Government of Rajasthan

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No. F.2 ( )/RHSDP/EPMC/2010/3979 Date: 23-03-2010

To,
M/s ----------

Subject: Minutes of Pre Bid Conference
Reference: 1-Pre Bid Meeting held on 16-08-2010
2- IFB No. F.2 (35)/RHSDP/EPMC/2010/3378 Dated 20-07-2010

Please refer the above cited subject.
A pre bid conference was held on 16-08-2010 in reference to above mentioned IFB for procurement of medical equipments through National Competitive Bidding (NCB).
The minutes of pre bid conference is enclosed herewith.
Please acknowledge the receipt.

-sd-
Sr. Accounts Officer
RHSDP. Jaipur.

Encl.: As above

Government of Rajasthan

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Minutes of Pre -Bid -Conference

Ref: IFB No. F.2 (35)/RHSDP/EPMC/2010/3378/ NCB- Dated 20-07-2010
Date: 16-08-2010 T**ime:1**4:30 hrs
Venue: Conference Room : PMU

A pre bid conference was held on 16-08-2010 in reference to NCB for procurement of Medical Equipments. The prospective bidders / bidder's authorized representatives were attended the pre-bid conference. It was asked in the pre bid conference form the prospective bidders / bidder's authorized representatives to submit their queries in writing.
The queries submitted by the prospective bidders / bidder's authorized representatives and the responses are as follows:

Sr. No.	Description	Queries	Response
1	Technical Specification of Mobile X-ray machine.	i- Out put of the X-ray generator should be 15 KW or more instead of 18 KW. ii- Output of X-ray generator should be 25 KW or more. iii- Output of X-ray generator should be 30 KW or more.	Please refer the Section VI Technical Specifications of Mobile X-ray machines by which it has been asked "The output of X-ray generator should be 18 KW or more". Single phase mains supplies are typically rated at 3 kW, but since some mobile x-ray machines use batteries to store power, outputs of at least 40 kW are possible with a single phase supply. Reducing the output of the x-ray generator will reduce the maximum x-ray tube current available and thus require longer x-ray exposures with consequent degradation of image quality from patient movement. However any one wants to quote more than 18 KW output then it is also acceptable.
2	Technical	The frequency of high	Please refer the Section VI

	Specification of Mobile X-ray machine.	frequency machine should be mentioned as 100KHz or more.	Technical Specifications of Mobile X-ray machines by which it has been asked "The Unit should be able to give an output high frequency up to 150 ma". The high frequency machine generally works on 100kHz or more. The 150 mA will be achieved in high frequency when the frequency is 100KHz or more. Therefore there is no need for mentioning 100 KHz or more frequency
3	Technical Specification of Mobile X-ray machine.	The focal spot size should be changed from 0.6mm to 0.8mm.	Please refer the Section VI Technical Specifications of Mobile X-ray machines by which it has been asked "X ray Tube –Rotating Anode type with focal spot size of 0.6mm". The requirement is clearly defined in the technical specifications. However, a small focal spot tends to concentrate heat and give the focal spot track a lower heat capacity, lower patient dose and better image.
4	Technical Specification of Mobile X-ray machine.	The equipment should work on power plug of 15 amps. also.	Please refer the Section VI Technical Specifications of Mobile X-ray machines by which it has been asked "The Unit should work on high frequency X-ray generation technology & it should be able to work with input voltage of 170-250 volts, with mains resistance <1.5 Ohm. Overload protection by continuous monitoring of parameters". Single phase supply generally have power plug of 5 amps & 15 amps. Since we have asked mobile X-ray machine having output of X-ray generator 18 KW or more therefore it will wok on 15 amps power plug. Therefore it is not necessary to mention the equipment should work on 15 amps. power plug.
5	Technical Specification of	Control should display KV & mAs on LCD.	Please refer the Section VI Technical Specifications of Mobile

	Mobile X-ray machine.		X-ray machines by which it has been asked "Should have independent Kvp & mAs Display". The requirement is clearly defined in the technical specifications. The display is meant for the rating of Kvp & mAs. Both LCD & LED display will serve the purpose. In X-ray machine particularly there is no need to visualize the display from the distance. Since the radiographer while taking X-ray does not go far ahead so that he cannot see the display of Kvp and mAs in better way. Therefore there is no need for amendment in the technical specifications.
6	Technical Specification of Mobile X-ray machine.	The unit must have electronic timer from 0.02 to 0.5 sec or better.	Please refer the Section VI Technical Specifications of Mobile X-ray machines by which it has been asked "Unit must have electronic timer 0.02 to 5 sec". The requirement is clearly defined in the technical specifications. The timer is required for giving the exposure. In certain cases there is requirement of high dose of X-ray in such a situation more timer range (greater than 0.5 sec) is needed. Therefore for better timer range we have asked the electronic timer must have from 0.02 to 5 sec. Generally all the X-ray manufacturing companies do have this range of electronic timer.
7	Technical Specification of Mobile X-ray machine.	There is no need for mentioning the movements of the X-ray machine and please mention the movement of the tube and arm should be such that it should easy to do X-ray for all parts of body easily.	Please refer the Section VI Technical Specifications of Mobile X-ray machines by which it has been asked " Movements are :- i. Up/Down. ii. Vertical travel. iii. In/Out travel. iv. Angular travel". The requirement is clearly defined in the technical specifications. The above movements are self explanatory for taking X-ray of all

			parts of body. It is also important to note that the above movements are much generalized movement required in the mobile X-ray machine. All the X-ray manufacturing companies do have facilities of above movements.
8	Technical Specification of Mobile X-ray machine.	The unit should be CE / FDA approved.	Please refer the Section VI Technical Specifications of Mobile X-ray machines by which it has been asked "The equipment should be certified by BIS & AERB for Safety regulation". The requirement is clearly defined in the technical specifications. BIS and AERB are the competent authority to certify the X-ray machine in terms of its mechanical and radiation safety. It is also important to note that every country have certain norms with regards to the safety of radiation. In India this is being assured by Atomic Energy Regulatory Board of India (AERB). Therefore there is no need for amendment in the technical specifications.
9	Technical Specifications of Autoclave H.P. (Horizontal)	The jacket shall be insulated with Fibre Glass Wool-2" thick.	Please refer the Section VI Technical Specifications of Autoclave H.P. (Horizontal) by which it has been asked "The jacket shall be puff insulated (environment friendly) to minimize the heat losses". The requirement is clearly defined in the technical specifications. The basic purpose of insulation is to minimize the heat losses. For heat losses puff insulation is better.
10	Technical Specifications of Autoclave H.P. (Horizontal)	The unit shall be mounted on M.S. tubular steel frame duly painted with epoxy paint and be fitted with grounding leveling screwed flanges.	Please refer the Section VI Technical Specifications of Autoclave H.P. (Horizontal) by which it has been asked "The Unit shall be mounted on aluminum enameled tubular steel frame with ground leveling screwed flanges".

			The requirement is clearly defined in the technical specifications. The aluminum tubular frame is better than M.S. as there is no need for epoxy paint and its stability is better than M.S.
11	Technical Specifications of Autoclave H.P. (Horizontal)	Door shall be fitted with an airtight pressure proof silicon rubber seal / gasket instead of neoprene.	Please refer the Section VI Technical Specifications of Autoclave H.P. (Horizontal) by which it has been asked "Unit Design shall include an airtight pressure proof neoprene seal / gasket". The requirement is clearly defined in the technical specifications. Both neoprene and Silicon serve the same purpose. However if any one wants to supply Silicon gasket then it is also acceptable.
12	Technical Specifications of Autoclave H.P. (Horizontal)	All fittings shall be stainless steel instead of chromium plated.	Please refer the Section VI Technical Specifications of Autoclave H.P. (Horizontal) by which it has been asked "All fittings shall be chromium plated preferably". The requirement is clearly defined in the technical specifications. The chromium plated fittings are more durable therefore it has been asked chromium plated fittings.
13	Technical Specifications of Autoclave H.P. (Horizontal)	Hydraulic test of the sterilizer shall be done as per ISI specifications as under; Jacket- twice the working pressure Chamber- One and half times the working pressure.	Please refer the Section VI Technical Specifications of Autoclave H.P. (Horizontal) by which it has been asked "Hydraulic test shall be done at 2.5 times the working of Sterilizer chamber and working pressure of the jacket respectively". The requirement is clearly defined in the technical specifications. Since the equipment Autoclave H.P. (Horizontal) is sensitive equipment with regards to safety, therefore the above hydraulic test has been asked. Generally all the manufacturers of Autoclave does comply the above mentioned

