

North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences
(An Autonomous Institute, Ministry of Health and Family Welfare, Government of India)
Director's Block, Mawdiangdiang, Shillong 793 018 (Meghalaya)

Tender Amendment No: NEIGR/S&P/12/01/2019 -20

Dated: 24.01.2020

e-TENDER AMENDMENT

Reference Tender Enquiry No: NEIGR/S&P/OT/E –47/2019-20 for Setting up of Catheterization Laboratory /Cath Lab with Digital Subtraction Angiography Equipments, with detailed turkey works including electrical panels, wiring against buy back of old existing obsolete Mobile Cath Lab with DSA (Make: Allengers Medical Systems Ltd.; Model: Allengers Life; Year: 2008)

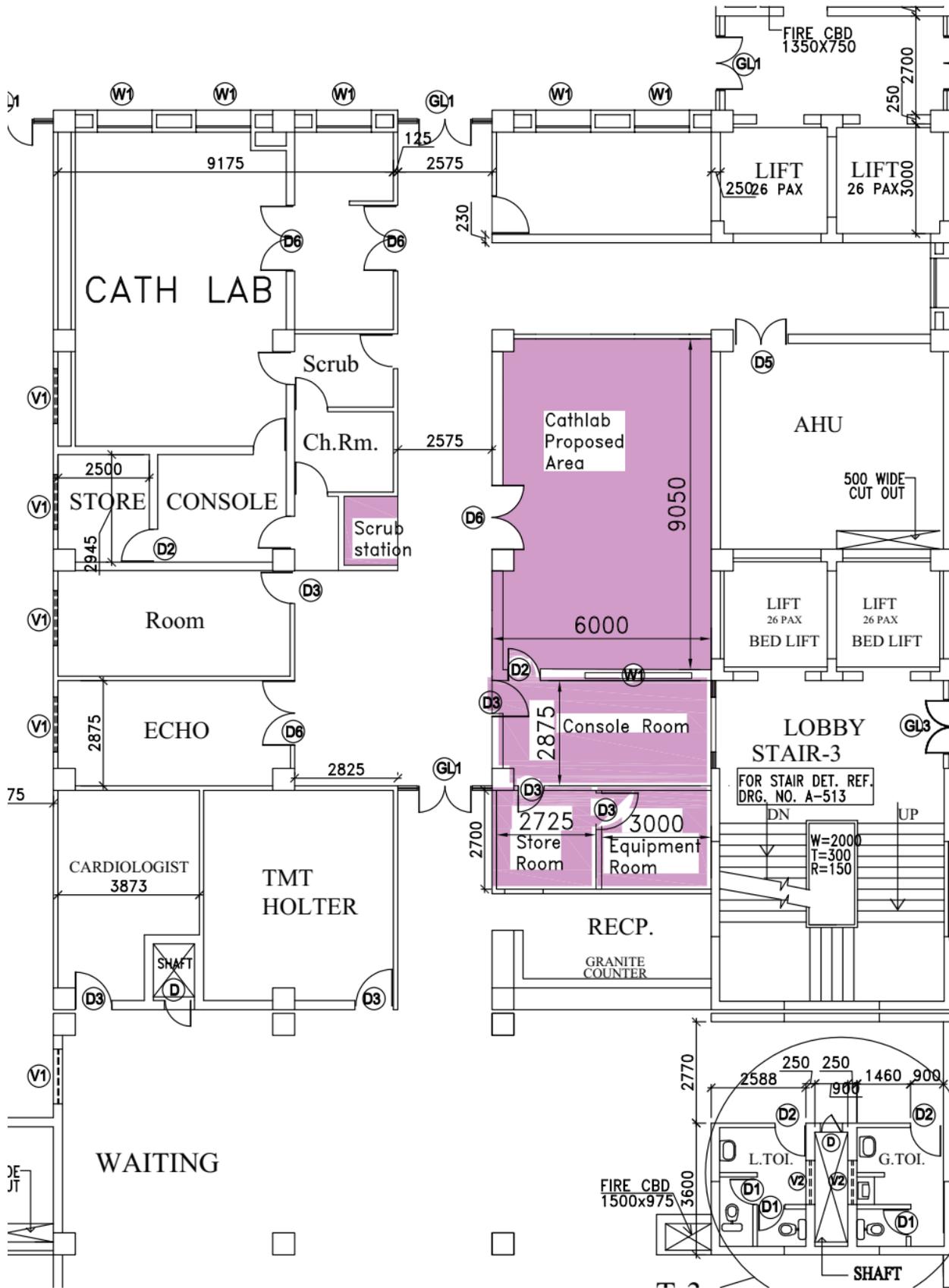
The following amendment /addendum are hereby being considered against the technical specification of the system:-

