30.12.2021

TAMILNADU MEDICAL SERVICES CORPORATION LTD.,

TENDER FOR FIXING RATE CONTRACT FOR SUPPLY AND INSTALLATION OF DIGITAL X RAY AND PACS SYSTEM TO VARIOUS GOVT. INSTITUTIONS

TENDER NO. 740/XR/NHM/TNMSC/ENGG/2021,DT.29.09.2021

Corrigendum

a) The following clarification are issued:-

Sl. No.	Tender document reference	Instead of	Read as
1.	Page no. 55 Section VI - Technical Specification 1A. Specification of Digital X-ray (Type-I) Generator	Generator should be manufactured by X ray model manufacturer	Deleted
2.	Page no. 56 Section VI - Technical Specification 1A. Specification of Digital X-ray (Type-I) Tube Stand	Should have vertical travel range of 180cm or more	Should have vertical travel range of 150cm or more
3.	Page no. 56 Section VI - Technical Specification	Should have vertical travel of 35cm to 150cm from floor	Should have vertical travel of 40 cm to 150cm or more from floor.

Sl. No.	Tender document reference	Instead of	Read as
	1A. Specification of Digital X-ray (Type-I) Wall Stand		
4.	Page no. 56 Section VI - Technical Specification Digital X-ray (Type-I) Flat Panel Detector	Detector should be manufactured by X ray model manufacturer.	Deleted
5.	Page no. 61 Section VI - Technical Specification 1B. Specification of Digital X-ray (Type-II) Ceiling Mounted system with auto tracking for table & vertical bucky.	3. Tube column rotation at vertical axis and horizontal axis – Please specify. It should be feasible to take AP, lateral and oblique view images of any given Anatomical region in normally ambulant and emergency patients.	3. Tube head/ column rotation at vertical axis and horizontal axis – Please specify. It should be feasible to take AP, lateral and oblique view images of any given Anatomical region in normally ambulant and emergency patients.
6.	Page no. 63 Section VI - Technical Specification 1B. Specification of Digital X-ray (Type-II) 10. Others	8. The quoted model should be AERB type approved.	8. The quoted model should be AERB type approved/ AERB NOC obtained.

b) The following are clarifications issued :-

Sl. No.	Tender document reference	Points raised	Clarification
1.	Page no. 51 Section V – Schedule of Requirements	Request to indicate the quantity separately for each type.	No change. Hence published technical specification prevails.
2.	Page no. 55 Section VI - Technical Specification 1A. Specification of Digital X-ray (Type-I) Fully integrated high frequency digital radiography x-ray system with dual flat panel detector, wall stand, AEC Electronics, table, and single integrated medical grade console both generator and imaging. The system should be capable of both supine and erect radiological examinations.	Request to amend wall stand as “floor mounted vertical bucky stand” as usually The Vertical bucky stand for chest X-ray is floor mounted and the same is more sturdy, also as per AERB protocol the Chest stand should be 1.8 Meter away from the wall as a standard protocol for radiation protection which eliminates the possibility of wall stand.	No change. Hence published technical specification prevails.
3.	Page no. 55 Section VI - Technical Specification 1A. Specification of Digital X-	Request to amend as ' Minimum two compounds out of three major components (Flat panel detector, x ray	No change. Hence published technical specification prevails.

Sl. No.	Tender document reference	Points raised	Clarification
	ray (Type-I) Ceiling mounted digital radiography x-ray system with dual detector Minimum two compounds out of three major components (Flat panel detector, x-ray generator and X-ray tube) must be manufactured bidder.	generator and X-ray tube) must be manufactured by the same manufacturer. Documentary evidence must be provided to prove the full integration of the above major components in the offered product.	
4.	Page no. 55 Section VI - Techncial Specification 1A. Specifcation of Digital X-ray (Type-I) Generator Generator should be of high frequency if minimum 100kHZ or more	Request to amend as 50kHZ or more Request to amend as Generator should be of high frequency of minimum 200kHZ or more Request to amend as 60kHZ or more	No change. Hence published technical specification prevails.
5.	Page no. 55 Section VI - Techncial Specification 1A. Specifcation of Digital X-ray (Type-I)	Request to amend as Minimum range of mAs should be from 0.1 mAs to 630 mAs	No change. Hence published technical specification prevails.

Sl. No.	Tender document reference	Points raised	Clarification
	Generator Minimum range of mAs should be from 0.1 mAs to 1000 mAs		
6.	Page no. 55 Section VI - Technical Specification 1A. Specification of Digital X-ray (Type-I) Generator Should have 500mA or more at 100kv	Request to amend as 'Should have 800mA or more at 100kv'	No change. Hence published technical specification prevails.
7.	Page no. 55 Section VI - Technical Specification 1A. Specification of Digital X-ray (Type-I) X-ray tube Tube should have small focus of 0.6mm and large focus of 1.2mm	Request to amend as Tube should have small focus of 0.6mm and large focus of 1.3mm	No change. Hence published technical specification prevails.
8.	Page no. 55 Section VI - Technical	Request to amend as Should have filtration of minimum 2.0mm @ 70kVp.	No change. Hence published technical specification prevails.

Sl. No.	Tender document reference	Points raised	Clarification
	Specification 1A. Specification of Digital X-ray (Type-I) Collimator Should have filtration of minimum 2.0mm @ 100kVp		
9.	Page no. 56 Section VI - Technical Specification 1A. Specification of Digital X-ray (Type-I) Tube Stand Should have image preview at tube head display and allows to set x ray factors	Request to delete this point	No change. Hence published technical specification prevails.
10.	Page no. 56 Section VI - Technical Specification 1A. Specification of Digital X-ray (Type-I) Table Should have elevating range	Request to amend as 'Should have elevating range of 57cm to 80cm from floor	No change. Hence published technical specification prevails.

Sl. No.	Tender document reference	Points raised	Clarification
	of 55cm to 80cm from floor		
11.	Page no. 56 Section VI - Technical Specification 1A. Specification of Digital X-ray (Type-I) Table Should have minimum Length of 200 cm and width of 90 cm	Request to amend as Should have minimum Length of 200 cm and width of 75cm “add +/- 10% tolerance”	No change. Hence published technical specification prevails.
12.	Page no. 56 Section VI - Technical Specification Digital X-ray (Type-I) Flat Panel Detector	Request to amend as Fixed detector instead of Wireless detector. If fixed detector to revise the IP rating to atleast IPX1 or more.	No change. Hence published technical specification prevails.
13.	Page no. 57 Section VI - Technical Specification Digital X-ray (Type-I) Flat Panel Detector Should have removable batteries and charger for the	Requested to delete this point	No change. Hence published technical specification prevails.

Sl. No.	Tender document reference	Points raised	Clarification
	battery should be provided		
14.	Page no. 57 Section VI - Technical Specification Digital X-ray (Type-I) Flat Panel Detector Wireless detector provided should be free from any integration with X ray machine. The same detector should be able use with any mobile X ray machine, as a future upgradation, using additional console and software.	Requested to delete this point	No change. Hence published technical specification prevails.
15.	Page no. 57 Section VI - Technical Specification Digital X-ray (Type-I) Flat Panel Detector Detector should have sensor protection and should ingress protection rating of minimum	Request to amend as 'Detector should have sensor protection and should ingress protection rating of minimum IPX4 or more	No change. Hence published technical specification prevails.

Sl. No.	Tender document reference	Points raised	Clarification
	IP45 or more		
16.	Page no. 57 Section VI - Technical Specification Digital X-ray (Type-I) Acquisition Console DR Console should have manufactures by X ray model manufacturer	Request to amend as 'DR console software should be from the same manufacturer as that of DR hardware.	No change. Hence published technical specification prevails.
17.	Page no. 60 Section VI - Technical Specification Digital X-ray (Type-I) Warranty Replacement of detector should be covered under 3 year's warranty.	Request to clarify that how many replacements is to be done by vendor in case of the detector manufacturing defects. Also request to clarify whether this replacement is mandatory for manhandling or misuse of the detector also.	Replacement of defective Detectors should be covered under warranty & CAMC.
18.	Page no. 60 Section VI - Technical Specification 1B. Specification of Digital X-ray (Type-II)	Request to amend as "Microprocessor Controlled Generator should be of high frequency 50KHz or more	No change. Hence published technical specification prevails.

Sl. No.	Tender document reference	Points raised	Clarification
	2.Generator 1. Generator should be of latest technology "with minimum 100khZ" high frequency/inverter technology for constant output		
19.	Page no. 60 Section VI - Technical Specification 1B. Specification of Digital X-ray (Type-II) 2.Generator 5. It should have automatic exposure control device.	Request to amend as it should have automatic exposure control device for both wall stand and table.	No change. Hence published technical specification prevails.
20.	Page no. 61 Section VI - Technical Specification 1B. Specification of Digital X-ray (Type-II) Ceiling Mounted system with auto tracking for table & vertical bucky. 5. Patient side control panel	Request to amend as 'Patient side "Tube Head display" control panel located in ceiling suspended control / console will enable the technician to adjust the parameters like mA, KVP, time etc., from the patients room even while positioning patient. Also, should have image preview on	No change. Hence published technical specification prevails.

Sl. No.	Tender document reference	Points raised	Clarification
	located in ceiling suspended control / console will enable the technician to adjust the parameters like mA, KVP, time etc., from the patients room even while positioning patient. This is a mandatory requirement.	display to handle causality cases smoothly.	
21.	Page no. 61 Section VI - Technical Specification 1B. Specification of Digital X-ray (Type-II) 4. X-ray Table 5. It should have flat top of carbon or equivalent material to be specified	Request to amend as “Radiolucent tabletop”	No change. Hence published technical specification prevails.
22.	Page no. 63 Section VI - Technical Specification 1B. Specification of Digital X-ray (Type-II) 10. Others 2. Dry laser camera / Dry	Request to amend as 'Dry laser camera / Dry thermal imager 500 dpi or more for printing the digital images. The camera should print atleast “2” online film sizes of any standard such as 14” x 17”,11” x 14”, 10” x 12”, 8” x 10”. It should be compatible to film of	No change. Hence published technical specification prevails.

Sl. No.	Tender document reference	Points raised	Clarification
	thermal imager 500 dpi or more for printing the digital images. The camera should print atleast 3 online film sizes of any standard such as 14” x 17”, 11” x 14”, 10” x 12”, 8” x 10”. It should be compatible to film of any make. 1 Box films each of the above standard offered online film sizes should be provided as a starter pack-up.	any make. 1 Box films each of the above standard offered online film sizes should be provided as a starter pack-up.	
23.		Request to included additional detector for the system in the price bid.	No change. Hence published technical specification prevails.

The due date is extended as follows:-

Sale of Bid document up to :- 19.01.2022

Date & time for submission of bids :- 20.01.2022 up to 11.00 AM

Date & time for submission of bids :- 20.01.2022 at 12.00 Noon

All other terms and conditions of the tender remain unaltered.

The above forms part of the bidding documents. The bidder shall attach the copy of this corrigendum duly signed by their authorized signatory, in their bid.

Sd/-
General Manager (E)