

### Bid Document

Bid Details	
Bid End Date/Time	27-07-2020 17:00:00
Bid Opening Date/Time	27-07-2020 17:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Madhya Pradesh
Department Name	Public Health And Family Welfare Department Madhya Pradesh
Organisation Name	Health Department, madhya Pradesh
Office Name	Alirajpur
Total Quantity	1
Item Category	C ARM FLUOROSCOPE X RAY MACHINE
Bidder Turnover (Last 3 Years)	8 Lakh (s)
OEM Average Turnover (Last 3 Years)	8 Lakh (s)
Experience Criteria	3 Year (s)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Experience Criteria, Past Performance, Bidder Turnover, Certificate (Requested in ATC), OEM Authorization Certificate, OEM Annual Turnover *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Past Performance	10 %
Bid to RA enabled	No
Inspection Required	No

### EMD Detail

Required	No
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### ePBG Detail

Required	No
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### Splitting

Bid splitting not applied.

1. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of years as indicated in the bid document before the

bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

2. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

3. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 10% of bid quantity, in at least one of the last three years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one year) to be submitted along with bid in support of quantity supplied in the relevant year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

## **C ARM FLUOROSCOPE X RAY MACHINE ( 1 pieces )**

### **Technical Specifications**

\* As per GeM Category Specification

<b>Specification</b>	<b>Specification Name</b>	<b>Values</b>	<b>Bid Requirement (Allowed Values)</b>
Standards	Conformity to Certifications	-	*
	Certification Number and Date	-	*
	Type test approval from AERB required	Yes	*
	Type test certificate date and number	-	*
	Conformity to Safety Standards	IEC 60601-2-54 or BIS equivalent	*
Performance Parameters	Purpose	C arms fluoroscopes are used in a variety of general surgical, cardiac, and neurological applications, including aneurysm repair, pacemaker implantation, hip replacement, fracture reduction, foreign-body location, needle biopsy, catheter placement, pain management, percutaneous lithotripsy, and brachytherapy	*
	UMDNS Name and Code	1. Fluoroscopic Units, Portable - 18-434 2. Radio graphic/Fluoroscopic Units, Mobile - 11-758 3. Radio graphic/Fluoroscopic Units, Extremity - 18-435	*
	The System should be microprocessor controlled, compact and mobile offering excellent Image details	Yes	*
	<b>Type of Mechanical Motion of C Arm</b>	Manual	Manual

Horizontal movement Of C Arm in mm	210	*
Vertical Movement Of C Arm in mm	430	*
<b>Angulation Movement of C Arm in degrees</b>	± 180	± 180
Radius (Immersion Depth)of C arm in mm	650	*
<b>Source to Image Distance in mm</b>	900-950	900-950
<b>Arc Orbital Movement of C Arm</b>	At least +90° - 30°	At least +90° - 30°
Total width of C Arm in mm( Free space of C arm)	745	*
<b>Panning Movement of C Arm ( Swivel movement)</b>	±12.5°	±12.5°
Safety Feature available for C Arm Movement	a. Locks for all the movements. b. Control Stand foot lock. c. Steering wheel for easy steering & movement	*
<b>Range of Frequency of X ray Generator in khz</b>	41-50	41-50
<b>Generator Power output in Kw</b>	5	5
<b>Fluoroscopy Range in kvp</b>	40-120	40-120
<b>Fluoroscopy mA range, maximum in mA</b>	0.2 to 7	0.2 to 7
<b>Dual focus Rotating Anode X-Ray Tube of focal spot</b>	0.3mm <sup>2</sup> (small) & 0.6mm <sup>2</sup> (large)	0.3mm <sup>2</sup> (small) & 0.6mm <sup>2</sup> (large)
<b>Anode heat storage capacity with tolerance ±10%</b>	100 KHU	100 KHU
Modes Available	Continuous fluoro, Pulsed Fluoro, Radiographic Mode	*
<b>Pulses per sec</b>	1 to 25	1 to 25
<b>Mode selection for Kv and mA</b>	Automatic	Automatic
<b>Type of Image Intensifier</b>	9 " triple Field	9 " triple Field
<b>Number of Monitors provided on intensifier system</b>	2 (One for LIH and one for memory display )	2 (One for LIH and one for memory display )
<b>Type of monitor to be provided with intensifier system</b>	LCD	LCD
<b>Size of Monitors in inch</b>	17-20	17-20
<b>Type of Collimator controlled</b>	Fixed Collimation Slot	Fixed Collimation Slot
<b>Type of Camera</b>	CCD Camera	CCD Camera
<b>Camera Resolution in pixels</b>	0.5K x 0.5K	0.5K x 0.5K