			requirement.
14	Technical Specifications of Autoclave H.P. (Horizontal)	Power On / Off through electrical I.C.T.P switch to be provided by you on the wall of the room and not through DOL starter.	Please refer the Section VI Technical Specifications of Autoclave H.P. (Horizontal) by which it has been asked "Power on/off through DOL starter to be included". The requirement is clearly defined in the technical specifications. The DOL starter is generally required for 3 phase connection and the item like Autoclave H.P. (Horizontal) it needs 3 phase supply. Also the DOL starter is relatively simple and cost effective. Therefore DOL starter has been asked in the technical specifications.
15	Technical Specifications of Pulse Oxymeter	Should have Nellcore / Masimo or equivalent module	Please refer the Section VI Technical Specifications of Pulse Oxymeter by which it has been asked "The pulse oxymeter should have Nellcore or Masimo module". The requirement is clearly defined in the technical specifications.
16	Technical Specifications of Electro Surgical Unit (Surgical Diathermy)	Technical specifications of Surgical Diathermy should be amended	Please refer Section VI technical specifications of Electrosurgical Unit (Surgical Diathermy) it is more general. Amendment in the technical specifications will restrict the competition.
17	Technical Specifications of Pulse Oxymeter	i- Please allow LED display in pulse oxymeter ii- Plethysmogram display may be seen at computer	Please refer the Section VI Technical Specifications of Pulse Oxymeter by which it has been asked "LCD display (minimum 4") large digital display of SpO_2, pulse rate and plethysmogram with continuous display of high/low alarm limits pulse strength bar graph". The requirement is clearly defined in the technical specifications. LCD display is better in terms of display of bar graph and other parameters of pulse oxymetry.
18	Technical Specifications	Clarify whether the required certificate like BIS /CE	Please refer the Section VI Technical Specifications of Pulse

	of Pulse Oxymeter	marked / USFDA approved certificate should be submitted with the bid or later.	Oxymeter by which it has been asked "Should have BIS or "CE" marked or US FDA approved". The above certificate should be submitted alongwith the bid.
19	Technical Specifications of Syringe Infusion Pumps	Bolus rate with manual & automatic should be added.	Please refer the Section VI Technical Specifications of Syringe Infusion Pumps by which it has been asked "Bolus rate should be programmable to 999 ml/hr or more with infused volume display". The requirement is clearly defined in the technical specifications. In the technical specifications the limit of Bolus rate has defined. This covers the small dose as well as large dose also. The user can set the required rate. Thus there is no need to add bolus rate with manual and automatic.
20	Technical Specifications of Syringe Infusion Pumps	Drug name with dose rate calculation should be added.	Please refer the Section VI Technical Specifications of Syringe Infusion Pumps by which it has been asked "Display of Drug Names with a provision of memorizing about 25 to 30 names of commonly used drugs must be there". Also at a very first line it has been asked "Must have flow rate programmable from 0.1 to 999 ml/hr or more in steps of 0.1 ml/hr Volume Over Time (V/T) infusion mode must be available". The requirement is clearly defined in the technical specifications. The end user can easily calculate automatically the dose rate in ml/hr. Thus there is no need to add drug name with dose rate calculation.
21	Technical Specifications of Syringe Infusion Pumps	Keep Vein Open (KVO) is not necessary.	Please refer the Section VI Technical Specifications of Syringe Infusion Pumps by which it has been asked "Keep Vein Open (KVO) when selected volume is delivered must be available". The requirement is clearly defined in the technical