Point No.	Technical Specification	may be read as
	The manufacturer/bidder must quote the latest 'state of the art' Cath Lab with digital subtraction angiography system with specifications below. Please mention the year of launch of the quoted model. The manufacturer will guarantee the latest available technologies for the individual component of the model at the time of delivery. Any up gradation / new features launched prior to the installation of the equipment should be part of the supply, even if not quoted at the submitting the bid. The detailed specification that follows shall be understood to be minimum requirement. However, additional relevant technical features suitable for our requirement will be given due weightage.	The manufacturer/bidder must quote the latest 'state of the art' Cath Lab with digital subtraction angiography system with specifications below. Please mention the year of launch of the quoted model. The manufacturer will guarantee the latest available technologies for the individual component of the model at the time of delivery. Any software up gradation / new features launched prior to the installation of the equipment should be part of the supply, even if not quoted at the submitting the bid. The detailed specification that follows shall be understood to be minimum requirement. However, additional relevant technical features suitable for our requirement will be given due weightage.
	The offered model should be US FDA/CE/ISO approved. Authentic and legible certificate for the same to be annexed.	Deleted
A.8	Simultaneous movement of two axis for isocentric positioning. All movements of gantry should be controlled from the joystick on the table side as well as control panel.	Simultaneous movement of two axis for isocentric positioning. All movements of gantry should be controlled from the joystick on the table/CONTROL PANNEL/TOUCHSCREEN
A.11	The table should have motorized/manual axis tilt with head-down and head-up of at least +/- 15 degrees. In addition transverse tilt of the table may be quoted as option and price should be quoted separately. (to be deleted)	Deleted
A.15	Please specify the range of table travel in longitudinal and vertical directions; head up and down tilt angles as well as speed.	Please specify the range of table travel in longitudinal and vertical directions.
A.18	System should have well designed footswitch for releasing fluoroscopy, acquisition and table brakes with preferably two wired/ cordless footswitch.(to be deleted)	System should have well designed footswitch for releasing fluoroscopy, acquisition with preferably two wired / cordless footswitch.
A.19.ii	Chin support (n=2)	Deleted
A.19.v	Shoulder harness (n=2)	Deleted
A.19.vi	Ankle restrainer (n=2)	Deleted
B.3	Fluoroscopy exposure and mA should be automatically controlled & fluoroscopy. mA 10-130 mA	Fluoroscopy exposure and mA should be automatically controlled & fluoroscopy range :- mA 10-125 mA or more
	X-Ray tube should be minimum dual focus with high cooling rate to ensure continuous operation, capable of pulsed fluoroscopy. Please specify the focal spot sizes and kW outputs.	X-RAY TUBE should be minimum dual focus with high cooling rate to ensure continuous operation. The small focal point & large one must be defined as not more than 0.5 mm & 1 mm respectively.
C.4	Best grid switch tube technology should be available in tube.	Best (Primary Pulsing/Secondary)/ Grid switch tube technology should be available in tube to achieve equivalent results.
C.6.a	Latest dose reduction protocol should be available during acquisition.	Latest dose reduction software & hardware for dose reduction) protocol should be available during acquisition.
D.1.	A flat detector digital system with acquisition and display in 1024x1024 matrix with at least 14 bit digitization or above. Please specify the pixel size. Detector size should be 30cm (at least) x 30 cm or above.	A flat detector digital system with acquisition and display in 1024x1024 matrix with at least 14 bit digitization or above. Please specify the pixel size. Detector size should be 20cm (at least) x 20 cm / 25 cm diagonally .
	Additional Point to D.9.	Latest and state of the art Stent enhancement (Live) software and hardware with subtraction of Lumen with correlation to contrast filled vessel/equivalent technology must be supplied along with the system.
E.2	Console room should also have at least two 30 inch or more medical grade display monitor for simultaneous display of patient demographics, live image, reference image & 3D rotational angio images.	Console room should also have at least two 19 inch or more medical grade display monitor for simultaneous display of patient demographics, live image, reference image & angio images.
E.1	55 inch or more display monitor in examination room for simultaneous display of max 6 images (at least live, reference with back up monitor at the back of large display. The image resolution should be ultra high definition with high luminance at par with highest standard available in the industry.	55 inch or more display monitor /At least 4 or more monitors in examination room for simultaneous display of 4 outputs (live ,reference, Hemo and Stent enhancement) in examination room for simultaneous display of max 6 images (at least live, reference with back up monitor at the back of large display. The image resolution should be ultra high definition with high luminance at par with highest standard

