



Running Contract Details	
Equipment Name	Computerized Radiography - Model A
Running Contract Valid Till	05-12-2021
Tender Ref No	KMSCL/EP/T337/411A/2019
Tendered Quantity	30
Supplier Name	M/s Fuji film India Private Limited
GST No	32AABCF1594J1ZP
Installation & Delivery Period	8 Week(s)
Up-time / PM vist	95% & 4 Visits per year
Warranty period	3 Years

Supplier`s Details		
Address	Contact Details	
"LEGACY" First Floor #14 S.Kariyappa Road - South Cross Road Basavangudi Bangalore - 560 004	Contact Person	Sachin Titus
	Phone	91-(0)44-43994000 / +91-(0)44-24320550
	Mobile No	9539007798
	Email	sachin.titus@fujifilm.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	Computerized Radiography - Model A <i>Model & Make : FCR Profect CS Plus with DryPix Edge, Fujifilm corporation, Japan</i>	1456000 Incl.GST :12%	107380	1563380
2	Full Leg and Full Spine image processing and the necessary hardware with grid and software	168000 Incl.GST :12%	12390	180390
3	Cost of Film - 35 cm x 43 cm or (14"-17") Year 1	107.86 Incl.GST :12%	7.95	115.81
4	Cost of Film - 24 cm x 30 cm or (10"-12") Year 1	56.58 Incl.GST :12%	4.17	60.75
5	Cost of Film - 18 cm x 24 cm or (8"-10") Year 1	36.29 Incl.GST :12%	2.68	38.97
6	Cost of Film - 35 cm x 43 cm or (14"-17") Year 2	107.86 Incl.GST :12%	7.95	115.81
7	Cost of Film - 24 cm x 30 cm or (10"-12") Year 2	56.58 Incl.GST :12%	4.17	60.75

Item-wise Price Details				
8	Cost of Film - 18 cm x 24 cm or (8"-10") Year 2	36.29 Incl.GST :12%	2.68	38.97
9	Cost of Film - 35 cm x 43 cm or (14"-17") Year 3	107.86 Incl.GST :12%	7.95	115.81
10	Cost of Film - 24 cm x 30 cm or (10"-12") Year 3	56.58 Incl.GST :12%	4.17	60.75
11	Cost of Film - 18 cm x 24 cm or (8"-10") Year 3	36.29 Incl.GST :12%	2.68	38.97
12	Cost of Film - 35 cm x 35 cm or (14"-14")	69.44 Incl.GST :12%	5.12	74.56
13	Cost of Film - 15 cm x 30 cm or (6"-12")	36.29 Incl.GST :12%	2.68	38.97
14	Cost of Cassette- 35 cm x 43 cm or (14"-17")	14884 Incl.GST :12%	1097.7	15981.7
15	Cost of Cassette- 35 cm x 35 cm or (14"-14")	12958.4 Incl.GST :12%	955.68	13914.08
16	Cost of Cassette- 24 cm x 30 cm or (10"-12")	10926.4 Incl.GST :12%	805.82	11732.22
17	Cost of Cassette- 18 cm x 24 cm or (8"-10")	9963.2 Incl.GST :12%	734.79	10697.99
18	Cost of Cassette- 15 cm x 30 cm or (6"-12")	9963.26 Incl.GST :12%	734.79	10698.05
19	Cost of Cassette- Mammography (18x24) cms	10918.88 Incl.GST :12%	805.27	11724.15
20	Cost of Cassette- Mammography (24x30) cms	11015.2 Incl.GST :12%	812.37	11827.57
21	Cost of Image Plate- 35 cm x 43 cm or (14"-17")	16660.8 Incl.GST :12%	1228.73	17889.53
22	Cost of Image Plate- 35 cm x 35 cm or (14"-14")	12803.2 Incl.GST :12%	944.24	13747.44
23	Cost of Image Plate - 24 cm x 30 cm or (10"-12")	8145.6 Incl.GST :12%	600.74	8746.34
24	Cost of Image Plate - 18 cm x 24 cm or (8"-10")	4741.6 Incl.GST :12%	349.69	5091.29
25	Cost of Image Plate - 15 cm x 30 cm or (6"-12")	4741.6 Incl.GST :12%	349.69	5091.29
26	Cost of Image Plate -Mammography (18x24) cms	4780.16 Incl.GST :12%	352.54	5132.7
27	Cost of Image Plate -Mammography (24x30) cms	8211.84 Incl.GST :12%	605.62	8817.46

Item-wise Price Details				
28	Cost of facility to connect at least four veiwing station	235200 Incl.GST :12%	17346	252546
		2000622.06	147545.88	2148167.94

Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Rate	4 th Year	5 th Year	6 th Year	7 th Year	8 th Year	9 th Year	10 th Year
Computerized Radiography - Model A							
Labour	30,000.00	31,500.00	33,075.00	34,729.00	36,465.00	38,288.00	40,203.00
Comprehensi ve	50,000.00	52,500.00	55,125.00	57,881.00	60,775.00	63,814.00	67,005.00

Other terms & conditions

1. The supplier shall execute an agreement with the purchaser as per tender conditions (agreement format is given in the tender document).
2. The supplier shall submit performance security amounting to 5% of the value of the supply order.
3. The labour & comprehensive charges of equipment after the completion of warranty period is finalized by KMSCL as mentioned above.
4. Since discount rate is not applicable for equipment under Running Contract of KMSCL, purchase/supply order can be issued directly to supplier at the given rate with tax & other charges (exclusive of KMSCL service charges).
5. If purchase/supply order is issued directly to the supplier, KMSCL service charge need not be paid. But the copy of the said order may be forwarded to KMSCL for information.

