

Notice Inviting Quotation (E-Procurement mode)
कोटेशन को आमंत्रित करने की सूचना (इ-प्रोक्योरमेंट मोड)

INDIAN INSTITUTE OF TECHNOLOGY DELHI
भारतीय प्रौद्योगिकी संस्थान दिल्ली
HAUZ KHAS, NEW DELHI-110016
हौज खास, नई दिल्ली -110016

Dated/ दिनांक : 29/12/2023

Open Tender Notice No. / खुला प्रस्ताव निविदा सूचना नंबर: IITD/KHOS(SP-4483)/2023
Indian Institute of Technology Delhi is in the process of purchasing following item(s) as per details as given as under.

Details of the item आइटम का विवरण	S/I/T/C 1000 mA X-Ray integrated system with Two digital flat panel detectors, Installation on Turnkey basis, site preparation according to safety norms
Earnest Money Deposit to be submitted बयाना जमा करने के लिए जमा राशि	₹3,00,000.00 (Three Lakh Rupees Only)
Warranty वारंटी अवधि	5 Years/5 साल
Performance security निष्पादन सुरक्षा	5% of Contract value
Delivery Schedule	6 Months from the date of PO

Tender Documents may be downloaded from Central Public Procurement Portal <http://eprocure.gov.in/eprocure/app> . Aspiring Bidders who have not enrolled / registered in e-procurement should enroll / register before participating through the website <http://eprocure.gov.in/eprocure/app> . The portal enrolment is free of cost. Bidders are advised to go through instructions provided at 'Instructions for online Bid Submission'.

निविदा दस्तावेज केन्द्रीय सार्वजनिक खरीद पोर्टल <http://eprocure.gov.in/eprocure/app> से डाउनलोड हो सकते हैं। ई-प्रोक्योरमेंट में पंजीकृत नहीं होने वाले इच्छुक बोलीदाताओं को वेबसाइट <http://eprocure.gov.in/eprocure/app> के माध्यम से भाग लेने से पहले पंजीकरण करना चाहिए। पोर्टल नामांकन मुफ्त है बोलीदाताओं को सलाह दी जाती है कि 'ऑनलाइन बोली के लिए निर्देश' पर दिए गए निर्देशों के माध्यम से जाने की सलाह दी जाए। Tenderers can access tender documents on the website (For searching in the NIC site, kindly go to Tender Search option and type 'IIT'. Thereafter, Click on "GO" button to view all IIT Delhi tenders). Select the appropriate tender and fill them with all relevant information and submit the completed tender document online on the website <http://eprocure.gov.in/eprocure/app> as per the schedule given in the next page.

निविदाकर्ता वेबसाइट पर निविदा दस्तावेज का उपयोग कर सकते हैं (एनआईसी साइट में खोज के लिए, कृपया निविदा खोज विकल्प और 'आईआईटी' टाइप करें। उसके बाद, सभी आईआईटी दिल्ली निविदाओं को देखने के लिए "गो" बटन पर क्लिक करें) उपयुक्त निविदा का चयन करें और उन्हें सभी प्रासंगिक सूचनाओं से भरें और वेबसाइट पर <http://eprocure.gov.in/eprocure/app> पर पूरा निविदा दस्तावेज ऑनलाइन जमा करें। अगले पृष्ठ में दिए गए कार्यक्रम के अनुसार

No manual bids will be accepted. All quotation (both Technical and Financial should be submitted in the E-procurement portal).

कोई मैनुअल बोली स्वीकार नहीं की जाएगी। सभी कोटेशन (तकनीकी और वित्तीय दोनों को ई-प्रोक्योरमेंट पोर्टल में जमा करना चाहिए)

SCHEDULE

Name of Organization	Indian Institute of Technology Delhi
Tender Type (Open/Limited/EOI/Auction/Single/Global)	Global
Tender Category (Services/Goods/works)	Goods
Type/Form of Contract (Work/Supply/ Auction/ Service/ Buy/ Empanelment/ Sell)	Buy
Product Category (Civil Works/Electrical Works/Fleet Management/ Computer Systems)	Others
Source of Fund (Institute/Project)	CORP/SS525)(11.54.02.06)_____
Is Multi Currency Allowed	YES
Date of Issue/Publishing	29/12/23 (15:00 Hrs)
Document Download/Sale Start Date	29/12/23 (15:00 Hrs)
Document Download/Sale End Date	26/01/24 (15:00 Hrs)
Date for Pre-Bid Conference	05/01/24 (15:00 Hrs)
Venue of Pre-Bid Conference	IIT Delhi Hospital Committee room
Last Date and Time for Uploading of Bids	26/01/24 (15:00 Hrs)
Date and Time of Opening of Technical Bids	29/01/24 (15:00 Hrs)
Earnest Money Deposit (EMD)	₹3,00,000.00 (Three Lakh Rupees Only)
Mode of Payment of EMD	Rs.3,00,000/- (For EMD) (To be paid through RTGS/NEFT. IIT Delhi Bank details are as under: Name of the Bank A/C : IITD Revenue Account SBI A/C No. : 10773572622 Name of the Bank : State Bank of India, IIT Delhi, Hauz Khas, New Delhi-110016 IFSC Code : SBIN0001077 MICR Code : 110002156 Swift No. : SBININBB547 (This is mandatory that UTR Number is provided in the on-line quotation/bid. (Kindly refer to the UTR Column of the Declaration Sheet at Annexure-II)
No. of Covers (1/2/3/4)	02
Bid Validity days (180/120/90/60/30)	120 days (From last date of opening of tender)
Address for Communication	IIT Delhi Hospital, IIT Delhi, Delhi, Hauz Khas, New Delhi 110016-Mr.Himanshu
Contact No.	011-26596699
Email Address	hodkhos@admin.iitd.ac.in

**Chairman Purchase Committee
(Buyer Member)**

Instructions for Online Bid Submission/ ऑनलाइन बोली (बिड) के लिए निर्देश:

As per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal ([URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app)). The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

व्यय विभाग के निर्देशों के अनुसार, यह निविदा दस्तावेज केंद्रीय सार्वजनिक प्रापण पोर्टल (यूआरएल: <http://eprocure.gov.in/eprocure/app>) पर प्रकाशित किया गया है। बोलीदाताओं को मान्य डिजिटल हस्ताक्षर प्रमाण पत्र का उपयोग करते हुए सीपीपी पोर्टल पर इलेक्ट्रॉनिक रूप से अपनी बोलियों की सॉफ्ट प्रतियां जमा करना आवश्यक है। सीपीपी पोर्टल पर पंजीकरण करने के लिए निविदाकर्ताओं की सहायता करने के लिए नीचे दिए गए निर्देशों का मतलब है, सीपीपी पोर्टल पर आवश्यकताओं के अनुसार अपनी बोलियां तैयार करें और अपनी बोलियां ऑनलाइन जमा करें।

More information useful for submitting online bids on the CPP Portal may be obtained at:

अधिक जानकारी सीपीपी पोर्टल पर ऑनलाइन बोलियां जमा करने के लिए उपयोगी हो सकती है:
<http://eprocure.gov.in/eprocure/app>

REGISTRATION

- Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal ([URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app)) by clicking on the link "Click here to Enroll". Enrolment on the CPP Portal is free of charge.

बोलीदाताओं को "नामांकन के लिए यहां क्लिक करें" लिंक पर क्लिक करके सेंट्रल पब्लिक प्रोक्योरमेंट पोर्टल (यूआरएल: <http://eprocure.gov.in/eprocure/app>) के ई-प्रोक्योरमेंट मॉड्यूल पर भर्ती करना आवश्यक है। सीपीपी पोर्टल पर नामांकन नि: शुल्क है

- As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.

नामांकन प्रक्रिया के भाग के रूप में, बोलीदाताओं को अपने खाते के लिए एक अद्वितीय उपयोगकर्ता नाम चुनना होगा और एक पासवर्ड प्रदान करना होगा।

- Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.

बोलीदाताओं को सलाह दी जाती है कि पंजीकरण प्रक्रिया के भाग के रूप में अपना वैध ईमेल पता और मोबाइल नंबर पंजीकृत करें। इन का उपयोग सीपीपी पोर्टल से किसी भी संचार के लिए किया जाएगा।

- Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.

नामांकन पर, बोलीदाताओं को सीसीए इंडिया द्वारा मान्यता प्राप्त किसी प्रमाणन प्राधिकरण द्वारा जारी किए गए अपने मान्य डिजिटल हस्ताक्षर प्रमाण पत्र (कक्षा द्वितीय या कक्षा III प्रमाण पत्र के साथ महत्वपूर्ण उपयोग पर हस्ताक्षर करने) की आवश्यकता होगी (जैसे सिफी / टीसीएस / एनकोड / ई-मुद्रा आदि), उनके प्रोफाइल के साथ

- Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.