		available in the industry.
F.2	The system should have facility for edge enhancement; Positive/ negative image display, windowing, contrast/brightness, electronic shuttering, image/pixel shifting, vertical and horizontal image reversal, zoom functions. Stacking software for CO2 imaging should be available. System should have facility to allow overlaying of fluoroscopy and reference images with fade-in and fade-out of these images possible.	The system should have facility for edge enhancement; Positive/ negative image display, windowing, contrast/brightness, electronic shuttering, image/pixel shifting, vertical and horizontal image reversal, zoom functions. Stacking software for CO2 imaging should be available.
H.1.	TWO state of the art High Pressure injector (one ceiling mounted and another mobile) of reputed make should be supplied, coupled with DSA system. a) Ceiling mounted injector- It should not interfere with movement of C-arm/L-arm. System should have programmed flow rate, volume, with variable pressure limits for all type of angiographies with disposable high-pressure syringes.	One state of the art High Pressure injector (ceiling mounted /mobile) of reputed make should be supplied, coupled with DSA system. System should have programmed flow rate, volume, with variable pressure limits for all type of angiographies with disposable high-pressure syringes.
14	A stand alone 10 TB image archiving solution with software from the same equipment vendor (should be quoted as an option)	A stand alone 10 TB image archiving solution with software.
15	Specifications of Defibrillator — 02 No. to be supplied FDA /CE approved	Deleted
21	ANGIO SIMULATOR –entire specification	Percutaneous Acute mechanical circulatory support system with a flow of more than 2 ltrs (Impella or equivalent) and price of related accessories must be quoted in percentage in the technical bid without which the technical bid will be treated as non compliant.
	Please respond to each specification in the same format and order as mentioned in the tender document and specify/indicate the page number and paragraph for verification from the product data sheet against each column.	Please respond to each specification (including Third party items) in the same format and order as mentioned in the tender document and specify/indicate the page number and paragraph including make & model for verification from the product data sheet against each column, without which the technical bid will be treated as non compliant
BOQ Row no 1.07	Defibrillator	Deleted & any price quoted in this row will not be considered in the price evaluation
BOQ Row no 1.17	ANGIO SIMULATOR	Percutaneous Acute mechanical circulatory support system with a flow of more than 2 ltrs (Impella or equivalent)
25.1.1.1	Additional point:	Flush mounted full length wardrobe with glass doors (3 nos) must be supplied to keep the stents & catheters etc materials inside the lab. The Doors (D6 & D2) mentioned in the drawing must be sliding type (SS/HPL) with lead lining& viewing window as per the AERB guideline ,W1 will be lead glass viewing window .
	Electrical work should consist of point wiring in all rooms, using copper wiring, sockets & switches (renowned make like Finolex, Havells, V-Guard etc. or equivalent) Cable trench and trays should be provided.	<ul style="list-style-type: none"> Electrical work should consist of point wiring in all rooms, using copper wiring, sockets & switches Electrical Panel (renowned make like Finolex, Havells, V-Guard etc. or equivalent) Cable trench and trays should be provided. The cable length from DG Panel to UPS room (Ground Floor) to Cathlab(1st floor) will be 70 m \pm15% (approx.) . The cable size must be 3.5 x 185 sq mm.
	Additional point	Warranty & CMC must cover the main unit including all the third-party items & turnkey works .
	<ul style="list-style-type: none"> Flooring in console Patient preparation and Examination room should be 600x600 mm vitrified non-slippery tile. (Kajaria, Johnson & Johnson make). 	<p>Flooring in console room and Inside the lab area should be The flooring inside the OT should seam less be done with medical grade vinyl tiles/rolls/high class epoxy flooring having conductive properties conforming to standards DIN EN 1081, DIN EN 1815, EN 12466, EN 425, EN 423 & EN 433</p> <p>It should display excellent resistance to chemical products such as detergents, acids and alkaline products</p> <p>It should be carrying characteristics of fire resistant, scratch resistant, chemical resistant & resistance to fungi – bacterial growth.</p> <p>It should be non-absorbent, impervious and non-porous.</p>

