



## RAJASTHAN MEDICAL SERVICES CORPORATION LTD.

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No. F-8( ) RMSC/EPM/M-1/2020-21/NIB-482/ 4457

Dated: 20/07/2020

CLARIFICATION/CORRIGENDUM/ADDENDUM

**Subject: Revised bid schedule of bid document of item CATH Lab, under No. F-8( ) RMSC/EPM/M-1/2020-21/NIB-482/4168 date: 01.06.2020**

In reference to subject cited above NIB-482, various representation received from the firms and issues raised by the bidder are examined by the competent authorities and technical committee. The following clarification/corrigendum/addendum is issued for inclusion in bid document of items as below:-

Sr. No.	Specifications as per Bid Data sheet	Amendment / addition / deletion
1.1	C arm/ G arm should be latest design, for clear free floor space with head to toe covering of the patient without repositioning the patient. It should be ceiling or floor mounted. It should be possible to position the C arm/ G arm on both side ( right or left) of patient for head to toe imaging without repositioning of the patient.	C arm/ G arm should be latest design, for clear free floor space with head to toe covering of the patient without repositioning the patient. It should be ceiling or floor mounted. It should be possible to position the C arm/ G arm on both side ( right or left) of patient for head to toe imaging without repositioning of the patients of 175 cm or more.
1.2	All movements should be motorized with C-Arm angulation of minimum RAO/LAO +110deg. / -110 deg. OR + 105 deg. / -110 deg., CARN/CAUD +45 deg. At head end position. With 22 deg. /sec or more speed for LAO/RAO and 12 deg./sec or more speed for CARN/CAUD.	All movements should be motorized with C-Arm angulation of minimum RAO/LAO +110deg. / -110 deg. OR + 105 deg. / -110 deg. OR + 120 deg. / -120 deg., CARN/CAUD +45 deg. At head end position. With 22 deg. /sec OR more(i.e. 25 deg. /sec incorporated as per bidders suggestion) speed for LAO/RAO and 12 deg./sec or more speed for CARN/CAUD.
1.3	Arm design should allow sufficient space around the table during resuscitation and defibrillation. Manual/Motorized parking of the C-Arm in case of catastrophe for resuscitation the patient.	Arm design should allow sufficient space around the table during resuscitation and defibrillations and patient table can be parked away from cath lab gantry to create free space around the patient in case of emergency .
2.4	Other Requirements :- E. Lift speed should be 200 mm/sec or more	Other Requirements :- E. Lift speed should be 20 mm/sec or more
3.4	Should have ADRC for fluoroscopy.	Should have ADRC for fluoroscopy. The mA range for fluoroscopy has already being mentioned in Point No 4.1
4.1	X-Ray tube should be minimum of two focal spots ( small and large, 0.6 mm or less and 1.0mm or less ) with high cooling rate to	X-Ray tube should be grid control type , having minimum of two focal spots ( small and large, 0.6 mm or less and 1.0mm or less ) with high cooling rate to ensure continuous operation



	ensure continuous operation capable of pulsed fluoroscopy on both focal spot, The large focus output should be 80 KW or more. The pulse Fluoroscopy should be offered with pulse rate of 10 frames/sec to 30 frames/sec.	capable of pulsed fluoroscopy on both focal spot, The large focus output should be 80 KW or more. The pulse Fluoroscopy should be offered with pulse rate of 10 frames/sec to 30 frames/sec. The X-Ray tube shall have fluoroscopy of 130 mA or more.
6.3	Image storage capacity of at least 50,000 images in 1024 x1024 matrix at as more bits on the main system disk. A minimum of 12 bit acquisition, with at least 3 levels of zoom. The DQE of detectors should be >75 %.	Image storage capacity of at least 50,000 images in 1024 x1024 matrix at as more bits on the main system disk. A minimum of 16 bit acquisition, with at least 3 levels of zoom. The DQE of detectors should be >70 %.
6.7	The latest complete software and hardware for visualizing stent with high resolution from table side control.	The latest complete software and hardware for visualizing stent with adaptive modification in contrast to achieve fade in fade out effect of stent with respect to background from table side control.
7.2	One at least 27 inches high resolution TFT/LCD monitors for post processing and reporting in the control room.	One No. Minimum size of 24 inch high resolution TFT/LCD monitors OR 2 No. Minimum size of 19 Incheshigh resolution TFT/LCD monitors for post processing and reporting in the control room.
8.2	USB interface to copy images to memory disk/external hard disk.	USB interface to copy images to memory disk/external hard disk/CD/DVD.
8.3	Cath Lab should be supplied state of art, complete coronary, ventricular and vascular on line and off line (both) quantifications software programs which are clinically validated operable from exam room and control room. Auto calibration should be possible. All recall of stored images in fast –slow-still modes to select images at tableside itself. Integrated intercom facility between control room and examination room. Display and recording of radiation dose for each procedure should be available on console.	Cath Lab should be supplied state of art, complete coronary, ventricular and vascular on line and off line (both) quantifications software programs which are clinically validated operable from exam room and control room OR from control room only. Auto calibration should be possible. All recall of stored images in fast –slow-still modes to select images at tableside itself. Integrated intercom facility between control room and examination room. Display and recording of radiation dose for each procedure should be available on console.
10.0	UPS: Suitable online UPS with 30 min battery backup for complete Cath Lab including cine and fluoroscopy. Emergency lighting should also be on UPS all level 1200 KVA capacity 30 min.	UPS: Suitable online UPS with 30 min battery backup for complete Cath Lab including cine and fluoroscopy. Emergency lighting should also be on UPS all level 120 KVA or more capacity 30 min.

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**Revised Bid Schdeule--**

E-bids are invited as per following revised time schedule:-

Existing Dates			Extended Dates		
Last date & time for sale of bid form	Last date & time of receipt of bid form	Date & time of opening of technical bid	Last date & time for sale of bid form	Last date & time of receipt of bid form	Date & time of opening of technical bid
23.07.2020 11:00 a.m.	23.07.2020 6:00 p.m.	24.07.2020 11:00 a.m.	04.08.2020 11:00 a.m.	04.08.2020 6:00 p.m.	05.08.2020 11:00 a.m.

It is also clarified that information of award of contract shall be communicated to all participating bidders on the website [www.rmssc.nic.in](http://www.rmssc.nic.in) and [sppp.raj.nic.in](http://sppp.raj.nic.in). Please note that individual bidder will not be intimated."

**Note:-** Please note that all above amendments/corrigendum in technical specifications/bid conditions is the integral part of (Section-V, Schedule of Supply, and Point no. 3) and the bid document. This corrigendum/ addendum should be signed and annexed with bid document. All other terms & conditions remains the same.

Executive Director (EPM)  
RMSCL, Jaipur