Technical Specification

Equipment :Computerized Radiography - Model A

I. Image reader system

1. The system should have Multiplate connectivity with minimum 4 plates at a time, compatible for Mammography, general radiography and OPG application.
2. Should have the capability to process at least 80 plates per hour of size 14x17 inches @ 10 pixels/mm
3. The initial film preview time should be less than 40 seconds for cassette size of 14x17
4. Should have the following sizes of image plates and compatible cassettes. The rates for cassette and plates have to be offered separately and orders will be issued as per requirement.
 - a. 35 cm x 43 cm or (14"-17")
 - b. 35 cm x 35 cm or (14"-14")
 - c. 24 cm x 30 cm or (10"-12")
 - d. 18 cm x 24 cm or (8"-10")

- e. 15 cm x 30 cm or (6"-12")
- f. Mammography (18x24) cms
- g. Mammography (24x30) cms
- 5. Various image-processing protocols should be available for the respective regions of the body.
- 6. Should have a display to view images and should be possible to take print outs directly. Customizable print outs should be possible.
- 7. Should have provision to connect other modalities via DICOM connectivity.
- 8. Should have facility for transferring the newly acquired Images to the preconfigured CR workstation
- 9. Should have a protocol for verifying the connectivity status of configured image destinations.
- 10. Should have Customizable Graphic User Interface
- 11. Should be capable to store more than 5000 images
- 12. Indication of Over Exposure on the preview module.

II. System Functional requirements:

- 1. Capability of interfacing to HL7, Non-HL7, Proprietary, DICOM Work list or user defined Windows based interface protocols to HIS/RIS
- 2. Customizable Graphic User Interface (GUI) in Identification station with facility of selecting DICOM print & Storage destination.
- 3. Mechanism for User release from Preview terminal in case of Auto-routing Images to Pre-defined DICOM Destinations.
- 4. Solution for storing patient demographic data for multiple exams in RIS/non RIS environment.
- 5. It should be possible to put a custom configurable data field in the demographic information of the patient linked with the image.

III. Software

System should include the following original and authorized Software applications:

- 1. Advanced image Processing Software
- 2. Application Software
- 3. Connecting Software
- 4. Visual Output Software
- 5. Quality Monitoring Software
- 6. Full Leg and Full Spine image processing and the necessary hardware with grid and software to be provided. The rate offered shall be taken for evaluation
- 7. Quality control software.

8. Software, which enables to see in the preview terminal the deviation from normal exposure and with the details of the deviation on the CR workstation.
9. Software for storing images on any DICOM 3 (or newer versions) compliant stations.
10. Software for printing on any DICOM printer

IV. CR Workstation

1. Accept images from CR Reader without any loss of data
2. Capable of Archiving & Printing selected image to a standard DICOM destination in DICOM 3.0 Format or newer versions.
3. Storing images in the local disk for pre-defined period.
4. Mechanism for accepting new images when the local disk is full.
5. Monitor - 19" antiglare flicker free TFT/LCD monitor (Should have separate monitor for CR reader and Workstation).
6. CD and DVD Burner
7. 1 TB or more internal storage.
8. Built in routine for using predefined image processing parameters for image quality enhancement.
9. Mechanism for storing the Patient image based on name, date, exam, etc.
10. Capability of storing user defined image processing parameters.
11. Capability of overwriting predefined image parameter with user-defined parameters & storing these two images separately.
12. Manual correction typographically in Patient Demographic module, in case of any problem with RIS connection.
13. Capability of changing W/L, Flipping, Rotating, Zooming, Collimating Annotating incoming image
14. Auto-routing incoming image to predefined DICOM Store (SCP storage) or Print Destination (SCP Print Destination)
15. Mechanism for printing Multiple Images in one film, with the possibility of slide and true size printing
16. Should have facility to connect at least four viewing stations. The hardware and required software for viewing station and other required hardware including cabling should be quoted separately and will not be taken for evaluation.

V. Dry Imager System

1. Should be a dry image printer with a resolution of 500 dpi or more
2. Should have a gray scale resolution of at least 14 bits.
3. Capable of Printing Images in DICOM 3.0 format or newer version.
4. Should have minimum 3 online universal trays and have mechanism to print images 14x17", 10x12" and 8x10" film sizes simultaneously.
5. The rate for films of all sizes shall be offered for three years and will be taken for price bid evaluation.
6. Should be supplied with the following film packets while installation.
 - a. 14x17" – 1 packet of at least 100 films

b. 12x10" – 4 packets of each atleast 100 films

c. 10x8" - 4 packets of each atleast 100 films

VI. Others

a. Should supply an ON-LINE pure sine UPS of suitable capacity with minimum 1 hr battery backup for the entire system include imager.

b. Should operate on mains 220-240Vac, 50 Hz single phase.

c. Should have safety certificate from a competent authority CE / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid.

d. The Image Plate of all sizes supplied should have three years comprehensive warranty and should be covered under the CMC rates offered. Any defect the image plate shall be replaced at free of cost during the warranty period and CMC period. In case of any dispute in replacement, the decision of Tender Inviting Authority shall be the final.