केवल एक मान्य डीएससी एक बोलीदाता द्वारा पंजीकृत होना चाहिए। कृपया ध्यान दें कि निविदाकर्ता यह सुनिश्चित करने के लिए जिम्मेदार हैं कि वे अपने डीएससी को दूसरों को उधार नहीं देते हैं जिससे दुरुपयोग हो सकता है।

- Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / eToken.

बोलीदाता फिर अपने यूजर आईडी / पासवर्ड और डीएससी / ईटीकेन के पासवर्ड को दर्ज करके सुरक्षित लॉग-इन के माध्यम से साइट पर लॉग ऑन करता है।

SEARCHING FOR TENDER DOCUMENTS/ निविदा दस्तावेजों के लिए खोजना

- There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal.

सीपीपी पोर्टल में निर्मित विभिन्न खोज विकल्प हैं, ताकि बोलीदाताओं को कई मापदंडों से सक्रिय निविदाएं खोज सकें। इन मापदंडों में निविदा आईडी, संगठन का नाम, स्थान, तिथि, मूल्य आदि शामिल हो सकते हैं। निविदाओं के लिए उन्नत खोज का एक विकल्प भी है, जिसमें बोलीदाता कई नामों को जोड़ सकते हैं जैसे संगठन का नाम, अनुबंध का स्थान, स्थान, सीपीपी पोर्टल पर प्रकाशित निविदा की खोज के लिए तारीख, अन्य कीवर्ड आदि।

- Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.

बोलीदाताओं ने एक बार निविदाएं चुनी हैं जिसमें वे रुचि रखते हैं, उसका वे आवश्यक दस्तावेज / निविदा कार्यक्रम डाउनलोड कर सकते हैं। ये निविदाएं 'मेरी निविदाओं' फ़ोल्डर में ले जाई जा सकती हैं। इससे सीपीपी पोर्टल को बोलीदाताओं को एसएमएस / ई-मेल के माध्यम से सूचित किया जा सकता है, यदि निविदा दस्तावेज में कोई शुद्धि जारी कि गई है।

- The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

बोलीदाता को प्रत्येक निविदा को निर्दिष्ट अद्वितीय निविदा आईडी का नोट बनाना चाहिए, अगर वे हेल्पडेस्क से कोई स्पष्टीकरण / सहायता प्राप्त करना चाहते हैं।

PREPARATION OF BIDS / बोली (बिड) की तैयारी

- Bidder should take into account any corrigendum published on the tender document before submitting their bids.

बोलीदाता को अपनी बोलियां जमा करने से पहले निविदा दस्तावेज पर प्रकाशित किसी भी शुद्धि को ध्यान में रखना चाहिए।

- Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

कृपया बोली के भाग के रूप में जमा किए जाने वाले दस्तावेजों को समझने के लिए निविदा विज्ञापन और निविदा दस्तावेज ध्यान से देखें। कृपया उन अंकों की संख्या पर ध्यान दें जिन में बोली दस्तावेज जमा करना है, दस्तावेजों की संख्या - जिसमें प्रत्येक दस्तावेज के नाम और सामग्री शामिल हैं, जिन्हें प्रस्तुत करने की आवश्यकता है। इनमें से कोई भी विचलन बोली को अस्वीकार कर सकता है।

- Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with 100 dpi with black and white option.

बोलीदाता, अग्रिम में, निविदा दस्तावेज / अनुसूची में बताए अनुसार प्रस्तुत करने के लिए बोली दस्तावेज तैयार करना चाहिए और आम तौर पर, वे पीडीएफ / एक्सएलएस / आरएआर / डीडब्ल्यूएफ स्वरूपों में हो सकते हैं। बोली दस्तावेजों को 100 डीपीआई के साथ काले और सफेद विकल्प स्कैन किया जा सकता है।

- To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Space” area available to them to upload such documents. These documents may be directly submitted from the “My Space” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

मानक दस्तावेजों के एक ही सेट को अपलोड करने के लिए आवश्यक समय और प्रयास से बचने के लिए जो प्रत्येक बोली के भाग के रूप में जमा करने के लिए आवश्यक हैं, ऐसे मानक दस्तावेज अपलोड करने का प्रावधान (जैसे पैन कार्ड कॉपी, वार्षिक रिपोर्ट, लेखा परीक्षक प्रमाण पत्र आदि)) बोलीदाताओं को प्रदान किया गया है। ऐसे दस्तावेजों को अपलोड करने के लिए बोलीकर्ता उनके लिए उपलब्ध "मेरा स्पेस" क्षेत्र का उपयोग कर सकते हैं। बोली जमा करते समय ये दस्तावेज सीधे "मेरा स्पेस" क्षेत्र से जमा किए जा सकते हैं, और उन्हें बार-बार अपलोड करने की ज़रूरत नहीं है इससे बोली जमा प्रक्रिया के लिए आवश्यक समय में कमी आएगी।

SUBMISSION OF BIDS/ बोली (बिड) का जमा करना

- Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.

बोलीदाता को बोली प्रस्तुति के लिए अच्छी तरह से साइट पर लॉग इन करना चाहिए ताकि वह समय पर बोली अपलोड कर सके या फिर बोली प्रस्तुत करने के समय से पहले। अन्य मुद्दों के कारण किसी भी देरी के लिए बोलीदाता जिम्मेदार होगा।

- The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.

बोलीदाता को निविदा दस्तावेज में दर्शाए अनुसार एक-एक करके आवश्यक बोली दस्तावेजों को डिजिटल हस्ताक्षर और अपलोड करना होगा।

- Bidder has to select the payment option as “on-line” to pay the tender fee / EMD as applicable and enter details of the instrument. Whenever, EMD / Tender fees is sought, bidders need to pay the tender fee and EMD separately on-line through RTGS (Refer to Schedule, Page No.2).

बोलीदाता को निविदा शुल्क / ईएमडी को भुगतान के लिए "ऑन लाइन" के रूप में भुगतान विकल्प चुनना होगा और उपकरण का विवरण दर्ज करना होगा। जब भी, ईएमडी / निविदा शुल्क की मांग की जाती है, बोलीदाताओं को टेंडर शुल्क और ईएमडी अलग-अलग आरटीजीएस के माध्यम से ऑन लाइन पर भुगतान करने की आवश्यकता होती है (अनुसूची, पेज नं .2 देखें)।

- A standard BoQ format has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the BoQ file, open it and complete the white colored (unprotected) cells with their respective

financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.

एक मानक BoQ प्रारूप को सभी बोलीदाताओं द्वारा भरने के लिए निविदा दस्तावेज प्रदान किया गया है। बोलीदाताओं को इस बात का ध्यान रखना चाहिए कि उन्हें आवश्यक प्रारूप में अपनी वित्तीय बोली जमा करनी चाहिए और कोई अन्य प्रारूप स्वीकार्य नहीं है। बोलीकर्ताओं को BoQ फाइल को डाउनलोड करने, इसे खोलने और अपने संबंधित वित्तीय उद्धरण और अन्य विवरण (जैसे बोलीदाता का नाम) के साथ सफेद रंगीन (असुरक्षित) कोशिकाओं को पूरा करना आवश्यक है। कोई भी अन्य कक्ष नहीं बदला जाना चाहिए। एक बार विवरण पूरा हो जाने पर, बोलीदाता को इसे सहेजना होगा और इसे ऑनलाइन जमा करना होगा, बिना फ़ाइल नाम बदलना। यदि BOQ फ़ाइल को बोलीदाता द्वारा संशोधित किया गया है, तो बोली को खारिज कर दिया जाएगा।

- The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

सर्वर का समय (जो बोलीदाताओं के डैशबोर्ड पर प्रदर्शित होता है) बोलीदाताओं द्वारा बोलियों को खोलने के लिए समय सीमा को संदर्भित करने के लिए मानक समय के रूप में माना जाएगा। बोलीदाताओं को खोलना आदि। बोलीदाताओं को बोली प्रस्तुत करने के दौरान इस समय का पालन करना चाहिए।

- All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done.

बोलीदाताओं द्वारा प्रस्तुत सभी दस्तावेज पीकेआई एन्क्रिप्शन तकनीकों का उपयोग करके एन्क्रिप्ट किया जाएगा जिससे डेटा की गोपनीयता सुनिश्चित हो सके। दर्ज किए गए डेटा को अनधिकृत व्यक्तियों द्वारा बोली खोलने के समय तक नहीं देखा जा सकता है। बोलियों की गोपनीयता को सुरक्षित सॉकेट लेयर 128 बिट एन्क्रिप्शन तकनीक का उपयोग कर रखा जाता है। संवेदनशील क्षेत्रों का डेटा संग्रहण एन्क्रिप्शन किया जाता है।

- The uploaded tender documents become readable only after the tender opening by the authorized bid openers.

अपलोड किए गए निविदा दस्तावेज केवल अधिकृत बोलीदाता द्वारा निविदा खोलने के बाद ही पठनीय हो सकते हैं।

- Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.

बोलियों के सफल और समय पर जमा होने पर, पोर्टल एक सफल बोली प्रस्तुत करने का संदेश देगा और एक बोली सारांश बोली संख्या के साथ प्रदर्शित किया जाएगा। और अन्य सभी प्रासंगिक विवरणों के साथ बोली प्रस्तुत करने की तारीख और समय।

- Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.

कृपया अनुपालन पत्रक की एक पीडीएफ फाइल में सभी प्रासंगिक दस्तावेजों के स्कैन किए गए पीडीएफ को जोड़ दें।

ASSISTANCE TO BIDDERS / बोलीदाताओं को सहायता

- Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.

निविदा दस्तावेज से संबंधित कोई भी प्रश्न और इसमें निहित नियमों और शर्तों को निविदा आमंत्रण प्राधिकरण को निविदा के लिए या निविदा में वर्णित प्रासंगिक संपर्क व्यक्ति से संबोधित किया जाना चाहिए।

- Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 1800 233 7315.

ऑनलाइन बोली प्रस्तुत करने या सामान्य में सीपीपी पोर्टल से संबंधित प्रश्नों की प्रक्रिया से संबंधित कोई भी प्रश्न 24x7 सीपीपी पोर्टल हैल्पडेस्क पर निर्देशित किया जा सकता है। हैल्पडेस्क के लिए संपर्क संख्या 1800 233 7315 है

General Instructions to the Bidders / बोलीदाताओं के लिए सामान्य निर्देश

- The tenders will be received online through portal <http://eprocure.gov.in/eprocure/app> . In the Technical Bids, the bidders are required to upload all the documents in .pdf format. निविदाएं पोर्टल <http://eprocure.gov.in/eprocure/app> के माध्यम से ऑनलाइन प्राप्त होंगी तकनीकी बोलियों में, बोलीदाताओं को सभी दस्तावेजों को। पीडीएफ प्रारूप में अपलोड करना होगा।
- Possession of a Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/e-token in the company's name is a prerequisite for registration and participating in the bid submission activities through <https://eprocure.gov.in/eprocure/app>. Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site <https://eprocure.gov.in/eprocure/app> under the link "Information about DSC".
कंपनी के नाम में स्मार्ट कार्ड / ई-टोकन के रूप में मान्य क्लास II / III डिजिटल हस्ताक्षर प्रमाण पत्र (डीएससी) के पंजीकरण के लिए एक शर्त है और <https://eprocure.gov.in/eprocure/> के माध्यम से बोली प्रस्तुत करने की गतिविधियों में भाग ले सकते हैं। डिजिटल हस्ताक्षर प्रमाण पत्र अधिकृत प्रमाणित एजेंसियों से प्राप्त की जा सकती है, जिनमें से जानकारी "डीएससी के बारे में सूचना" लिंक के तहत वेब साइट <https://eprocure.gov.in/eprocure/app> पर उपलब्ध है।
- Tenderer are advised to follow the instructions provided in the 'Instructions to the Tenderer for the e-submission of the bids online through the Central Public Procurement Portal for e Procurement at <https://eprocure.gov.in/eprocure/app>.
निविदाकर्ता को सलाह दी जाती है कि वे निविदाकार को निर्देश दिए गए हों ताकि ई-प्रोक्योरमेंट के लिए सेंट्रल पब्लिक प्रोक्ॉर्ममेंट पोर्टल के जरिए <https://eprocure.gov.in/eprocure/app> पर ऑनलाइन निविदाएं जमा कर सकें।

IIT Delhi Hospital
Indian Institute of Technology
Hauz Khas, New Delhi-110 016

NOTICE INVITING QUOTATIONS

Subject : Purchase of S/I/T/C 1000 mA X-Ray integrated system with Two digital flat panel detectors, Installation on Turnkey basis, site preparation according to safety norms

Invitation for Tender Offers

Indian Institute of Technology Delhi invites online Bids (Technical bid and Commercial bid) from eligible and experienced OEM (Original Equipment Manufacturer) OR OEM Authorized Dealer for **supply, installation & integration of S/I/T/C 1000 mA X-Ray integrated system with Two digital flat panel detectors, Installation on Turnkey basis, site preparation according to safety norms** with (warranty period as stated at page #1 of this tender) on site comprehensive warranty from the date of receipt of the material as per terms & conditions specified in the tender document, which is available on CPP Portal <http://eprocure.gov.in/eprocure/app>

TECHNICAL SPECIFICATION:

Tender are invited from reputed manufacturers and their authorized vendors for the supply, installation & integration of S/I/T/C 1000 mA X-Ray integrated system with Two digital flat panel detectors, Installation on Turnkey basis, site preparation according to safety norms with the following or better technical specifications.	
If any of the technical specifications offered are better than those listed, clear comparison should be provided in the compliance statement with a separate “Remarks” highlighting how the specification is better than that listed.	
Sl. No.	Technical Specifications
1.	The Units should be completely integrated system (integrated X-ray generator and image acquisition control console). Out of Generator/Tube/Detector, at least two (if not three) must be manufactured by the quoting vendor themselves.
2.	Generator
2a.	1000 mA unit with microprocessor controlled with 100Khz high frequency X-ray generator with power output of 80 KW or more .
2b.	KV/MA output specification :800mA at 100 kv
2c.	The exposure range should be 40-150KV
2d.	The minimum exposure time should be 2 msec or less.
2e.	Automatic exposure control function is an essential requirement.
3	X-Ray Tube
3a.	Should be ceiling suspended
3b.	Tube should have at least 2 focal spot
3c.	Small focal spot should be 0.6 or less and large focal spot should be 1.2 or less
3d.	Tube loading should be at least 30 KW for small and at least 80 KW for large focus.
3e.	Should have motorized movement of ceiling suspended tube.
3f.	Should have electromagnetic locks with collision protection sensor/mechanism
3g.	Field size programming should be possible.
3h.	Anode heat storage capacity should be 300 KHU or more.

3i.	X-ray tube and collimator section should have automated image shuttering and cropping facility in collimator.
3j.	All the movements of the overhead tube suspension (3D column stand) and the chest stand (vertical detector) should be fully motorized. It should be possible to override it manually.
3k.	There should be auto positioning of the overhead tube suspension against both the vertical detector and the table detector. This should be possible through selected protocol from both the console as well as from wall stand control.
3l.	Tube tracking should be there in all axes .Tube-detector alignment on table and vertical bucky to be provided as standard.
3m.	Tube Rotation: Vertical Axis: +/-135 degrees, Horizontal axis: +125/- 125 degrees or better. Please specify rotation of your offered model.
3n.	Should have motorized copper filter to avoid unwanted radiation
3o.	Overhead tube suspension (3D column stand) should also have a 12 inch touch screen with display of important parameters , controls and change technique . It should work as secondary console .
4.	Horizontal Bucky Table
4a.	Motor driven, adjustable height floating table top of carbon fibre or equivalent material.
4b.	Compact bucky table with integrated built-in digital flat panel detector.
4c.	Foot switches / Kick switch for adjusting height, longitudinal/side to side movements, locking.
4d.	Detector movement should be synchronized with movement of the X-Ray tube.
4e.	Tube movement should be synchronized with the table so that the SID is maintained automatically
4f.	Removable grid for SID of 100cms for horizontal table applications
4g.	Automatic exposure control should be available
5.	Vertical Bucky (Wall stand)
5a.	Motorized, counter balanced adjustable height vertical Bucky with integrated built-in digital flat panel detector.
5b.	Should be possible to tilt the Vertical detector system (-15 ⁰ to + 90 ⁰)
5c.	Should be able to travel vertically from 15 inches to 60 inches above floor level
5d.	Detector movement should be synchronized with movement of the X-Ray tube in all planes.
5e.	Removable grid for SID of 180 cms for vertical bucky applications
5f.	Automatic exposure control should be available
6.	Detector System specification
6a.	Detector material should be made of amorphous silicon with CSi scintillator
6b.	Two Digital flat panel detector systems with detector integrated into the wall stand and integrated for Bucky table. (total of 2 separate fixed detectors).
6c.	Minimum size of detectors should be 41cms X 41 cms or more for integrated detectors.
6d.	Image matrix size 2k x 2k pixels or more.
6e.	Pixels size should be 200µm or less
6f.	Image resolution should be 2.5 lps/mm or more
6g.	DQE of detector system should be 65% or more at 0.05 lps/mm

6h.	Tube assembly movement to be automatically synchronized/tracking with both the horizontal and vertical detectors movement
6i.	Image processing time should not be more than 10 sec.
7.	Operating (acquisition) Station
7a.	Should have high resolution TFT/LCD monitors of minimum 23" size or more (fully flat) with minimum 1024x1024 or more display matrix and antireflective front screen. 16 GB RAM and 1 TB HDD storage.
7b.	Image acquisition matrix should be minimum of 2k x 2K
7c.	System should have auto protocol select
7d.	Operating console should have facility for patient identity entry, viewing and processing images, documentation.
7e.	Preview image should be ready in 5 sec or less.
7f.	Dose monitoring and reporting based on DRL (Dose reference level) using DAP meter readings and EI should be possible. It should be possible to generate structured reports on dose performance which can be shared with PACS and other DICOM systems. The dose monitoring tools should provide Statistical Analysis of Exposure and Dose performance on following parameters: <ul style="list-style-type: none"> · Exposure Index and Deviation Index · Dose Area Product (DAP) values · Complete Exposure List · Results can be Exported · Dose Trend It should be possible to record reasons for over/under exposure per exposure if the Dose reference level indicates deviation from recommended dose level. It should be also possible to generate a report based on the reasons for over/under shoot.
8.	Image Viewing, Post –Processing and reporting Station and Documentation
8a.	An Independent workstation with all post processing and printing facility should be quoted with storage capability of 10,000 or more images with ability to review and report X Rays independent of main console: <ul style="list-style-type: none"> • High speed intel xeon processor based CPU (3.0 GHz or higher processing speed) with post processing capability • 16 GB RAM or more • Should have its independent memory and hard disk of atleast 1 TB Should have a high resolution medical grade LCD colour monitor of size 19" or more
8b.	Should have independent monitor of high resolution TFT/LCD monitor of 19" or more.
8c.	Image display matrix should be of high resolution, minimum of 1.5 K x 1.5 K
8d.	Post acquisition image processing, viewing, reprocessing, hard copy documentation and onward transmission should be possible.
8e.	Image processing functions like rotate, mirroring, zoom, move, and windowing filter should be possible.
8f.	There should be facility for measurements.
8g.	Should be connected to a Dry chemistry Camera of 500 DPI or more for documentation. The camera should accept all size films upto 14"x17" size (three film size trays should be active).
8h.	Multiformat printing should be possible with user selectable options.
8i.	It should be possible to create alphabetical, date wise and exam based, work list
8j.	Work list should be auto refreshing

9.	Image Storage and Transmission
9a.	Acquisition system should have hard disc storage capacity should be of 4000 or more images and Additional post processing Workstation should have storage capacity of 10,000 images or more
9b.	The systems should support storage of images on compact discs and DVD
9c.	The system should be DICOM 3.0 (or higher version) ready (like send, receive, print, record on CD/DVD, acknowledge etc.) for connectivity to any network, computer/PC etc. in DICOM format.
9d.	Integration and networking should be possible with any other existing/future networking including other modalities, HIS and RIS and PACS. Vendor will connect it to existing RIS PACS network without extra cost for existing and future networking.
10.	Accessories
10a.	Dry chemistry Camera of 500 DPI or more
10b.	UPS (of 3 KVA) for the computer with 30 minutes backup
10c.	Lead glass of size 100x 150 cm or more for console room.
10d.	Vendor to install wireless mike system for calling patients who are waiting outside
10e.	Four light weight 'zero lead' aprons of 0.5 mm lead equivalence with integrated (attached) thyroid shield collar
10f.	A 120 KV or better stabilizer for the DR system
11.	Upgrading requirement:
11a.	A free comprehensive software update/upgrade (compatible with the offered platform) guarantee for 10 years after installation.
12.	Furniture
12a.	Cupboard for storage – one
12b.	Swivel chairs with arm rest –Four
12c.	Console Table with storage space– one
12d.	Gonadal shields for boys and girls of all age groups – one set each
12e.	Stand for lead aprons and Gonadal shields
12f.	Wall fans – two
13.	Warranty/After Sale Service
13a.	Five year comprehensive onsite warranty of entire system (Spares and labour) including X-ray tube and all accessories and civil, electrical and air conditioning works. Vendor will maintain the room during entire duration of Warranty and will paint it on alternate years.
13b.	95% uptime guarantee should be given. In case down time exceeds 5%, penalty in the form of extended warranty, double the number of days for which the equipment goes out of service, will be applied.
13c.	Warranty will start after installation of the instrument.
14.	Installation and Turnkey
14a.	All site approval, layout approval and registration of equipment from AERB shall be done by IIT Hospital under the supervision and assistance of the supplier.
14b.	All turnkey work proposed by the selected firm will require approval of competent authorities including engineering section of the institute, before implementation.

14c.	A complete site preparation plan will be required to be submitted as a turnkey project. The vendor will be eligible to inspect the proposed site.
14d.	The cost of alteration and preparation in a specified built in area on turn key basis which will include civil, electrical and air conditioning and maintenance of air conditioning is to be borne by the firm. Requirement of power and air conditioning must be clearly specified. The room should be adequately air- conditioned and that should be discussed with engineering department of the IIT Delhi.
14e.	Civil: Vendor should give total cost as well per sq m (unit cost) cost of turn key.
14f.	Demolition of brick work and reconstruction of same as per site requirement. Tiling Work- Flooring-600x600mm Matt finish branded ceramic tiles, wall-100mm skirting, rest POP with plastic emulsion paint on complete walls.
14g.	Ceiling work – Metal powder coated false ceiling to be considered.
14h.	Doors – the doors associated with the examination room to be lead lined laminated. wooden doors with hard wood frames, rest all other door would be laminated wooden Damage to the wall due to stretchers. Brick wall partition between radiography room and console with lead glass.
14i.	Electrical: All general lighting in the area will be carried out by LED light by using copper wiring and PVC conduits. The lights will be of Philips, Syska or equivalent. The switches will be of Crabtree, Havells or equivalent. Earthing for DR system UPS etc to be provided by vendor.
14j.	A state of the art fire fighting system with alarm and smoke detectors to be installed and connected to nearest fire panel of hospital. Fire extinguishers 3 nos. 2kg ABC type to be provided.
14k.	Lead lining of the walls and doors, as required.
14l.	Changing area with lead lined walls / partition. This needs to be clarified and approved by HOD.
15.	Essential Certification
15a.	Radiation safety certificate – offered model must have a valid AERB, the copy of E-LORA Listing should be submitted along with bid.
15b.	NOC / Type approved certificate at the time of submission of tender.
15c.	Quality certificate: Entire unit along with console software and detectors /generator must be USA FDA or European CE approved.
15d.	OEM Certificate required.
15e.	Regular QA according to AERB norms will be responsibility of bidder during warranty period
16.	List of Optional Items
16a.	5 years Comprehensive Maintenance Contract (CMC) for entire system after essential warranty.
16b.	Software which can have Bone suppression to remove bone structures from adult erect chest images for an unobstructed view of soft tissue.
16c.	Artificial intelligence driven software for image processing.
16d.	Automatic acquisition and Automatic stitching should be available in vertical stand as well as on the table (supine). The stitching should be automated and angular. Stitching should be possible on main system. There should be in built measurement scale.
16e.	Artificial intelligence based auto positioning. Live camera should be in built.
16e.	Dual energy Software and equivalent advance software
16f.	Any other advanced image processing softwares
17.	Important instructions to supplier

17a.	Please submit copy of supply order of offered model, if sold anywhere else in India or abroad.
17b.	In the price bid, please give breakdown of cost of each items, third party / local items separately for easy comparison.
17c.	All the information in the tender document must be supported by product data sheets (original copy). All information asked must be provided under heading given above. Incomplete and haphazard information will not be accepted.
17d.	Please provide names and addresses of other installations in India & abroad, if any.
17e.	The supplier must ensure the availability of expert service and maintenance. Uninterrupted availability of spare parts and repair of next ten years must be assured.
18.	Additional Terms & Conditions
18a.	Evaluation of L1 Bidder will be determined with cost of machine plus CMC cost.
18b.	3 rd Party Inspection (Cost of Inspection to be borne by Vendor).
18c.	Pre-Bid Inspection of the site of installation by Vendor.
18d.	Pre-Bid Meeting.
18e.	<p>Training</p> <p>The manufacturer/supplier should provide at least five days onsite training initially during installation</p> <p>The supplier or manufacturer should also provide dedicated five days advanced training subsequent to the above training installation.</p> <p>Regular follow up training every six months during the period of warranty on mutually convenient dates for hardware, software and application to the personnel in the installation, operation and maintenance of the instruments.</p>
19.	<p>Support and Service</p> <p>The manufacturer must have at least two qualified and factory trained service engineer in India to be able to attend to service at IIT Delhi within 48 hours on submitting a complaint. Training certificates from the manufacturer have to be provided with the tender.</p> <p>For warranty period, only factory trained and certified engineers are acceptable to attend the service (Please submit detail in Annexure-III).</p> <p>The response time with an engineer on site must be less than 48 hours from the notification of the failure. The company must provide evidence that it can fulfil this requirement.</p> <p>In case the parts are required to be imported for repairs, the same should be made available within 2 weeks from the date of reporting of the issue. Any extension in this time will need to be compensated by the manufacturer by extending the comprehensive warranty by the excess period taken (i.e. period beyond 2 weeks) in completing the repairs.</p>

1. Technical Qualification Criteria

- I. Only those bidders who qualify all Pre-Qualification/Minimum Eligibility Criteria requirements shall be qualified for technical bid evaluation.
- II. The Purchase Finalization Committee (PFC) reserves the right to reject a Bidder in case the offered product/service does not match the technical requirements/ objectives specified in Technical Bid – Buyer’s Requirements.
- III. The technical bid shall first be reviewed for determining the Compliance of the Technical bids with the tender/NIQ terms and conditions, Minimum/ mandatory

Technical requirements, and the scope of work as defined in this tender/NIQ.