	<ul style="list-style-type: none"> • Ductable Split units, amounting to a total tonnage of 22 TR, (16.5 TR Working + 5 TR Standby) of Bluestar or equivalent make. Make: Blue Star/LG/Carrier/Voltas/Equivalent • Temperature range considered for area under scope should be 22±2 degree Celsius. 	<ul style="list-style-type: none"> • Ductable Split units, with appropriate HEPA filters amounting to a total tonnage of 22 TR, (16.5 TR Working + 5 TR Standby) of Bluestar or equivalent make. Make: Blue Star/LG/Carrier/Voltas/Equivalent • Temperature range considered for area under scope should be 20±2 degree Celsius . <p>All the main AC units must be fitted outside of the LAB area for better accessible for service. Proper drainage has to be done.</p>
		<p>Dual bay wall mountable SS/SMS top automatic temp control scrub station with optoelectronic thermostatic control taps & soap- and disinfectant dispenser must be supply along with the system .</p> <p>Installation & commissioning of this scrub station with all related accessories must be a part of the turnkey project .The scrub are must be fitted with full width of glass in the wall.</p>
	Furniture Additional point	A ergonomically designed prefabricated console table with facility to accommodate all monitors & systems must be install in the console/Control room
		All the Door, Windows, Viewing windows must be lead lining for radiation protection as per the guidelines of AERB .
		All the turnkey work related to room layout and designing of the cathlab area along with the console room must be as per the guidelines of AERB .

Proposed plan for Cath lab (Shaded Area)



Note: The last date and time of submission of e-bids is extended upto **1400 hours of 11.02.2020.**

All other terms and conditions remains the same.

For further details regarding amendment, addendum, extension and downloading of documents, please visit website: www.eprocure.gov.in /www.neigrihms.gov.in; Tel/Fax: 0364-2538032; E-mail: storeneigrihms@gmail.com.

Sd/-
Stores & Procurement Officer,
For and on behalf of Director, NEIGRIHMS

North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences
(An Autonomous Institute, Ministry of Health and Family Welfare, Government of India)
Director's Block, Mawdiangdiang, Shillong 793 018 (Meghalaya)

Tender Amendment No: NEIGR/S&P/04/12/2019 -20

Dated: 16.12.2019

e-TENDER AMENDMENT

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A.8	Simultaneous movement of two axis for isocentric positioning. All movements of gantry should be controlled from the joystick on the table side as well as control panel.	Simultaneous movement of two axis for isocentric positioning. All movements of gantry should be controlled from the joystick on the table side and touch screen module.
A.11	The table should have motorized/manual axis tilt with head-down and head-up of at least +/- 15 degrees. In addition transverse tilt of the table may be quoted as option and price should be quoted separately. (to be deleted)	Deleted
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	X-Ray tube should be minimum dual focus with high cooling rate to ensure continuous operation, capable of pulsed fluoroscopy. Please specify the focal spot sizes and kW outputs.	X-Ray tube should be minimum dual focus (large & Small) with high cooling rate to ensure continuous operation, capable of pulsed fluoroscopy. Please specify the focal spot sizes and kW outputs.
C.6.a	Latest dose reduction protocol should be available during acquisition.	Latest dose reduction software & hardware for dose reduction) protocol should be available during acquisition.
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	Additional point	Warranty & CMC must cover the main unit including all the third-party items.
Commercial Amendment:		
1.	The firm has to give an affidavit duly attested by the Notary Public (in original) on a non-judicial stamp paper of Rs. 10/= that the firm is not supplying the item of identical description (i.e. same nature, class, specifications, warranty, quantity and other commercial terms & conditions at lower rates quoted in this tender to any Government/Private organization or any other institution during past one year, as per "FALL CLAUSE" adhered by DGS & D and other Government agencies.	
2.	Payment of Custom Duty amount with CDEC (if applicable), Customs Clearance and handling charges, Loading/Unloading, Road permit charges, Inland Transportation, Incidental Costs till consignee site & Incidental Services (including Installation & Commissioning, Supervision, Demonstration and Training) will be reimbursed in Indian Rupees to the Indian agent Indian Subsidiary/ local company/ agency on the basis of submission of actual payment proofs documents.	
3.	Required Delivery Schedule: - For Imported goods directly from foreign (FOB Contracts):- 120 days from the date of operation of Letter of Credit or AERB site approval, whichever is later, inclusive of 30 days for Installation & Commissioning, Supervision, Demonstration, Trial run and Training etc. as specified in the e-bidding documents (Bidders may quote earliest schedule)	

4.	The manufacturer has to give Authorization Letter for supplying the accessories by the third party
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Note: The last date and time of submission of e-bids is extended upto **1400 hours of 31.01.2020.**

All other terms and conditions remains the same.

For further details regarding amendment, addendum, extension and downloading of documents, please visit website: www.eprocure.gov.in
[/www.neigrihms.gov.in](http://www.neigrihms.gov.in); Tel/Fax: 0364-2538032; E-mail: storeneigrihms@gmail.com.

Sd/-
Stores & Procurement Officer,
For and on behalf of Director, NEIGRIHMS