<b>Acquisition of Camera</b>	10 bits	10 bits
Contrast ratio of intensifier unit	10:1 to 30:1	*
<b>Image storage capacity in images</b>	20000 to 50000	20000 to 50000
Image reversal	Yes	*
<b>Zoom function available</b>	2x	2x
Monitor with trolley	Yes	*
Sterile covers for C-Arm/X-Ray tube/ Image Intensifier	Yes	*
<b>DICOM Compatibility</b>	Yes	Yes
<b>The system should be ready to connect with HIS/ PACS</b>	Yes	Yes
<b>Data transfer</b>	Both USB and CD?DVD	Both USB and CD?DVD
Lead Aprons - Full body and Skirt type	(0.5pb) 4 number each	*
No of Thyroid shield and Gonad Shield	4 number each	*
Radiation/Fuoro Exposure delivery Switch	Hand Switch and Foot Switch	*
Display of mA, KV and other safety features on C - arm Console	Yes	*
<b>Radiography through Cassette with holder</b>	Yes	Yes, No
<b>Size of Cassette holder provided (for radiographic mode) in inch x inch</b>	10 x 12	14 x 17, 12 x 12, 10 x 12, 8 x 10, Not provided
Patient demographic detail entry facility	Yes	*
<b>Upgradable option to digital substration of angigraphy and peripheral angiography</b>	No	Yes, No
"Automatic image parameter selection with capability of switching on to manual selection"	Yes	*
Operating temperature & humidity	0 to 25 deg C and relative humidity of 15-90%	*
Type of Power Supply	Single phase, 220- 240 Vac, 50Hz-16 Amps Socket	*
<b>UPS Availability</b>	External	External
<b>UPS backup time in minutes</b>	15	15
<b>Servo Stabilizer supplied</b>	Yes	Yes, No
<b>Rating of Servo Stabilizer</b>	Not provided	Not provided
User/Technical/Maintenance manuals to be supplied in English in hard and soft	Yes	*

	copy		
	Installation, Demonstration and training to be provided at consignee end	Yes	*
	The Principal Manufacturer Must Have Direct Presence/approved service center In India	Yes	*
	<b>Comprehensive Warranty in Years</b>	5	5
	QA, QC and other tests as per NABH shall be carried out by OEM or authorized agency of OEM	Yes	*
Reports	<b>Confirmity to Manufacturing Standards</b>	ISO 13485	ISO 13485
	Certification number and date	-	*
	Copies of all calibration and test reports and certifications to be submitted at the time of Supply of Machine	Yes	*

\* Specifications highlighted in bold are the Golden Parameters.

\* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

#### Additional Specification Documents

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Rajendra Solanki	457887,District Hospital Campus, Jhabua Road, Alirajpur	1	30

#### Special terms and conditions for category C ARM FLUOROSCOPE X RAY MACHINE

1.Comprehensive warrantyComprehensive warranty shall include preventive maintenance including calibration as per technical/ service /operational manual of the manufacturer, service charges and spares,. During the warranty period commencing from date of the successful completion of warranty period, Service personnel shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, at least once in six months. warranty shall not be including the consumables .Further there will be 98% uptime warranty during warranty period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend warranty period by double the downtime period.Service centresDetails of Service outlets in India to render services for equipment to be furnished to buyer/consignees with complete address ,telephone numbers, e mails etc at time of making the supplies .It shall be the responsibility of seller to ensure that authorized service centres are available to cater to the areas where supplies are made within reasonable distance from where the service calls can be handled .Details of toll free numbers for service call and online registration of service requests also to be provided buyer/consignee at the time of supplies.Source of supplyIt shall be responsibility of seller to provide Documents regarding source of equipments such as copy of Performa invoice or any other documents to establish that the products supplied are manufactured by OEM indicated and sourced from them.Packing and MarkingMedical equipments being very delicate and sensitive packing for the goods should be strong and durable enough to withstand transit including transshipment (if any), rough handling, open storage etc. without any damage, deterioration etc. .The size, weights and volumes of the packing cases, remoteness of the final destination of the goods, availability or otherwise of transport and handling facilities at all points during transit up to final destination,. Quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall take in to consideration the type of medical equipments being supplied. The accessories shall be suitably labelled and packed .Each of the package shall be marked on three sides with indelible paint of proper quality: indicating contract number and date , brief description of goods including

quantity ,. Packing list reference number , country of origin of goods and any other relevant details.Spare PartsSeller shall provide materials, information etc. pertaining to spare parts manufactured and supplied by the OEM . It shall be ensured that the required spares are available for purchase at least for 10 years from date of supplies .In case due to any reasons the production of the spare parts is discontinued sufficient advance notice should be given to the buyer/consignee before such discontinuation to provide adequate time to purchase the required spare parts etc. Further, OEM and their service centres/dealers shall carry sufficient inventories to assure ex-stock supply of consumables and spares for the equipments so that the same are available.OEM or reseller shall always accord most favoured client status to the buyer/consignee and shall give the most competitive price for spares and consumables of its machines/equipments supplied.Installation, Training, ManualsSeller shall be responsible to carry out Installation & commissioning, Supervision and Demonstration of the goods. They shall provide required jigs and tools for assembly, minor civil works for the completion of the installation and Training of Consignee's representatives for operating and maintaining the equipment and Supplying required number of operation & maintenance manual for the goods. In case the category parameters are specifying any requirements regarding the installations , training and manuals the same shall also be applicable. Electrical safety checkingSellers are required to make sure that they furnish the list of equipments for carrying out routine and preventive maintenance to buyer/consignee. They should make sure to periodically check the electrical safety aspects as per BIS Safety Standards or equivalent .In case they do not have required equipment for such testing should ensure that the equipments checked for electrical safety compliance through labs with facilities for such checking during every preventive maintenance call. Software All software updates should be provided free of cost during warranty period.

## **Bid Specific Additional Terms and Conditions**

- 1.Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)
- 2.Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.
- 3.Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
- 4.Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

[This Bid is also governed by the General Terms and Conditions](#)

**---Thank You---**