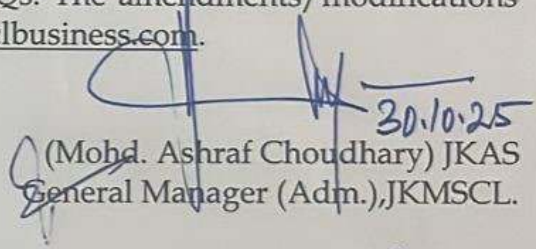


C O R R I G E N D U M

In light of the representation(s) submitted by the prospective bidder(s) thereof for the finalization of Rate Contract for the procurement of "Machinery & Equipments" uploaded vide No. Mach/2025/670 dated 19.08.2025, the technical specifications of "Ultraportable Handheld X-Ray with Computer Aided Detection (CAD) Technology and Artificial Intelligence (AI) Machine" has been amended by the technical experts and is annexed as Annexure-A (06 Pages).

Please Note:

1. Those firms/bidders who have already uploaded their bids are required to re-upload their bids as per amendments and corrigendum issued thereof.
2. All the bidders are requested to keep themselves updated & submit their e-bids through e-portal as per specifications & BOQs. The amendments/modifications shall be available on e-Portal and www.jkmsclbusiness.com.


(Mohd. Ashraf Choudhary) JKAS
General Manager (Adm.), JKMSCL.

No.: JKMSCL/Corg/2025/7080-83

Dated: 29.10.2025.

Copy for information to the: -

1. General Manager-(K), JKMSCL.
2. Dy. General Manager (T & Legal), JKMSCL.
3. P.A to Managing Director, JKMSCL for the information of Managing Director.
4. Assistant Programmer, JKMSCL for uploading on web portal.
5. File

TECHNICAL SPECIFICATION

[Revised]

ULTRAPORTABLE HANDHELD X-RAY WITH COMPUTER-AIDED DETECTION (CAD) TECHNOLOGY ARTIFICIAL INTELLIGENCE (AI) MACHINE

INTRODUCTION

Digital ultraportable Radiographic system to capture X-ray images of the chest, using digital portable technology. An ultraportable X-ray machine with complete Generator Source, detector, stand, acquisition system for chest X-ray should be available,

ELIGIBILITY CRITERIA

The following are the mandatory conditions to be fulfilled by the firm for responding to The Tender.

MANDATORY REQUIREMENT

ICMR Field Approval is mandatory : ICMR verify machine working in different geographical conditions and in the actual field conditions Must be fully integrated with EMR, Nikshay and NAAT: First point of Test is X-Ray to identify the probable TB patients and NAAT is only approved machine by government of India for confirmation of TB Patient. So the data should be able to integrate with NAAT machine. Make in India is mandatory: TO avoid sub-standard product.

- Live demonstration of, patient registration, Digital x-ray capture, Image Quality should be show at the time of technical evaluation.

The supplier should have minimum 5 years' experience in healthcare and must have deployed at least 10 units of same quoted model in Govt Setups for TB Screening. • Preference will be given to a "Made in India" solution.

CERTIFICATION:

- The quoted digital x-ray system should be an ultraportable type and should have AERB Type approval certificate.

X-Ray device should be BIS IS 7620 (Part 1): 1986 or Electrical Safety approval for the product or FDA/CE as applicable.

- The company should have CDSCO registration and / OR manufacturing license.

SYSTEM DESCRIPTION

Digital X-Ray system

- The System should be capable of taking x-Rays of maximum human anatomies with minimal radiation exposure to patient / operator / attendants.
- The X-Ray device should be lightweight, less than or equal to 7 kg including batteries.
- The Radiation exposure time should be settable between 2 sec or Less with varying setting provision to allow imaging of any anatomy with minimal radiation exposure. X-Ray Generator / tube voltage should be 40-110 kv (Variable or fixed ,value within this range).

Tube current between 2 to 6 mAs or higher.

- Focal spot: 0.4mm to 0.8 mm or more with target angle 12 or more. Minimum heat capacity 4000 – 6000 Joule or more.
- X-ray should have wireless remote control.
- Device should have X-Ray
- The X-Ray device should have digital or touch screen display of size 2 inch or more with APR based or simpler exposure settings and should show critical parameters like KV, ma, and exposure time, battery charge indicator with Low battery exposure cut off and error messages etc.
- The system should come with a large detector of at least 350 X 400 or more mm for taking images of all body parts.
- The detectors should have a minimum spatial resolution of 3.5 lp/mm or more.
- The detector must be high resolution of at least 2500 X 3000 pixels and 140 microns or less pixel pitch with A to D conversion 16 bits or more
- The Detector must have DQE more than 75% and MTF more than 80%.
- The detector must be solid, sealed, water resistant, dust resistant and drop to a certain extent with appropriate certifications for these parameters.
- The DR Console should be offered on a laptop with 14" screen of reputed make.
(Minimum specifications: 11th Gen processor or 12 gen processor with >8GB RAM&1 TB SOD)

- Suitable portable light weight Tripod Stand with vertical movement range (50-150cm), rotation of 90 degree around vertical axis
- Wired or wireless Remote control enabled X-Ray acquisition.
- Solid carrying case for all components which should be suitable for carriage of complete system including source, detector, acquisition console, stands for both source and detector by one person / operator.
- The system must offer at least 3 years standard warranty and training with adequate manpower should be provided

Training

Operator/set training to be provided to the Radiology operator and clinician/radiographer on the use of the hardware & software.

Operator/user training on troubleshooting and firstline maintenance

Artificial Intelligence Software

The AI should be able to triage/report subjects as Normal, TB related abnormality, Other Abnormality.

This software should work offline and online both. System should be loaded with CE or FDA approved AI software.

AI software must have CDSCO license.

Data Management system should be HIPPA and/or EU GDRR

Complaint. ISO 27001, ISO 13485:2016 QMS

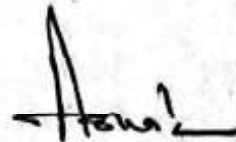
Provides a report that can be exported in MS exce/CSV and PDF report. Chest Application with response time less than 75 Sec. Live Demonstration of complete software starting

from patient entry to data auto population, AI interpretation will be integral part of evaluation.

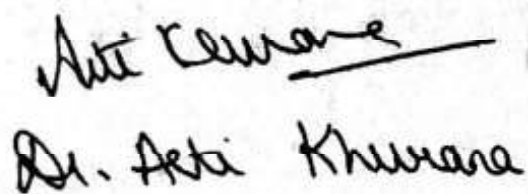
Successful demo is mandatory for technical evaluation clearance.

As per the market survey the rate contract should be finalized between 26 to 30 lacs only.


Dr. Pankaj Kumar



Dr. Archad Bhat


Dr. Arti Khurana