			specifications. The main advantage of KVO is to prevent catheter from clogging at the end of infusion. All the manufacturers of Syringe Infusion Pumps do have this facility. Thus there is no need to delete this facility.
22	Technical Specifications of Syringe Infusion Pumps	Should include integrated piston break, facility of upper & lower limit of dose, facility of upgrading into PCA. This will help wide competition.	The technical specifications are much generalized and it will not restrict the competition. The facilities like piston break, upper & lower limit of dose etc. are generally available in the manufacturing companies of Syringe infusion Pumps. Thus there is no need for amendments in the technical specifications.
23	Technical Specifications of Bi-Phasic Defibrillator	The energy selection should be amended up to 360 Joules.	Please refer the Section VI Technical Specifications of Bi-Phasic Defibrillators by which it has been asked "The unit should be based on Bi – Phasic technology with energy selection at least up to 200 J". The requirement is clearly defined in the technical specifications. The true rectilinear Bi-Phaisc technology has energy selection up to 200J. The 360J energy is the truncated Bi-Phasic technology not rectilinear Bi-Phasic technology. However 200J for delivering the shock is adequate. The worldwide manufacturer if Bi-Phasic Defibrillator has energy selection up to 200J. Thus there is no need for amendment in the technical specification.
24	Technical Specifications of Bi-Phasic Defibrillator	Please include electronic data transfer through IR or equivalent.	Please refer the Section VI Technical Specifications of Bi-Phasic Defibrillators by which it has been asked "It should have data storage for patient ECG & events (and other parameters) along with a data card / Pen Drive or equivalent for taking out data". The

			requirement is clearly defined in the technical specifications.
25	Technical Specifications of Bi-Phasic Defibrillator	Upgradeable to Pulse Oxymetry, Pacer mode, NIBP & EtCO2 should be deleted.	Please refer the Section VI Technical Specifications of Bi-Phasic Defibrillators by which it has been asked "The unit should be upgradeable to Pulse Oximetry, Pacer mode, NIBP and EtCO2 at site". The requirement is clearly defined in the technical specifications. If any one in the field wants to upgrade this feature in the Defibrillator so that the upgradeability of these features should be there in the Bi-Phaic Defibrillator.
26	Technical Specifications of Bi-Phasic Defibrillator	Please indicate that the unit should be CE marked / USFDA approved.	Please refer the Section VI Technical Specifications of Bi-Phasic Defibrillators by which it has been asked "The unit should meet all national/international recognized safety standard including IEC-60601-1-2. The unit should be CE marked / US FDA approved". The requirement is clearly defined in the technical specifications.
27	Technical Specifications of Fowler Bed	Technical specifications of Fowler Bed should be amended in terms of dimensions.	Please refer the Section VI Technical Specifications of Fowler Bed in which we have given the detail dimensions of the bed. These dimensions are in approximate size. If anyone one wants to quote the fowler bed with more than these dimensions then it is acceptable.
28	Fowler Bed Qualification Criteria	In Section VI-A Qualification Criteria it has mentioned" The bidder or the manufacturer whose product is offered by the bidder must have manufactured and supplied **same equipment** of the type specified in the Schedule of Requirement to the extent of atleast 80% of the quantity indicated against **each item covered** under "Section – VI,	Please refer the Section VI-A Qualification Criteria wherein it is clearly mentioned that "The bidder or the manufacturer whose product is offered by the bidder must have manufactured and supplied **same equipment (quoted model)** of the type specified in the Schedule of Requirement to the extent of atleast 80% of the quantity indicated against **each item covered** under "Section – VI, Schedule of

		Schedule of Requirements” in any one of the last three calendar years”. It is requested to amend the same equipment to similar goods.	Requirements” in any one of the last three calendar years”.