

Dated: 14.06.2017

Amendment No. 2**Sub: Amendment to the tender enquiry****Ref: Tender Enquiry HITES/PCD/PMSSY-III/04/RAD/2017-18 dated 09-05-2017 read with its clarification No. 1 dated 16.05.2017 and Amendment No. 1 dated: 03.06.2017.**

Following changes have been incorporated in the referred tender enquiry.

SECTION - VII**TECHNICAL SPECIFICATION****Item Sl. No. 01**

1000 mA X-Ray System with Digital Flat Panel Detector		
Para No.	Existing Tender Specification	Amended as
2	Flat Panel Detector:	Flat Panel Detector:
	g. Tube assembly movement to be automatically synchronized with the detector movement.	Tube assembly movement to be automatically synchronized with the detector movement in vertical direction
	j. DQE at 0lp/mm should be at least 65% or more.	j. DQE at 0lp/mm or 0.5lp/mm should be at least 65%
3	Generator	Generator
	d. Output 1000mA or more at 80 KV or better.	Deleted
	e. KV/MA output specifications.	Deleted
	f. Minimum exposure time should be 1 ms or less.	f. Minimum exposure time should be 2 ms or less.
4	X-Ray Tube	X-Ray Tube
	b. Focal spots of the following sizes:	b. Focal spots of the following sizes:
	Large Focus: 1.2mm or less	Large Focus: 1.3mm or less
5	Ceiling suspension	Ceiling suspension
	d. Monitoring of all the position data on colour touch screen for system control (kV, mAs, SID, tube angle, column angle)	d. Monitoring of all the position data on colour touch screen for system control (kV, mAs, SID, tube angle)
8	Filter & Collimator	Filter & Collimator
	b. Square collimation: manual 85 motorized, should be controllable by organ programming.	b. Square collimation: motorized, should be controllable by organ programming.

	e. Display of collimation, filter 86 SID.	e. Display of collimation, filter & SID.
9	Operating (Acquisition) Station	Operating (Acquisition) Station
	f. System should have latest processor with 4GB or more RAM and 2TB or more storage capacity	f. System should have latest processor with 4GB or more RAM and total storage capacity of atleast 2TB (internal and /or external)
		Added Para: Automatic stitching should be available.
	The Turnkey Scope of Work – DR	The Site Modification Work - Scope of Work – DR
	1. The Supplier should inspect the proposed site offered by the Consignee Institute in which the DRF system has to be installed and they are required to submit the plan for the complete DRF Centre on a turnkey basis. The scope of work includes complete Civil work, Electrical, Plumbing, Furnishing, Air-conditioning and Fire fighting for the construction of DRF Centre.	1. The scope of work includes complete Civil work, Electrical, Plumbing, Furnishing, Air-conditioning and Fire fighting for the construction of DRF Centre.
	3. The cost of Turnkey for the area of 1000sq.ft and Air-conditioning of Tonnage 12 TR will be considered for Ranking / Evaluation purpose.	3. The cost of Site Modification Work for the area of 1000sq.ft and Air-conditioning of Tonnage 12 TR will be considered for Ranking / Evaluation purpose.
	4. Moreover Bidders will have to quote the Unit Rates of the following components of turnkey work .	4. Moreover Bidders will have to quote the Unit Rates of the following components of Site Modification work .
	Scope of work for turnkey DRF system: d) Patient preparation room	Scope of work for Site Modification Work DRF system: d) Patient preparation room cum change room
	The actual area of turnkey works done will be considered for payment, based on the unit rates and site measurements	The actual area of Site Modification Work done will be considered for payment, based on the unit rates and site measurements
2	Plumbing work	
	All water pipes and fittings shall be of high density polythene of approved and standard make. The gratings shall be brass chrome plated. All plumbing accessories should be of standard make.	Deleted
	BOQ	
	Turnkey Work (1000 sq ft) as per specification	Site Modification Work (1000 sq ft) as per specification
	Miscellaneous:	Miscellaneous:
	1. LED X-ray Film viewer - 2 NO.s	1. LED X-ray Film viewer - 3 NO.s
	4. Lead glass 90 x 90 cm for console room - 1 no.	4. Lead glass 120 x 90cm for console room - 1 no.

Item Sl. No. 10

Digital Flat Panel Radiography cum Fluoroscopy System (DRF)		
Para No.	Tender Specification	Amended as:
	Generator:	Generator:
	ii. Exposure kV range should be 40-140 kV	ii. Exposure kV range should be 40-125 kV
	It should be able to work on 800 mA at 80 kW for Radiography and from 0.5 to 5 mA at fluoroscopy	It should be able to work on 800 mA at 100 kV for Radiography and from 0.5 to 5 mA at fluoroscopy
1	X-ray tube:	X-ray tube:
	v. Large focal spot power rating should be atleast 70 kW	v. Large focal spot power rating should be atleast 60 kW
2	Table:	Table:
	i. Floor mounted table with carbon fibre table top , scratch resistant surface – give details	i. Floor mounted table with carbon fibre or equivalent table top , scratch resistant surface – specify the material
	ii. System should be motor driven, height adjustable with longitudinal and horizontal table top movements. Please specify the range of movements	ii. System should be motor driven, height adjustable with longitudinal movement of table top/detector and horizontal table top movements. Please specify the range of movements
	x. Table height should be range between 50-90 cm ($\pm 5\%$)	x. Table height should be range between 70-90 cm ($\pm 5\%$)
3	Direct digital imaging system for fluoroscopy:	Direct digital imaging system for fluoroscopy:
	i. Field of view of at least 40 x 40 cm or more	i. Field of view of at least 40 x 40 cm or more / 35 x 43 cm with rotating facility
4	Detector system:	Detector system:
	ii. Detector must be at least 40 x 40 cms or more	ii. Detector must be at least 40 x 40 cms or more / 35 x 43 cm with rotating facility
8	Control console:	Control console:
	ii. The system should have facility for edge enhancement, positive/ negative display, windowing, contrast/ brightness, electronic shuttering, image/ pixel shifting , vertical and horizontal image reversal, and zoom functions	ii. The system should have facility for edge enhancement, positive/ negative display, windowing, contrast/ brightness, electronic shuttering, vertical and horizontal image reversal, and zoom functions
10	Accessories:	Accessories:
	Lead glass as per AERB norm and size 120 x 90 cm for console room	Lead glass as per AERB norm and size 120 x 90 cm or more for console room
BOQ		
	Miscellaneous: BOQ	Miscellaneous: BOQ
4	Lead glass 90 x 90 cm for console room- 1no	Lead glass for console room- 1no
		Added para: Toilet (Optional) - 1

SECTION – XI

PRICE SCHEDULE

New Price Sheet format is uploaded for all the tenders (RFx) under the referred Tender Enquiry with inclusion of a 'Remarks' column. Bidder(s) who wish to offer a bundle price against a few BOQ line items, may opt to do so by specifying in the remarks column e.g., against sl. no. x₁, that 'this price includes prices of line item at sl. nos. x₂, x₃, x₅, etc....'. Accordingly, in the remarks column of those line items (at sl. nos. x₂, x₃, x₅, etc....) shall be specified as 'included at sl. no. x₁'

In case, an instruction in the specification asks for a BOQ line item to be quoted separately, the same to be quoted mandatorily as a separate price and must not be added in the bundle offer.

Bidders are advised to fill their prices by downloading this new Price Sheet format for submission of their price bid.

All other contents of the tender enquiry including terms & conditions remain unaltered.

Note:

Prospective Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids.