



राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान, भुवनेश्वर
(परमाणु उर्जा विभाग, भारत सरकार का एक स्वयं शासित संस्थान)
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH
(AN AUTONOMOUS INSTITUTE UNDER DEPT. OF ATOMIC ENERGY, GOVT. OF INDIA)

Notice Inviting E-Tender NO. NIT-27/2018(NC-000261-HO/DI-18-19)

DIGITAL RADIOGRAPHY SYSTEM

Cost of Tender is 1500.00 (Non Refundable)

Paper Notice



**NATIONAL INSTITUTE OF SCIENCE EDUCATION & RESEARCH
JATNI CAMPUS, P.O. - JATNI
KHURDA – 752050, ODISHA, INDIA**

Notice Inviting E-Tender No. NIT-27/2018(NC-000261-HO/DI-18-19)

Sealed Tenders are invited on behalf of the Director, National Institute of Science Education and Research, Jatni from the manufacturers(Indian or Foreign) and their authorised reseller/Indian agent only for supply & installation of the following items:-

Sl. No.	Name of the Items	Tender No.	Name of Department	Indent No.	Qty.	EMD in INR
01	DIGITAL RADIOGRAPHY SYSTEM	NIT-27/2018	Hospital	NIT-NC-000261-HO/DI-18-19	01unit	100800.00

Tender can be downloaded and bided from website address: www.tenderwizard.com/NISER. Tender documents for viewing only are also available in NISER web-site address: www.niser.ac.in. further all corrigendum and addendum will be published on NISER website and tenderwizard portal.

NISER is publishing all its public and limited tender on NISER website.

Stores & Purchase Officer



**NATIONAL INSTITUTE OF SCIENCE EDUCATION & RESEARCH
JATNI CAMPUS, P.O. –BHIMPUR-PADANPUR, VIA-JATNI
KHURDA – 752050, ODISHA, INDIA**

Notice Inviting E-Tender No. NIT-27/2018(NC-000261-HO/DI-18-19)

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E- Tenders are invited on behalf of the Director, National Institute of Science Education and Research, Jatni from the manufacturers(Indian or Foreign) and their authorised reseller/Indian agent only for supply & installation of the following items:-

NB: PARTIES REGISTERED WITH SSI/DGS&D/DAE/MSME/NSIC AND FOREIGN PARTIES QUOTING DIRECTLY ARE EXEMPTED FROM PAYING EMD and Tender Fee.

Standard e-Tender Terms & Conditions

1. The details of tender notification can be downloaded from www.tenderwizard.com/NISER under "**Tender Free View**" link.
2. Vendors should obtain the USER ID and PASSWORD from www.tenderwizard.com/NISER by clicking on "**REGISTER ME**" link in the homepage.
3. The Vendor registration fee has to be paid to ITI Ltd for Rs. 1180/- including GST using the e-payment link provided at the time of registration, and the mode of payments are Credit Card, Debit Card and Internet Banking. Vendor Registration is Valid for 01year.
4. For further details on e-Tender participation, please contact ITI Help desk on
 - Telephone: 080-49352000/9686115318
 - Email: harishkumar.kb@etenderwizard.com, ambasa@etenderwizard.com.
5. Tenders should be submitted only through E-Tender portal and obtain the Tender Acknowledgement copy as a proof of successful submission.
6. **For any query regarding tender terms & conditions please sent email to spo@niser.ac.in.**

Stores & Purchase Officer



**NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH
NIT OPEN DOCUMENT (2 PART BID)
SUPPLY & INSTALLATION
OF
DIGITAL RADIOGRAPHY SYSTEM**

Notice Inviting E-Tender No. NIT-27/2018(NC-000261-HO/DI-18-19)

National Institute of Science Education & Research (NISER), Jatni is an Autonomous Institute under Dept of Atomic Energy. NISER would like to procure the following equipment. The Technical Specifications Schedule of Requirements and Allied Technical details are given in Part-1 of tender document.

- **Item: DIGITAL RADIOGRAPHY SYSTEM**
- **Tender Enquiry No: NIT-27/2018(NC-000261-HO/DI-18-19)**
- **Last date of submission of E-bid : 08/11/2018 up to 12.30p.m**
- **Opening of Technical Bids : 08/11/2018 at 02.30p.m**
- **Date and Time of Pre-Bid meeting: 22/10/2018 at 3.00 P.M at Hospital, NISER**
- ***Note- Pre-bid meeting can be allowed to only OEM manufacturers representative having authorisation letters and AERB approval for model equipment as per technical specifications (please present both certificates before the meeting).**
- **Contact Person – Dr. Biswajit Mishra <drbiswajitmishra@niser.ac.in>**

**(Deepak Srivastava)
Stores & Purchase Officer**

The Institute can provide following documents.

1. **Custom Duty exemption certificate (for custom duty @5.15%)**
2. **GST Exemption Certificate (for GST @ 5%)**

COST OF TENDER IS RS.1500/- (NON REFUNDABLE).

This is payable in cash or Demand Draft of a scheduled Bank in favour of Director, NISER payable at Bhubaneswar/Jatni



PART - 1
TERMS & CONDITIONS
FOR SUPPLY AND INSTALLATION OF
DIGITAL RADIOGRAPHY SYSTEM
FOR
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, JATNI
Notice Inviting E-Tender No. Nit-27/2018(NC-000261-HO/DI-18-19)

1. Director, National Institute of Science Education & Research, Jatni (NISER) invites E-Tenders for DIGITAL RADIOGRAPHY SYSTEM from the Manufacturer and their authorised reseller only having following credentials.
 - A. Should have satisfactorily completed **03 similar supplies** (at least one of them in Central Government/Central Autonomous Body/Central PSU) in last 05 years.
 - B. Similar or Similar Nature of work means** Supply & Installation of DIGITAL RADIOGRAPHY SYSTEM for any of the following :
 - a) **Government/Autonomous Institutions**
 - b) **Government Research Centres**
 - c) **Universities**
 - d) **Autonomous/Reputed Private Research Centres**
 - e) **Purchase Orders / Completion certificates if any, for supporting above requirements.**

The Bidders are requested to give detailed tender in the prescribed forms in two Bids
i.e. Part - I Technical Bid.
Part - II Commercial Bid.

2. **Contact for information** :(Only E-mail enquiries will be entertained)

For Technical Information of DIGITAL RADIOGRAPHY SYSTEM.

Indentor name :Dr. Biswajit Mishra,
Hospital, NISER.

E-Mail – Biswajit Mishra <drbiswajitmishra@niser.ac.in>

For Information regarding Commercial& all other Terms & Conditions:

Mr. Deepak Srivastava

Stores & Purchase Officer

National Institute of Science Education & Research, Jatni

E-Mail-spo@niser.ac.in

3. Supply means:

“Supply, Installation, Commissioning and satisfactory demonstration of the whole equipment”.

4. Tender Document:

The Technical Offer should comprise of the following:

- a) Tenders, which are submitted without following the Two-Bid Offer System, will summarily be rejected.
- b) The technical offer should be complete to indicate that all products and services asked for are quoted.

c) The purpose of certain specific conditions is to get or procure best product/service etc. for NISER. The opinion of Technical Committee shall be the guiding factor for technical short listing.

d) The earnest money deposit as indicated against the item should be sent by post so that it reaches on or before the opening of the technical bid of e-tender system in the form of Account Payee Bank Draft payable on any branch of Nationalised/Schedule Bank at Bhubaneswar/ Jatni in favour of “Director, National Institute of Science Education & Research, Jatni”, in a separate sealed envelope. All tenders submitted without requisite amount of earnest money shall be rejected and their technical and financial bids shall not be opened. No interest is payable on EMD.

The EMD will be returned to the bidders(s)/Agents whose offer is not accepted by NISER within one month from the date of the placing of the final order(s) on the selected bidder(s). In case of the bidder(s) whose offer is accepted the EMD will be returned on submission of Performance Bank Guarantee (if applicable). However, if the return of EMD is delayed for any reason, no interest /penalty shall be payable to the bidders.

EMD EXEMPTION:

PARTIES REGISTERED WITH SSI/DGS&D/DAE AND FOREIGN PARTIES QUOTING DIRECTLY ARE EXEMPTED FROM PAYING EMD & TENDER COST. FOREIGN PARTIES QUOTING DIRECTLY UNDER ORIGINAL SEAL AND SIGNATURE (NOT SCANNED) WILL GET THE EXEMPTION.

The EMD shall be forfeited:

If the bidder withdraws the bid during the period of bid validity specified in the tender. In case a successful bidder fails to furnish the Performance Bank Guarantee.

a) Undertaking that the successful bidder agrees to give a Performance Bank Guaranty of 10% of the purchase order value in favour of “Director, National Institute of Science Education & Research, Jatni valid till warranty period.

Performance Bank Guarantee:

Within ten (10) days of the award of contract, the vendor shall furnish a Performance Bank Guarantee amounting to 10% of the purchase order value in the form of Bank Guarantee favouring the Director, National Institute of Science Education & Research, Jatni valid till completion of warranty period. Following documents needs to be uploaded on E-Tender portal.

a) If the bid is for branded makes, authorization letter from principals clearly indicating that the vendor is the competent authority to sell and provide services towards the items mentioned in the scope of supply given in this tender document.

b) Copy of GST No. and PAN No. allotted by the concerned authorities.

c) List of deliverables / Bill of materials and services.

d) Compliance sheet with any deviation with reference to the terms and specifications.

e) The item should be supplied with manuals and the manuals including technical drawings should be complete in all respects to operate the system without any problem.

“Commercial Bid” shall contain:

a) Price schedule shall complete in all respects. **Tender with any condition including conditional rebate shall be rejected forthwith.**

b) Cost of all the items should be mentioned clearly and individually in the Commercial Offer only.

c) **The Bidders are requested to quote for Educational/Institutional Price for Machine/ Equipment and, since we are eligible for the same.**

d) **Printed conditions of the vendor submitted with the tender will not be binding on NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH.**

5. Tender process & award of contract.

The technical bids will be evaluated to shortlist the eligible bidders. The commercial bids of only the short listed bidders shall be considered for further processing. Bidders whose technical offer is found acceptable and meeting the eligibility requirements as specified in this tender will be informed about the date and time of the opening of the commercial bid.

- (a) NISER will open commercial bids of only the short listed bidders, The Date and Time of opening the Commercial Bid will be intimated only to pre-qualified and technically acceptable Bidders for the item at a later date.
- (b) ONLY TECHNICALLY accepted competitive bids will be considered for placing Purchase Order.
- (c) **Purchaser's Right to vary Quantities at the time of Award:** NISER reserves the right at the time of award of Contract to increase or decrease the quantity of items specified in the Schedule of Requirements without any change in price or other terms and conditions.

6. The Director NISER reserves the right to accept the offer in full or in parts or reject summarily or partly.

7. Delivery Period / Timeliness

The deliveries, installation must be completed within 90 days, after placement of purchase order. The time is the essence of the contract. It is mandatory for the bidders who respond to this bid to meet these expectations, as they are tightly linked to NISER's plans of completing the project within the time frame.

8. Locations for the Supply / Services

The Laboratory Equipment covered by this document is required to be supplied and installed at Hospital of NISER, Jatni.

9. Order Placement and Release of Payment

The Purchase Order and payment shall be processed by –

**Stores & Purchase Officer
National Institute of Science Education & Research,
Jatni Campus, P.O. – Bhipur-Padanpur, Via-Jatni,
Khurda – 752050, Odisha, INDIA**

Payment for the items to be supplied by the vendor against the purchase order shall be made by National Institute of Science Education & Research as follows:-

Foreign Currency payment:-

100% payment will be made through Letter of Credit. 80% will be paid after submission original shipping documents & balance 20% will be released after satisfactory installation, commissioning, warranty certificate and along with submission of Performance Bank Guarantee.

INR payment:-

80% will be released after receipt of material in good condition & balance 20% will be released after satisfactory installation, commissioning, warranty certificate and along with submission of Performance Bank Guarantee.

Agency Commission: Agency Commission to be paid to Indian Agent should be specified separately and same will be paid in INR.

The tenderers who are not agreeing to above payment terms are requested not to submit their tender otherwise their EMD will be forfeited.

10. NISER will not provide any accommodation/transportation for the engineers/ representatives for attending installation, commissioning and demonstration work. It is the absolute responsibility of the Principal Supplier/Indian Agent to make their own arrangements.

11.The successful bidder, on award of contract / order, must send the contract / order acceptance in writing, within 7 days of award of contract / order failing which the EMD will be forfeited.

12. Period of validity of bids

- (a) Bids shall be valid for a period of 90 days from the date of opening the Technical bid.
- (b) NISER may ask for the bidder's consent to extend the period of validity. Such request and the response shall be made in writing only. The bidder is free not to accept such request without forfeiting the EMD. A bidder agreeing to the request for extension will not be permitted to modify his bid.
- (c) Bid evaluation will be based on the bid prices without taking into consideration the above corrections.

13. Corrupt or Fraudulent Practices

NISER requires that the bidders who wish to bid for this project have highest standards of ethics. NISER will reject a bid if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices while competing for this contract. NISER may declare a vendor ineligible, either indefinitely or for a stated duration, to be awarded a contract if it at any time determines that the vendor has engaged in corrupt and fraudulent practices during the execution of contract.

14. Interpretation of the clauses in the Tender Document / Contract Document

In case of any ambiguity / dispute in the interpretation of any of the clauses in this Tender Document, Director, NISER's interpretation of the clauses shall be final and binding on all parties.

15. Price

- (a) The price quoted shall be considered firm and no price escalation will be permitted at any time. The quotation should be in Indian Rupees or any known foreign currency. Packing, forwarding, freight, insurance, **Agency commission** and commissioning charges, if any extra may be quoted separately in Commercial Bid.
- (b) In case of INR bids the price criteria should be on delivered at NISER, Jatni including Free onsite comprehensive 03 years warranty, packing, transportation, insurance, loading & unloading (At NISER) etc. charges. Govt. Levies like GST, etc., if any, shall be paid at actual rates applicable on the date of delivery. Rates should be quoted accordingly giving the basic price, GST, etc., if any.
- (c) Please provide GST No. of the firm allotted by the concerned authorities in your quotation.
- (d) In case of Foreign Currency bid: - Price criteria will be FOB nearest International Airport/Sea Port including Free onsite comprehensive 03 years warranty, installation, commissioning & Training & demonstration charges. Agency Commission if any is required to be quoted separately in Financial bid which will be paid directly to Indian agent in INR.

16. Pre-installation:

Pre-installation facilities required for installation may please be intimated in the technical bid. Subsequently, before the consignment lands in NISER, Jatni the bidder shall confirm that the pre-installation requirements are sufficient for installation of the equipments. In other words the bidder should continuously monitor the pre-installation requirements and see that everything is ready before the consignment is taken to the site for installation.

17. Installation, Warranty & Support

- Bidder shall be responsible for installation / demonstration wherever applicable and for after sales service during the warranty and thereafter.
- The items covered by the schedule of requirement shall carry minimum **03 year free onsite comprehensive warranty from the date of installation of the equipment** by NISER. Warranty shall include free maintenance of the whole equipment supplied including free replacement of parts. The defects, if any, shall be attended to on immediate basis but in no case any defect should prolong for more than 24 hours. The comprehensive warranty includes onsite warranty with parts.
- ***The defects, if any, during the guarantee/warranty period are to be rectified free of charge by arranging free replacement wherever necessary. This includes cost, insurance, freight, custom duty, GST, local taxes if any should be borne by the beneficiary or his agent. A clear confirmation should be given for this item.***
- The OEM/bidder shall assure the supply of spare parts after warranty is over for maintenance of the equipment supplied if and when required for a period of 7 years from the date of supply of equipment on payment on approved price list basis.
- The equipment must be supported by a Service Centre manned by the principal vendor's technical support engineers. The support through this Centre must be available 24 hours in a day, seven days a week and 365 days a year. Also it should be possible to contract the Principal's vendor support Centre on a toll free number/web/mail.
- The vendor will have to arrange for all the tools required for installation, testing & maintenance etc.

18. Indemnity

- The vendor shall indemnify, protect and save NISER against all claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from infringement of any law pertaining to patent, trademarks, copyrights etc. or such other statutory infringements in respect of all the equipment's supplied by him.
- The successful bidder will be fully responsible for payment of wages and other dues as prescribed and compliance of various Labour Laws.
- The successful tenderer should give an undertaking that the staff deployed at the centre in terms of this contract at all time will be employees of the agency exclusively and they shall not be entitled to any claim of employment or permanency of job with NISER.
- NISER reserves the right to forfeit whole or part of the security money towards any damage/lose caused due to the negligence on the part of the agency engaged.

19. Insurance

The equipment to be supplied will be insured by the vendor against all risks of loss or damage from the date of shipment till such time it is delivered at NISER site or as per agreed terms, in case of Rupee/Foreign currency transaction.

20. Penalty for delayed Services / LD

As time is the essence of the contract, Delivery period mentioned in the Purchase Order should be strictly adhered to. Otherwise the EMD/SD will be forfeited and also LD clause will be applicable /enforced.

If the supplier fails to Supply, Install and Commission the equipment as per specifications mentioned in the order within the due date, the Supplier is liable to pay liquidated damages of 1% of order value per every week of delay subject to a maximum of 10% beyond the due date. Such money will be deducted from any amount due or which may become due to the supplier.

NISER reserves the right to cancel the order in case the delay is more than 30 days Penalties, if any, will be deducted from the EMD.

21. Jurisdiction

If a dispute arises out of or in connection with the contract, or in respect of any defined legal relationship associated therewith or derived there from, the parties agree to submit that dispute to arbitration under the ICADR Arbitration Rules, 1996.

The authority to appoint the arbitrator(S) shall be the International Centre for alternative dispute resolution.

The International Centre for Alternative Dispute Resolution will provide administrative services in accordance with the ICADR arbitration Rules, 1996.

**Stores & Purchase Officer
NISER, Jatni**

DECLARATION BY THE VENDOR

It is hereby declared that I/We the undersigned, have read and examined all the terms and conditions etc. of the tender document for which I/We have signed and submitted the tender under proper lawful Power of Attorney. It is also certified that all the terms and conditions of the tender document are fully acceptable to me/us and I/We will abide by the conditions from serial no. 1 to 21 and we have not given any printed conditions beyond the scope of this tender. This is also certified that I/We/our principal manufacturing firm has no objection in signing the purchase contract if the opportunity for the supply of the items against this tender is given to me/us.

Date:

Signature:

Address:

Name:

Designation:

On behalf of:

(Company Seal)



**UPPLY AND INSTALLATION
OF
Digital Radiography System
FOR
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, JATNI
Notice Inviting E-Tender No. NIT-27/2018(NC-000261-HO/DI-18-19)**

General Information –Self Attested			
www.tendewizard.com/NISER			
Vendor Name			
Sl. No.	Basic Information	Please fill details	Page No. with name of the documents attached in support of information required
1	Name of the Company		
2	Full address of company along with Telephone no. Fax no. E-mail address :		
3	Local address of company for communication, if any		
4	Are you a manufacturer or dealer/reseller		
5	If dealer please attach certificate from your principal company clearly showing validity of the certificate		

6	<p>If foreign supplier : Please give details of your Indian authorised partner if any</p>		
7	<p>Annual turn over in last 3 financial years in Rs. Crores. (i) Year 2015-2016 (ii) Year 2016-2017 (iii) Year 2017-2018 Please attach balance sheet</p>		
8	<p>Supply & Installation of Digital Radiography System to our tendered of last 3 financial years in State Government or Govt. of India Department(s) /Reputed Organisation(s) (in Nos. and Value) (Please attach list of clients) (i) Year 2015-2016 (ii) Year 2016-2017 (iii) Year 2017-2018 Please attach copy of Purchase Order/ Completion Certificate</p>		
9	<p>GST Registration no. with Place</p>		
10	<p>Income Tax Registration no. with place</p>		
11	<p>Photocopy of EMD (If Applicable)</p>		
12	<p>Name and address on whom purchase order will be placed</p>		

13	Bank details of the supplier on which order will be placed		
14	If you are claiming exemption certificate under SSI/DGS&D/DAE, Please attach self attested copy of certificate which should be valid during the tender process		
15	Service centre details & principal vendor support centre		
16	Delivery period :Please mention time of delivery & Installation		
17	Declaration to be submitted by Vendor		
18	Warranty :- 03 Years On-Site Comprehensive Warranty		



TECHNICAL BID
SUPPLY AND INSTALLATION
OF
Digital Radiography System
FOR

NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, JATNI
Notice Inviting E-Tender No. NIT-27/2018(NC-000261-HO/DI-18-19)

www.tenderwizard.com/NISER

Vendor Name		-	
SL. No.	Item Specification	Accepted/Not Accepted/Deviation if any. Please specify your specification if deviation is there	Page No. of your specifications/Brochure/Deviation, etc attached in support of your specification/deviation

1

Digital Radiography (DR) System

1. Should be a digital Radiography system with two flat panel detectors, capable to take digital images in horizontal, vertical and oblique positions of all skeletal body including spine and chest.