- IV. Any bid found to be non-compliant with the mandatory Technical Requirements, tender terms, conditions, and scope of work shall be rejected and shall not be considered for further evaluation. Bids that are technically compliant would only be taken up for commercial evaluation.
- V. Bidder is required to submit all the supporting documents as per the criteria mentioned in the tender/NIQ. However, PFC reserves the right to summarily reject any bid which does not contain all the mandatory supporting document or may ask the bidder to resubmit documents, the decision of PFC/Buyer shall be final and binding in this regard.
- VI. PFC reserves the right to disqualify any bidder based on any relevant criteria, and its decision is final.
- VII. The Bidder should submit Copy of Work Order / Contract Agreement/Work completion certificate/installation certificate/performance certificate and any document justifying the completion of the assignment from the client.
- VIII. The PFC reserves the right to renegotiate any terms (Price / Technical) further with the successful Bidder.

2. Minimum Eligibility Criteria/ Pre- Qualification Criteria:-

- 2.1 Bids will only be accepted from principal manufacturers OR their authorized bidders of **X- Ray DR 1000mA** having full-service support offices in India.
- 2.2 The bidder must have executed at least 2 supply orders/ contracts/ agreements for supply, installation, testing, commissioning of **X-Ray DR 1000mA** Documentary evidence (PO & Successful installation report) for the same should be furnished along with the technical bid.
- 2.3 The bidders should submit the required documents / financial instruments as stipulated in Para 3 of Section – I.
- 2.4 The bidder should have average annual turnover of at least ₹ 15 Cr for the last three financial years 2020-21, 2021-22 and 2022-23.
- 2.5 Bidder should have adequate experience in deployment and maintaining **X-Ray DR 1000mA** and should have executed similar kind of installations/work in leading/premier Central/State Govt. Hospitals/Private Hospitals/Premier Imaging Centers/R&D Institutions.
- 2.6 The bidder shall provide the PAN Number/GST No./Income Tax returns of last three financial years, as applicable, allotted by the concerned authorities.
- 2.7 Pertaining to items like components, other than **X-Ray DR 1000mA**, a specific authorization letter from the respective principal/s clearly indicating that the principal will provide all necessary service / support both through the bidder and directly to IIT Delhi, towards achieving performance and acceptance criteria as stipulated in this document, if and when required and that they would facilitate the bidder on a regular basis with technology/product updates and extend support for the warranty as well.
- 2.8 Only one bid from each bidder would be accepted.
- 2.9 The bidder must not be blacklisted by IIT or any other Hospital/Educational/R&D/Govt. organizations. A certificate or undertaking to this effect must be submitted

The committee will evaluate the qualified bidders as per the criteria set below:

3. Evaluation of financial/commercial bids (As per Commercial Bid Template/BOQ Form-16)

- a. The commercial Bids of the technically qualified bidders shall then be opened on the notified date and time as on the CPP Portal.
- b. Commercial Bids that are not as per the provided format shall be liable for rejection.

4. Selection of Bidder –

- a. The Selected bidder shall not be declared till the detailed commercial bid is not evaluated. During the evaluation, if the Purchaser finds that the detailed commercial bid is not in order or incomplete etc. then Purchaser shall treat the bid as non-viable and same shall be rejected, and EMD shall be forfeited.
- b. If any bidder withdraws his bid, at any stage after the submission of the bid, till the final evaluation or declaration of the final selected bidder, it shall be declared a defaulting bidder and EMD of such defaulting bidder shall be forfeited and PFC/Purchaser reserves right to blacklist such bidders for next three years from participating in any tender in IIT Delhi. In such a situation, the tendering process shall be continued with the remaining bidders as per their ranking.
- c. If the bidder backs out after being declared as selected bidder, it shall be declared a defaulting bidder and EMD of such defaulting bidder shall be forfeited and Purchaser reserves right to blacklist such organization for next three years from participating in any Purchaser Tender.

5. FINAL EVALUATION OF BID

Least Cost System. The bidder with the lowest rate among technically qualified bidders will be awarded the contract.

A complete set of tender documents* may be Download by prospective bidder free of cost from the website <http://eprocure.gov.in/eprocure/app>. Bidder has to make payment of requisite fees (i.e. Tender fees (if any) and EMD) online through RTGS/NEFT only.

Terms & Conditions Details

Sl. No.	Specification
•	Due date: The tender has to be submitted on-line before the due date. The offers received after the due date and time will not be considered. No manual bids will be considered.

•	<p>Preparation of Bids: The offer/bid should be submitted in two bid systems (i.e.) Technical bid and financial bid. The technical bid should consist of all technical details along with commercial terms and conditions. Financial bid should indicate item wise price for the items mentioned in the technical bid in the given format i.e BoQ_XXXX. The Technical bid and the financial bid should be submitted Online.</p> <p><i>Note: -Comparison of prices will be done ONLY on the bids submitted for the Main Equipment and anything asked as 'Optional' in the specs is not to be included for overall comparison.</i></p>
•	<p>EMD (if applicable): The tenderer should submit an EMD amount through RTGS/NEFT. The Technical Bid without EMD would be considered as UNRESPONSIVE and will not be accepted. The EMD will be refunded without any interest to the unsuccessful bidders after the award of contract. Refer to Schedule (at page 1 of this document) for its actual place of submission.</p>
•	<p>Refund of EMD: The EMD will be returned to unsuccessful Tenderer only after the Tenders are finalized. In case of successful Tenderer, it will be retained till the successful and complete installation of the equipment.</p>
•	<p>Opening of the tender: The online bid will be opened by a committee duly constituted for this purpose. Online bids (complete in all respect) received along with EMD (if any) will be opened as mentioned at “Annexure: Schedule” in presence of bidders representative if available. Only one representative will be allowed to participate in the tender opening. Bid received without EMD (if present) will be rejected straight way. The technical bid will be opened online first and it will be examined by a technical committee (as per specification and requirement). The financial offer/bid will be opened only for the offer/bid which technically meets all requirements as per the specification, and will be opened in the presence of the vendor’s representatives subsequently for further evaluation. The bidders if interested may participate on the tender opening Date and Time. The bidder should produce authorization letter from their company to participate in the tender opening.</p>
•	<p>Acceptance/ Rejection of bids: The Committee reserves the right to reject any or all offers without assigning any reason.</p>
•	<p>Pre-qualification criteria:</p> <ul style="list-style-type: none"> (i) Bidders should be the manufacturer / authorized dealer. Letter of Authorization from original equipment manufacturer (OEM) on the same and specific to the tender should be enclosed. (ii) An undertaking from the OEM is required stating that they would facilitate the bidder on a regular basis with technology/product updates and extend support for the warranty as well. (Ref. Annexure-II) (iii) OEM should be internationally reputed Branded Company. (iv) Non-compliance of tender terms, non-submission of required documents, lack of clarity of the specifications, contradiction between bidder specification and supporting documents etc. may lead to rejection of the bid. (v) In the tender, either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender. (vi) If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.
•	<p>Performance Security: Performance Security may be furnished in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt from a Commercial bank, Bank Guarantee (including e-Bank Guarantee) from a Commercial bank or online payment in an acceptable form safeguarding the purchaser’s interest in all respects within 21 days from the date of receipt of the purchase order/LC and should be kept valid for a period of 60 days beyond the date of completion of warranty period.</p>
•	<p>Force Majeure: The Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, it’s delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.</p> <ul style="list-style-type: none"> • For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable.

	<p>Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.</p> <ul style="list-style-type: none"> • If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
•	<p>Risk Purchase Clause: In event of failure of supply of the item/equipment within the stipulated delivery schedule, the purchaser has all the right to purchase the item/equipment from the other source on the total risk of the supplier under risk purchase clause.</p>
•	<p>Packing Instructions: Each package will be marked on three sides with proper paint/indelible ink, the following:</p> <ul style="list-style-type: none"> • Item Nomenclature • Order/Contract No. • Country of Origin of Goods • Supplier's Name and Address • Consignee details • Packing list reference number
•	<p>Delivery and Documents: within 24 hours of shipment, the supplier shall notify the purchaser and the insurance company by email the full details of the shipment including contract number, railway receipt number/ AAP etc. and date, description of goods, quantity, name of the consignee, invoice etc. The supplier shall mail the following documents to the purchaser with a copy to the insurance company:</p> <ul style="list-style-type: none"> • 4 Copies of the Supplier invoice showing contract number, goods' description, quantity • unit price, total amount; • Insurance Certificate if applicable; • Manufacturer's/Supplier's warranty certificate; • Inspection Certificate issued by the nominated inspection agency, if any • Supplier's factory inspection report; and • Certificate of Origin (if possible, by the beneficiary); • Two copies of the packing list identifying the contents of each package. • The above documents should be received by the Purchaser before arrival of the Goods (except where the Goods have been delivered directly to the Consignee with all documents) and, if not received, the Supplier will be responsible for any consequent expenses.
•	<p>Delayed delivery: If the delivery is not made within the due date for any reason, the Committee will have the right to impose penalty 1% per week and the maximum deduction is 10% of the contract value / price.</p>
•	<p>Prices: The price should be quoted in net per unit (after breakup) and must include all packing and delivery charges. The offer/bid should be exclusive of taxes and duties, which will be paid by the purchaser as applicable. However, the percentage of taxes & duties shall be clearly indicated.</p> <p>The price should be quoted without custom duty and excise duty, since IIT Delhi is exempted from payment of Excise Duty and is eligible for concessional rate of custom duty. Necessary certificate will be issued on demand.</p> <p>IN CASE OF IMPORTS, THE PRICE SHOULD BE QUOTED ON FOB/FCA ORIGIN AIRPORT BASIS ONLY. Under special circumstances (only perishable chemicals), when the item is imported on CIF/CIP, please indicate CIF/CIP charges separately upto IIT Delhi indicating the mode of shipment. IIT Delhi will make necessary arrangements for the clearance of imported goods at the Airport/Seaport. Hence the price should not include the above charges. At any circumstances, it is the responsibility of the foreign supplier to handover the material to our nominated forwarder at the origin airport after completing all the inland clearing.</p>

	<p>In case of CIF/CIP, shipment information must be provided at least 2 days in advance before the landing of shipment along with the documents i.e. invoice, packing list, forwarder Name, address, contact No. in India to save penalty/demurrage charges (imposed by Indian Customs), failing which, these charges will be recovered from the supplier/Indian Agent. To avoid the penalty/ demurrage charges due to late filing of Bill of Entry, it is advisable to handover the shipment to the Freight forwarder nominated by the Logistic Agent contracted by IITD.</p> <p>Note: -Comparison of prices will be done ONLY on the bids submitted for the Main Equipment and anything asked as ‘Optional’ in the specs is not to be included for overall comparison.</p>
<ul style="list-style-type: none"> • 	<p>Evaluation of Price/Financial Bid:</p> <p>For the bids surviving the technical evaluation which have been found to be responsive the evaluation & comparison shall be made as under:</p> <ul style="list-style-type: none"> • <i>If the response to the tender consists only of Indigenous Offers</i> <ul style="list-style-type: none"> • The final landing cost of purchase after all discounts, freight, forwarding, insurance, taxes etc. shall be the basis of evaluation. • In the case of goods manufactured in India or goods of foreign origin already located in India, GST and excise duty (if applicable) and other similar taxes and duties, which will be contractually payable (to the tenderer) on the goods are to be added and will be considered in determination of evaluation criteria for L-1 in those cases where only Indian bidders are competing. • <i>If the response to the tender consists only of Imported Offers</i> <ul style="list-style-type: none"> • The FOB/FCA price shall be the basis of evaluation. Please make sure that your Price Bid mentions FOB/FCA prices clearly and not just CIF/CIP prices directly OTHERWISE for the purpose of comparison such CIF/CIP price will be taken into account. • In cases where all the offers are from foreign suppliers, ranking will be assessed on FOB/FCA basis. In the case of goods of foreign origin offered from abroad, customs duty and other similar import duties/taxes, which will be contractually payable (to the tenderer) on the goods, are to be added; • All the foreign quotes will be brought to a common denomination in Indian Rupees by adopting the Selling exchange rate of the RBI/State Bank of India on the date of the opening of Price/financial Bids. • <i>If the response to the tender consists of Imported as well as Indigenous Offers</i> <ul style="list-style-type: none"> • The comparison between the indigenous and the foreign offers shall be made on the final landing cost of purchase taking into account, freight, forwarding, insurance, taxes etc. as specified in clause 1(i) and (ii) and for bids in foreign currency as per clause 2 (i), (ii) & (iii) • Further, adding advalorem/custom duty/countervailing duty (as applicable) at the rate of 9.34% on price quoted on FOB/FCA term including cost for safe Unloading and all other costs for all activities as per scope of work basis. IIT Delhi will submit Custom Duty Exemption Certificate under clause no.51/96. • iGST @ 18% of shipment value & Custom Duty
<ul style="list-style-type: none"> • 	<p>Notices: For the purpose of all notices, the following shall be the address of the Purchaser and Supplier.</p> <p>Purchaser: Dr.M.K Sagar, IIT Hospital Indian Institute of Technology Hauz Khas, New Delhi - 110016.</p>

	<p>Supplier: (To be filled in by the supplier) (All suppliers should submit its supplies information as per Annexure-II).</p> <hr/>
<ul style="list-style-type: none"> • 	<p>Progress of Supply: Wherever applicable, supplier shall regularly intimate progress of supply, in writing, to the Purchaser as under:</p> <ul style="list-style-type: none"> • Quantity offered for inspection and date; • Quantity accepted/rejected by inspecting agency and date; • Quantity dispatched/delivered to consignees and date; • Quantity where incidental services have been satisfactorily completed with date; • Quantity where rectification/repair/replacement effected/completed on receipt of any communication from consignee/Purchaser with date; • Date of completion of entire Contract including incidental services, if any; and • Date of receipt of entire payments under the Contract (In case of stage-wise inspection, details required may also be specified).
<ul style="list-style-type: none"> • 	<p>Inspection and Tests: Inspection and tests prior to shipment of Goods and at final acceptance are as follows:</p> <ul style="list-style-type: none"> • After the goods are manufactured and assembled, inspection and testing of the goods shall be carried out at the supplier's plant by the supplier, prior to shipment to check whether the goods are in conformity with the technical specifications attached to the purchase order. Manufacturer's test certificate with data sheet shall be issued to this effect and submitted along with the delivery documents. The purchaser shall be present at the supplier's premises during such inspection and testing if need is felt. The location where the inspection is required to be conducted should be clearly indicated. The supplier shall inform the purchaser about the site preparation, if any, needed for installation of the goods at the purchaser's site at the time of submission of order acceptance. • The acceptance test will be conducted by the Purchaser, their consultant or other such person nominated by the Purchaser at its option after the equipment is installed at purchaser's site in the presence of supplier's representatives. The acceptance will involve trouble free operation and ascertaining conformity with the ordered specifications and quality. There shall not be any additional charges for carrying out acceptance test. No malfunction, partial or complete failure of any part of the equipment is expected to occur. The Supplier shall maintain necessary log in respect of the result of the test to establish to the entire satisfaction of the Purchaser, the successful completion of the test specified. • In the event of the ordered item failing to pass the acceptance test, a period not exceeding one weeks will be given to rectify the defects and clear the acceptance test, failing which the Purchaser reserve the right to get the equipment replaced by the Supplier at no extra cost to the Purchaser. • Successful conduct and conclusion of the acceptance test for the installed goods and equipment shall also be the responsibility and at the cost of the Supplier.
<ul style="list-style-type: none"> • 	<p>Resolution of Disputes: The dispute resolution mechanism to be applied pursuant shall be as follows:</p> <ul style="list-style-type: none"> • In case of Dispute or difference arising between the Purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the Director, Indian Institute of Technology (IIT) Delhi and if he is unable or unwilling to act, to the sole arbitration of some other person appointed by him willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order. • In the case of a dispute between the purchaser and a Foreign Supplier, the dispute shall be settled by arbitration in accordance with provision of sub-clause (a) above. But if this is not acceptable to the supplier then the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) Arbitration Rules.

