

CORRIGENDUM

Based on pre-bid meeting held on 14-05-2026, the following amendments in GeM Bid No.: GEM/2026/B/7379106 dated: 05-05-2026, are notified:

S/N	Existing specifications in the tender	Revised Specifications
1.	<p>Applications:</p> <ul style="list-style-type: none"> • Non-invasive imaging of rodents in preclinical disease models • Studies involving bone morphology and mineralization in models of osteoporosis, osteoarthritis, skeletal development, metabolic syndrome, obesity, MASLD and other non-communicable diseases • Joint structure and deformities in inflammatory and degenerative disease models • Thoracic and abdominal anatomy for cardiopulmonary and metabolic research • In implant placement and integrity, including implant-based drug delivery systems and biomaterials • In multiple disease models using contrast-enhanced applications like X-ray angiography, GI contrast studies, cardiopulmonary imaging and tumor monitoring 	<p>Applications:</p> <ul style="list-style-type: none"> • Non-invasive imaging of rodents in preclinical disease models • Studies involving bone morphology and mineralization in models of osteoporosis, osteoarthritis, skeletal development, metabolic syndrome, obesity, MASLD and other non-communicable diseases • Joint structure and deformities in inflammatory and degenerative disease models • Thoracic and abdominal anatomy for cardiopulmonary and metabolic research • In implant placement and integrity, including implant-based drug delivery systems and biomaterials • In multiple disease models using contrast-enhanced applications like X-ray angiography, GI contrast studies, cardiopulmonary imaging and tumor monitoring
2.	<p>General Features & Specifications:</p> <ul style="list-style-type: none"> • Portable X-ray machine with compatible digitizer • Image storage: more than 5000 images • Should have Anatomically programmed radiography (APR) with anatomic post processing • Frequency : 110kHz or better • Generator output: 5kW or better • kVp range: 40-110kVp in steps of 1 kVp/step or better • mA range: 20-100mA or better • mAs range: 1-250 or better • X-ray tube type: Stationary anode • Exposure time: 1ms – 10 seconds or better • Should have provision of automatic tube positioning and calibration • Focal spot: 0.5 – 1.8mm² or better • Collimator: Manual with light beam diaphragm and min. 90 degree rotation • Control panel(with APR) and Display: <ul style="list-style-type: none"> ▪ Inbuilt touch screen display with microprocessor-controlled console ▪ Digital display of kVp, mA and mAs and all other radiographic parameters ▪ Electronic timer ▪ Automatic parameter selection ▪ DICOM compatible 	<p>General Features & Specifications:</p> <p>X-Ray Generator:</p> <ul style="list-style-type: none"> • Portable X-ray machine with compatible digitizer • Image storage: more than 5000 images • Should have Anatomically programmed radiography (APR) with anatomic post processing • Frequency : 110kHz or better • Generator output: 5kW or better • kVp range: 40-110kVp in steps of 1 kVp/step or better • mA range: 20-100mA or better • mAs range: 1-250 or better • Exposure time: 10ms – 10 seconds or better <p>X-Ray Tube:</p> <ul style="list-style-type: none"> • X-ray tube type: Stationary/Rotating anode • Focal spot: 0.5 – 1.8mm² or better • Anode Heat capacity should be 40 KHU or more. • Should have provision of automatic tube positioning and calibration <p>Tube Stand: Gas Spring balanced mobile stand with dual arm to keep the tube head always straight during the arm up/down movement; Mobile tube stand with wheels, to ensure easy mobility & starrng.</p>

- **Detector:** Computed Radiography(CR) digitizer with two cassettes and an image processing software; user selectable resolution options
- **Stand:** Gas Spring mobile stand with dual arm to keep the tube head always straight during the arm up/down movement
- **Hand switch:** Dual action
- Should have self diagnostics programming
- Machine should be fully network ready and it should be possible to transfer images and data from and to institute network using LAN connectivity or wireless LAN
- **Calibration:** should be factory calibrated and onsite calibration should be provided, as and when required. Appropriate certificate should be provided.
- Should have small footprint
- Cables should be concealed in the arm system

Hand switch: Dual action release with retractable cord is provided for radiation protection to the operator

Collimator: Manual with light beam diaphragm and min. 90 degree rotation

X-Ray Control panel (with APR) and Display:

- Inbuilt touch screen display with microprocessor-controlled console
- Digital display of **kVp, mA** and **mAs** and all other radiographic parameters
- Electronic timer
- Automatic parameter selection
- **DICOM compatible**
- Error display

Detector:

- Digital Radiography (DR) detector system with image acquisition and processing software.
- Min. 14" × 17" Flat Panel Detector.
- Should be compatible for **veterinary applications**.
- Detector should be of latest technology with scintillator of Cesium Iodide (CsI).
- Image matrix size 2560 x 3072 pixels or better
- Pixels size should be 140 µm or less
- Should have a minimum image depth of 16 bits or more.
- Detector resolution should be min. 3.5 lp/mm with user selectable resolution options
- Detector should be dust and water resistant with minimum IP54 standard. Test certificate should be provided along with technical documents.
- Flat panel detector batteries can be charge during operation and also charge externally via charger and should be easily replaceable.
- Detectors should have automatic X-Ray detection technology with lower dose.
- Should have self diagnostics programming
- Machine should be fully network ready and it should be possible to transfer images and data from and to institute network using LAN connectivity or wireless LAN
- **Calibration:** should be factory calibrated and onsite calibration should be provided, as and when required. Appropriate certificate should be provided.
- Should have small footprint
- Cables should be concealed in the arm system
- DR Image acquisition Console should have Touch Screen display. Laptop should be integrated and mounted on the Mobile X-Ray machine not on column stand.
- The latest compatible DR Console or Acquisition Workstation laptop should be with compatible latest

		<p>generation software.</p> <ul style="list-style-type: none"> • Control Panel of X-Ray & DR Acquisition laptop both should be integrated. • Operating console should have facility for subject identity entry, viewing and processing images. • Window level adjustment should be available i.e. Exam, Process, View & print, Level Window. Post processing WW/WL, Rotate, Zoom, Flip, Invert, Annotation, Measurement, Zoom, Image cropping & Grid Removal should be available. • DICOM Modality Work list, DICOM PRINT, DICOM MPPS, and DICOM Storage services should be offered standard with valid and genuine licenses.
3.	<p>Software Specifications:</p> <ul style="list-style-type: none"> • Suitable intuitive software interface, compatible with latest versions of operating systems. • Equipment can be controlled and operated remotely by software. • Should Exports data in pdf, csv, xml, tiff and xls formats and supports custom printouts. • Should download data stored in the equipment/software by BLE or USB or RS-232. • Software upgradation for 5 years should be included. 	<p>Software Specifications:</p> <ul style="list-style-type: none"> • Suitable intuitive software interface, compatible with latest versions of operating systems. • Equipment can be controlled and operated remotely by software. • Should Exports data in pdf, csv, xml, tiff and xls formats and supports custom printouts. • Should download data stored in the equipment/software by BLE or USB or RS-232. • Software upgradation for 5 years should be included.
4.	<p>Certifications, Standards & Safety:</p> <ul style="list-style-type: none"> • Should have conformity to IEC-601-1 Class 1, Type B, IEC 60601-1, MDR 2017/745, US FDA, CE, ISO 9001, ISO13485, CDSCO, BIS, AERB certified or equivalent. 	<p>Certifications, Standards & Safety:</p> <ul style="list-style-type: none"> • Should have conformity to IEC-601-1 Class 1, Type B, IEC 60601-1, MDR 2017/745, US FDA, CE, ISO 9001, ISO13485, CDSCO, BIS, AERB certified or equivalent. • X-Ray Tube should be registered at AERB / eLora Portal. (Supporting documents required)
5.	<p>Utility Requirements and Accessories:</p> <ul style="list-style-type: none"> • Mains Power: 230V-240V ±10% AC; 50/60Hz • Suitable compatible latest branded computer for image acquisition, viewing, processing and storage. • Suitable online UPS with 30 minutes of backup should be supplied along with the system. • Service software and software for image analysis • DICOM viewer and export • Lead aprons (full body), thyroid shields, gonad sheet for male and female • Radiation protection aprons • Horizontal table with wheel sand braking system for parking • CR digitizer with Phosphor plates and cassette holder • Protective cover for detector and equipment • Animal positioning aids. • Any other accessories required to make the system complete 	<p>Utility Requirements and Accessories:</p> <ul style="list-style-type: none"> • Mains Power: 230V-240V ±10% AC; 50/60Hz • Suitable compatible latest branded laptop/computer for image acquisition, viewing, processing and storage. • Suitable online UPS with 30 minutes of backup should be supplied along with the system. • Service software and software for image analysis • DICOM viewer and export • AERB approved Lead aprons (full body), thyroid shields, gonad shield for male and female (02 Nos. each) • Radiation protection aprons • Horizontal table with wheel sand braking system for parking • Protective cover for detector and equipment • Animal positioning aids. • Any other accessories required to make the system complete

AMC Service for next 2 years for the offered product at

		<p>the rate of not more than 5% of contract price per annum, which will be paid Bi-annually.</p> <p>The original Performance Security of contract will be returned only after submission and verification of AMC Performance Security for 5% of total AMC value valid up to AMC period plus 2 months (if there is no other claim).</p> <p>Bid value should include cost of Equipment along with AMC charges with price break-up.</p>
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All other specifications with terms and conditions will remain unchanged as per the original tender.