2. X-Ray Generator:

High frequency X-Ray generator.

Frequency - 50 KHz or more.

Output power 30 KW or more

KV Range - 40 to 125KVp.

mA range - 10 to 400 mA.

400mA @ 80KV, 320mA @

100KV

mAs range - 0.1 to 630 mAs

Over Load Protection

Digital Display of KV, mA,

mAs/Sec

3. X-Ray tube:

One no of dual focus Rotating anode X-ray tube having focal spots should be provided.

Focal Spot: Small 1.0mm x 1.0mm, large 2mm x 2mm.

One pair of High tension cable (at least 6 meters)

Collimator with full field illumination with auto shut facility within 30 secs.

Anode heat capacity should be 140KHU or more.

4. Control Panel:

A very compact, soft touch control panel having following function should be provided. The panel pedestal mounted.

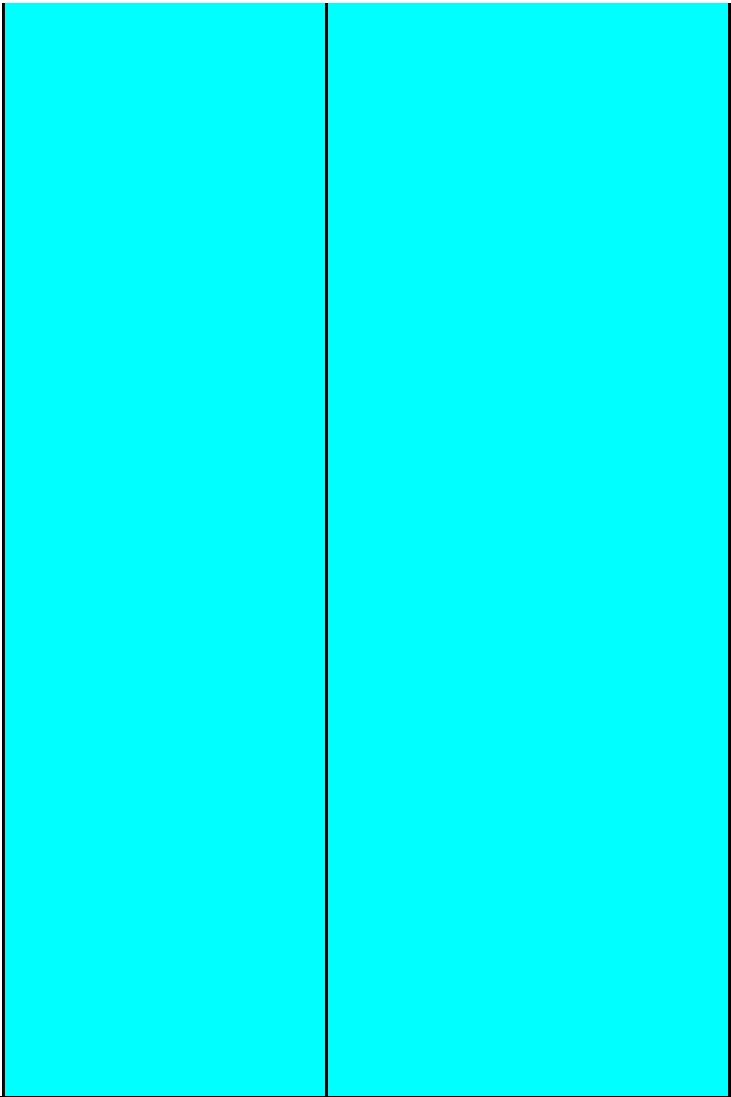
Machine On / Off switch.

Display of KV, mA, mAs & Sec.