	<ul style="list-style-type: none"> • The venue of the arbitration shall be the place from where the order is issued.
•	Applicable Law: The place of jurisdiction would be New Delhi (Delhi) INDIA.
•	<p>Right to Use Defective Goods If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, the Purchaser shall have the right to continue to operate or use such goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the Purchaser's operation.</p>
•	<p>Supplier Integrity The Supplier is responsible for and obliged to conduct all contracted activities in accordance with the Contract using state of the art methods and economic principles and exercising all means available to achieve the performance specified in the contract.</p>
•	<p>Training The Supplier is required to provide training to the designated Purchaser's technical and end user personnel to enable them to effectively operate the total equipment.</p>
•	<p>Installation & Demonstration The supplier is required to done the installation and demonstration of the equipment within one month of the arrival of materials at the IITD site of installation, otherwise the penalty clause will be the same as per the supply of materials. In case of any mishappening/damage to equipment and supplies during the carriage of supplies from the origin of equipment to the installation site, the supplier has to replace it with new equipment/supplies immediately at his own risk. Supplier will settle his claim with the insurance company as per his convenience. IITD will not be liable to any type of losses in any form.</p>
•	<p>Insurance: For delivery of goods at the purchaser's premises, the insurance shall be obtained by the supplier in an amount equal to 110% of the value of the goods from "warehouse to warehouse" (final destinations) on "All Risks" basis including War Risks and Strikes. The insurance shall be valid for a period of not less than 3 months after installation and commissioning. In case of orders placed on FOB/FCA/ExW basis, the purchaser shall arrange Insurance. If orders placed on CIF/CIP basis, the insurance should be up to IIT Delhi.</p>
•	<p>Incidental services: The incidental services also include:</p> <ul style="list-style-type: none"> • Furnishing of 01 set of detailed operations & maintenance manual. • Arranging the shifting/moving of the item to their location of final installation within IITD premises at the cost of Supplier through their Indian representatives.
•	<p>Warranty:</p> <ul style="list-style-type: none"> (i) Warranty period shall be 5 Years (as stated at page #2 of this tender) from date of installation of Goods at the IITD site of installation. The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the contract. If for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall at its discretion make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests. The warranty should be comprehensive on site. • The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall immediately within in 02 days arrange to repair or replace the defective goods or parts thereof free of cost at the ultimate destination. The Supplier shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the Purchaser for the replaced parts/goods thereafter. The period for correction of defects in the warranty period is 02 days. If the supplier having been notified fails to remedy the defects within 02 days, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expenses and without prejudice to any other rights, which the purchaser may have against the supplier under the contract. • The warranty period should be clearly mentioned. The maintenance charges (AMC) under different schemes after the expiry of the warranty should also be mentioned. The comprehensive warranty will commence from the date of the satisfactory

	<p>installation/commissioning of the equipment against the defect of any manufacturing, workmanship and poor quality of the components.</p> <ul style="list-style-type: none"> After the warranty period is over, Comprehensive Maintenance Contract (CMC) up to next 5 years should be started. The CMC charges included in computing the total cost of the equipment. The vendor should quote CMC charges year wise (after Warranty of 5 years), Yearly CMC charges will be paid.
•	<p>Governing Language The contract shall be written in English language. English language version of the Contract shall govern its interpretation. All correspondence and other documents pertaining to the Contract, which are exchanged by the parties, shall be written in the same language.</p>
•	<p>Applicable Law The Contract shall be interpreted in accordance with the laws of the Union of India and all disputes shall be subject to place of jurisdiction.</p>
•	<p>Notices</p> <ul style="list-style-type: none"> Any notice given by one party to the other pursuant to this contract/order shall be sent to the other party in writing or by cable, telex, FAX or e mail and confirmed in writing to the other party's address. A notice shall be effective when delivered or on the notice's effective date, whichever is later.
•	<p>Taxes Suppliers shall be entirely responsible for all taxes, duties, license fees, octroi, road permits, etc., incurred until delivery of the contracted Goods to the Purchaser. However, GST etc, in respect of the transaction between the Purchaser and the Supplier shall be payable extra, if so stipulated in the order.</p>
•	<p>Duties IIT Delhi is exempted from paying custom duty under notification No.51/96 (partially or full) and necessary "Custom Duty Exemption Certificate" can be issued after providing following information and Custom Duty Exemption Certificate will be issued to the shipment in the name of the Institute, (no certificate will be issued to third party): The procured product should be used for teaching, scientific and research work only. a) Shipping details i.e. Master Airway Bill No. and House Airway No. (if exists) b) Forwarder details i.e. Name, Contact No., etc.</p>
•	<p>Agency Commission: Agency commission if any will be paid to the Indian agent in Rupees on receipt of the equipment and after satisfactory installation. Agency Commission will not be paid in foreign currency under any circumstances. The details should be explicitly shown in Tender even in case of Nil commission. The tenderer should indicate the percentage of agency commission to be paid to the Indian agent.</p>
•	<p>Payment:</p> <ul style="list-style-type: none"> For imported items Payment will be made through irrevocable Letter of Credit (LC) Cash Against Documents (CAD)/Against delivery/after satisfactory installation by T.T. Letter of Credit (LC) will be established in favour of foreign Supplier after the submission of performance security. The letter of credit (LC) will be established on the exchange rates as applicable on the date of establishment. For Imports, LC will be opened for 100% FOB/CIF value. 80% of the LC amount shall be released on presentation of complete and clear shipping documents and 20% of the LC amount shall be released after the installation and demonstration of the equipment at the INST site of installation in faultless working condition for period of 60 days from the date of the satisfactory installation and subject to the production of unconditional performance bank guarantee as specified in Clause 8 of tender terms and conditions. For Indigenous supplies, 100% payment shall be made by the Purchaser against delivery, inspection, successful installation, commissioning and acceptance of the equipment at IITD in good condition and to the entire satisfaction of the Purchaser and on production of unconditional performance bank guarantee as specified in Clause 9 of tender terms and conditions.

	<ul style="list-style-type: none"> Indian Agency commission (IAC), if any shall be paid after satisfactory installation & commissioning of the goods at the destination at the exchange rate prevailing on the date of negotiation of LC documents, subject to DGS&D registration for restricted items. All the bank charges within India will be borne by the Institute and outside India will be borne by the Supplier.
	<ul style="list-style-type: none"> User list: Brochure detailing technical specifications and performance, list of industrial and educational establishments where the items enquired have been supplied must be provided. (Ref. Annexure-III)
	<ul style="list-style-type: none"> Manuals and Drawings <ul style="list-style-type: none"> Before the goods and equipment are taken over by the Purchaser, the Supplier shall supply operation and maintenance manuals. These shall be in such details as will enable the Purchaser to operate, maintain, adjust and repair all parts of the works as stated in the specifications. (ii) The Manuals shall be in the ruling language (English) in such form and numbers as stated in the contract. (iii) Unless and otherwise agreed, the goods equipment shall not be considered to be completed for the purposes of taking over until such manuals and drawing have been supplied to the Purchaser.
37.	Application Specialist: The Tenderer should mention in the Techno-Commercial bid the availability and names of Application Specialist and Service Engineers in the nearest regional office. (Ref. to Annexure-III)
38.	<p>Site Preparation: The supplier shall inform to the Institute about the site preparation, if any, needed for the installation of equipment, immediately after the receipt of the purchase order. The supplier must provide complete details regarding space and all the other infrastructural requirements needed for the equipment, which the Institute should arrange before the arrival of the equipment to ensure its timely installation and smooth operation thereafter.</p> <p>The supplier shall visit the Institute and see the site where the equipment is to be installed and may offer his advice and render assistance to the Institute in the preparation of the site and other pre-installation requirements.</p>
39.	<p>Spare Parts</p> <p>The Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:</p> <ul style="list-style-type: none"> Such spare parts as the Purchaser may elect to purchase from the Supplier, providing that this election shall not relieve the Supplier of any warranty obligations under the Contract; and In the event of termination of production of the spare parts: Advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and Following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings and specifications of the spare parts, if requested. <p>Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the Goods, such as gaskets, plugs, washers, belts etc. Other spare parts and components shall be supplied as promptly as possible but in any case within six months of placement of order.</p>
40.	<p>Defective Equipment: If any of the equipment supplied by the Tenderer is found to be substandard, refurbished, un-merchantable or not in accordance with the description/specification or otherwise faulty, the committee will have the right to reject the equipment or its part. The prices of such equipment shall be refunded by the Tenderer with 18% interest if such payments for such equipment have already been made. All damaged or unapproved goods shall be returned at suppliers cost and risk and the incidental expenses incurred thereon shall be recovered from the supplier. Defective part in equipment, if found before installation and/or during warranty period, shall be replaced within 45 days on receipt of the intimation from this office at the cost and risk of supplier including all other charges. In case supplier fails to replace above item as per above terms & conditions, IIT Delhi may consider "Banning" the supplier.</p>
41.	Termination for Default

