programmes and accessories must be available
3.14	System for neutral plate safety by continuous monitoring of contact quality and connection
3.15	System for monitoring and control of leakage current
3.16	Frequency leakage on the patient should be less than 10 micro Amp.

4 System Configuration Accessories, spares and consumables

Sl	Name
4.1	System as specified
4.2	<p>The accessories should include</p> <p>(a) trolley -01 No.</p> <p>(b) mains cable with power plug for standard Indian sockets -01No.</p> <p>(c) foot switches for different outputs – 02Nos</p> <p>(d) reusable and single use neutral electrode for adults and children along with cable for neutral electrode and fixation device wherever required,</p> <p>(e) sterilisable and disposable electrode handle with and without finger switch with cable for electrode handle,</p> <p>(f) set of electrodes (long and short) with electrode container with holder,</p> <p>(g) tip cleaner,</p> <p>(h) bipolar forceps with cable,</p> <p>(i) cable for connecting to standard mono polar and bipolar laparoscopic instruments,</p> <p>(j) Resuable dedicated instruments for open and laparoscopic monopolar, bipolar and vessel sealing use.</p> <p><i>The accessories and their quantity will be chosen from among the ones listed above as well as those listed at 4.4 depending upon actual requirement.</i></p>
4.3	Complete System and all accessories should be from same manufacturer.
4.4	The codes and rates of all possible individual accessories should be quoted separately with clear mention of period of validity of rates

5 Environmental Factors

Sl	Name
5.1	The unit shall be capable of being stored continuously in ambient temperature of 0 - 50 deg C and relative humidity of 15-90%
5.2	The unit shall be capable of operating continuously in ambient temperature of 10 - 40deg C and relative humidity of 15-90%

6 Power Supply

SI	Name
6.1	Power input to be 220-240VAC, 50Hz fitted with Indian power-plug
6.2	Suitable UPS with one Hour battery backup

7 Standards & Safety

SI	Name
7.1	Should be USFDA/ European CE approved product.
7.2	Manufacturer and Supplier should have ISO certification for quality standards.

8 Training

SI	Name
8.1	Comprehensive training for staff of user department and support services till familiarity with the system.

9 Warranty & Service

SI	Name
9.1	Comprehensive warranty for 2 years and 5 years Comprehensive Maintenance Service after warranty. The cost of CMC must be quoted in the price bid.

10 Documentation

SI	Name
10.1	Product Literature in original along with that of accessories and indigenous components if any. Photocopies/computer generated copies are not acceptable
10.2	Statement of compliance with tender specifications with clear and unambiguous links to relevant portions of product literature/authentic document, which should be highlighted. Alternatives provided for noncompliant specifications with

	justification must be described in detail with supporting literature.
10.3	Certificate of compliance with standards and approvals stated above
10.4	Certificate of manufacturer/principal regarding authorisation of service facility provided by the supplier
10.5	List of Equipment available in the Service Centre for providing calibration and routine Preventive Maintenance Support. as per manufacturer documentation in service/technical manual.
10.6	List of important spare parts and accessories, which are required for maintenance and repair, with their part number and costing.
10.7	Terms and conditions of warranty and CMC including schedules of visit by service personnel with check list of services to be carried out
10.8	Commitment for supply of log book with check list for daily, weekly, monthly and quarterly preventive maintenance with contact details of service personnel along with the equipment. The job description of the hospital technician and company service engineer should be clearly spelt out in the log book.

All other terms and conditions of the TED remain unchanged.