Density Control.
KVp increment & Decrement
in step of 1KVp only.
Overload indication.
Error Indication in case of
malfunction of X-Ray
Equipment.
A dual action hand switch
with retractable cord should
be provided for radiation
protection of operator.
Panel having user
configurable anatomical
programs will be preferred.

5. Table:

The table should be
horizontal floating type
Bucky table with floating
table top with immense
flexibility and ease in
positioning.
Table top positioning with
release of electromagnetic



brakes controlled with a foot operated lever.

Table Height - 75 cm or ± 5 cm

Table top - 190 x 82 cm or wider.

Table top should be made up of low radiation absorption (approximate 0.5mmAl equivalent as per AERB standard), water proof material, stain free.

Longitudinal Travel: 110 cm or more.

Transverse Travel: 20 cm or more.

Electromagnetic brakes should be provided for locking of the table movement.

6. Motorized Bucky:

Grid 10.1, 103 LPI.

50 cm travel; movement arrested by electromagnetic

brakes.

Tube shall be centered to Bucky in transverse direction eliminating need for positioning table for every exposure.

Should be capable to accommodate 14"x17" & 17 x17" Flat Panel Detector.

7. VERTICAL BUCKY:

In built Motorized Bucky.

Tilt-able Bucky. Grid 10.1, 103 LPI.

8. Floor Stand Model:

Floor to Ceiling Stand with 360° Axis Rotation.

Column Movement can be arrested by Foot Lock

Column Height - 2400mm±20 mm

Column Horizontal Travel -
3300 mm±20 mm
Tube Horizontal Travel-
800mm±20 mm
Tube Vertical Travel -
1700mm±20 mm
Tube Rotation - 360°
9. Flat Panel Detector:
2 no flat panel detector
should be supplied as per the
following specifications.
Amorphous Silicon (ASi) flat
panel detector.
Direct Deposition Cesium
Iodide (CsI) Scintillator.
Portable wired 17x17 inches
detector
Should have spatial
resolution of 3.5 lines
pair/millimeter or better.
The resolution should not be
lesser than 3072 x 3072
pixels
Should have a minimum

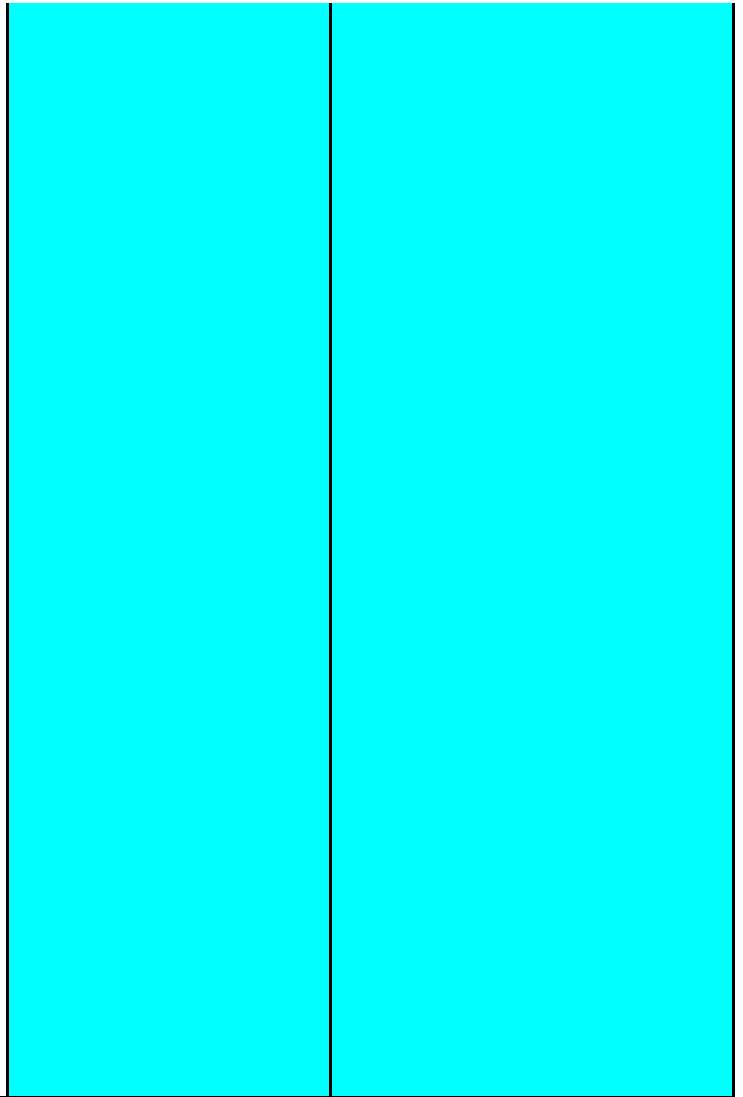


image depth of 14 bit.
The System should be able to enhance MTF by software.
The Software should have Image Stitching facility.
The Pixel pitch should be 140 μ or lesser.

10. Workstation:

Should be supplied with the following configuration:
CPU – Intel i5 or higher, RAM – 8GB, HDD – 1 TB, OS - Window 10.

CD, DVD – R/W drive should be supplied.

Display Monitor: 24" size;
1900 x 1080 Pixels.

Alphanumerical QWERTY Keyboard and mouse.

Online 1 KV UPS for CPU (backup time at least: 30 min)

11. Printer:

The system should be a dry laser imager without any need for of any wet chemistry. The printer should able to print film of any standard size such as 14" x 17", 11" X 14", 10" X 12", and 8" X 10".

The system must be DICOM 3.0 print service class provider, allowing minimum of 10 association at a time.

The system must be able to process atleast 75 films per hour of 14 X 17 inch size of film.

The system must deliver its first film within 80 seconds from print request.

The system must have a partial resolution of 508 PPI / DPI or more for all sizes

printed.

The system must have contrast resolution of 12 bits/ pixel or more.

The system must not involve any wet process and must give a dry film in a single stage (without any user intervention) functionality.

12. Accessories:

Should be supplied with chest stand.

Light weight radiation protection apron of 0.5mm lead equivalence with thyroid guard – 2 nos.

Mobile three fold X-ray protection barrier with lead glass viewing window of 1.7 mm lead or equivalence – 1 no. Should be mounted on heavy duty casters. The centre part should have 3 feet width and 6 feet height. The sides should be 1.5 feet width and 6 feet height.

Cone for skull x-rays.

13. Others:

The offer should be accompanied by original product data sheet/brochure of the product and AERB type approval certificate or valid No Objection Certificate (NOC) for the model offered. In case of NOC valid type approval certificate must be submitted prior to submission of invoice for payments.

QA test should be done free of cost during warranty period (once in every year) and yearly QA test shall be done in the CMC period also and

	<p>the rates shall be included in the CMC offered.</p> <p>Should impart training of users on operation and basic maintenance.</p> <p>X-Ray Machine & Detector should be of similar brand.</p> <p>Manufacturing firm should be ISO13485 approved.</p> <p>The firm should have authorised service center at Bhubaneswar or within 100 km from NISER for prompt after sales services.</p> <p>Three years comprehensive onsite warranty of entire system (Spares and labour), without exclusion, including detector, X-ray tube, computers and all other accessories including batteries. This will be followed by 5 years CMC and AMC to be quoted separately, year wise.</p>		
2	<p>Warranty :- 03 Years On-Site Comprehensive Warranty</p>		



FINANCIAL BID
SUPPLY AND INSTALLATION
OF
Digital Radiography System
FOR

NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, JATNI
Notice Inviting E-Tender No. NIT-27/2018(NC-000261-HO/DI-18-19)

www.tenderwizard.com/NISER

Vendor Name							
SL. No.	Item Specification	Qty	Type of Currency	Unit Price in Foreign currency as per terms & condition no.15(d) of Tender document.	Total Price in Foreign Currency as per terms & condition no.15(d) of Tender document.	Unit Price in INR as per terms & condition no.15(b) of Tender document.	Total Price in INR as per terms & condition no.15(b) of Tender document.
1	Digital Radiography System (As per technical Specification)	01 unit					
	Sub Total				0.00		0.00
	Agency Commission						
	GST Charge If Any						

	Grand Total				0.00		0.00
2	OPTIONAL ITEM						
i	AMC (Non-Comprehensive) charges after expiry of Warranty period in % of basic price only.						
ii	AMC (Comprehensive) charges after expiry of Warranty period in % of basic price only.						