	<p>The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part:</p> <ul style="list-style-type: none"> i. If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the order, or within any extension thereof granted by the Purchaser; or ii If the Supplier fails to perform any other obligation(s) under the Contract. iii If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract. <ul style="list-style-type: none"> • For the purpose of this Clause: <ul style="list-style-type: none"> • “Corrupt practice” means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution. • “Fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition;” • In the event the Purchaser terminates the Contract in whole or in part, the Purchaser may procure, upon such terms and in such manner, as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue the performance of the Contract to the extent not terminated.
42.	Shifting: After 1-2 years once our new Academic Block will be ready, the supplier has to shift and reinstall the instrument free of cost (if required).
43.	Downtime: During the warranty period not more than 5% downtime will be permissible. For every day exceeding permissible downtime, penalty of 1/365 of the 5% FOB value will be imposed. Downtime will be counted from the date and time of the filing of complaint with in the business hours.
44.	Training of Personnel: The supplier shall be required to undertake to provide the technical training to the personnel involved in the use of the equipment at the Institute premises, immediately after completing the installation of the equipment for a minimum period of one week at the supplier’s cost.
45.	Disputes and Jurisdiction: Any legal disputes arising out of any breach of contract pertaining to this tender shall be settled in the court of competent jurisdiction located within New Delhi.
46.	Compliance certificate: This certificate must be provided indicating conformity to the technical specifications. (Annexure-I)
47.	<p>As per Ministry of Finance, Deptt. of Expenditure, Public Procurement Division Order (Public Procurement No.1) issued from file No.6/18/2019-PPD dated 23rd July, 2020 regarding Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs) 2017, it is directed that any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with the Competent Authority i.e. the Deptt. for Promotion of Industry and Internal Trade (DPIIT). <i>The said order will not apply to bidders from those countries (even sharing a land border with India) to which the Government of India has extended lines of credit or in which the Government of India is engaged in development projects (updated lists of the countries are given in the Ministry of External Affairs)</i></p> <p>“Bidder” (including the term ‘tenderer’, ‘consultant’ or ‘service provider’ in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participated in a procurement process.</p> <p>“Bidders from a country which shares a land border with India” for the purpose of this Order means:</p> <ul style="list-style-type: none"> • An entity incorporated, established or registered in such a country; or

- A subsidiary of an entity incorporated, established or registered in such a country; or
- An entity substantially controlled through entities incorporated, established or registered in such a country; or
- An entity whose *beneficial owner* is situated in such a country; or
- An Indian (or other) agent of such an entity; or
- A natural person who is the citizen of such a country; or
- A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

The *beneficial owner* for the purpose of above will be as under: -

- In case of a company or Limited Liability Partnership, the beneficial owner is the natural person (s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercise control through other means.

Explanation-

- “Controlling ownership interest” means ownership of or entitlement to more than twenty-five per cent of share or capital or profit of the company;
- “Control” shall include the right to appoint majority of the directors or to control the management of policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;
- In case of a partnership firm, the beneficial owner is the natural person (s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;
- In case of an unincorporated association or body of individuals, the beneficial owner is the natural person (s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;
- Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
- In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

An agent is a person employed to do any act for another, or to represent another in dealings with the third person.

For Works contracts, including Turnkey contracts, the successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

A certificate shall be submitted by bidders in the tender documents regarding their compliance with the said order. If the certificate submitted by a bidder whose bid is accepted is found to be false, this would be a ground for immediate termination and further legal action in accordance with law. Annexure VI (For Goods/ Services contracts)/ Annexure VII (For Works contracts, including Turnkey contracts)

(ANNEXURE-I)

COMPLIANCE SHEET

TECHNICAL SPECIFICATION

Tender are invited from reputed manufacturers and their authorized vendors for the supply, installation & integration of S/I/T/C 1000 mA X-Ray integrated system with Two digital flat panel detectors, Installation on Turnkey basis, site preparation according to safety norms with the following or better technical specifications.

If any of the technical specifications offered are better than those listed, clear comparison should be provided in the compliance statement with a separate “Remarks” highlighting how the specification is better than that listed.

Sl. No.	Technical Specifications	COMPLIANCE Y/N
1.	The Units should be completely integrated system (integrated X-ray generator and image acquisition control console). Out of Generator/Tube/Detector, at least two (if not three) must be manufactured by the quoting vendor themselves.	
2.	Generator	
2a.	1000 mA unit with microprocessor controlled with 100Khz high frequency X-ray generator with power output of 80 KW or more .	
2b.	KV/MA output specification :800mA at 100 kv	
2c.	The exposure range should be 40-150KV	
2d.	The minimum exposure time should be 2 msec or less.	
2e.	Automatic exposure control function is an essential requirement.	
3	X-Ray Tube	
3a.	Should be ceiling suspended	
3b.	Tube should have at least 2 focal spot	
3c.	Small focal spot should be 0.6 or less and large focal spot should be 1.2 or less	
3d.	Tube loading should be at least 30 KW for small and at least 80 KW for large focus.	
3e.	Should have motorized movement of ceiling suspended tube.	
3f.	Should have electromagnetic locks with collision protection sensor/mechanism	
3g.	Field size programming should be possible.	
3h.	Anode heat storage capacity should be 300 KHU or more.	
3i.	X-ray tube and collimator section should have automated image shuttering and cropping facility in collimator.	
3j.	All the movements of the overhead tube suspension (3D column stand) and the chest stand (vertical detector) should be fully motorized. It should be possible to override it manually.	
3k.	There should be auto positioning of the overhead tube suspension against both the vertical detector and the table detector. This should be possible through selected protocol from both the console as well as from wall stand control.	
3l.	Tube tracking should be there in all axes .Tube-detector alignment on table and vertical bucky to be provided as standard.	
3m.	Tube Rotation: Vertical Axis: +/-135 degrees, Horizontal axis: +125/- 125 degrees or better. Please specify rotation of your offered model.	
3n.	Should have motorized copper filter to avoid unwanted radiation	
3o.	Overhead tube suspension (3D column stand) should also have a 12 inch touch screen with display of important parameters , controls and change technique . It should work as secondary console .	

4.	Horizontal Bucky Table	
4a.	Motor driven, adjustable height floating table top of carbon fibre or equivalent material.	
4b.	Compact bucky table with integrated built-in digital flat panel detector.	
4c.	Foot switches / Kick switch for adjusting height, longitudinal/side to side movements, locking.	
4d.	Detector movement should be synchronized with movement of the X-Ray tube.	
4e.	Tube movement should be synchronized with the table so that the SID is maintained automatically	
4f.	Removable grid for SID of 100cms for horizontal table applications	
4g.	Automatic exposure control should be available	
5.	Vertical Bucky (Wall stand)	
5a.	Motorized, counter balanced adjustable height vertical Bucky with integrated built-in digital flat panel detector.	
5b.	Should be possible to tilt the Vertical detector system (-15° to + 90°)	
5c.	Should be able to travel vertically from 15 inches to 60 inches above floor level	
5d.	Detector movement should be synchronized with movement of the X-Ray tube in all planes.	
5e.	Removable grid for SID of 180 cms for vertical bucky applications	
5f.	Automatic exposure control should be available	
6.	Detector System specification	
6a.	Detector material should be made of amorphous silicon with CSi scintillator	
6b.	Two Digital flat panel detector systems with detector integrated into the wall stand and integrated for Bucky table. (total of 2 separate fixed detectors).	
6c.	Minimum size of detectors should be 41cms X 41 cms or more for integrated detectors.	
6d.	Image matrix size 2k x 2k pixels or more.	
6e.	Pixels size should be 200µm or less	
6f.	Image resolution should be 2.5 lps/mm or more	
6g.	DQE of detector system should be 65% or more at 0.05 lps/mm	
6h.	Tube assembly movement to be automatically synchronized/tracking with both the horizontal and vertical detectors movement	
6i.	Image processing time should not be more than 10 sec.	
7.	Operating (acquisition) Station	
7a.	Should have high resolution TFT/LCD monitors of minimum 23" size or more (fully flat) with minimum 1024x1024 or more display matrix and antireflective front screen. 16 GB RAM and 1 TB HDD storage.	
7b.	Image acquisition matrix should be minimum of 2k x 2K	
7c.	System should have auto protocol select	
7d.	Operating console should have facility for patient identity entry, viewing and processing images, documentation.	
7e.	Preview image should be ready in 5 sec or less.	

7f.	<p>Dose monitoring and reporting based on DRL (Dose reference level) using DAP meter readings and EI should be possible. It should be possible to generate structured reports on dose performance which can be shared with PACS and other DICOM systems. The dose monitoring tools should provide Statistical Analysis of Exposure and Dose performance on following parameters:</p> <ul style="list-style-type: none"> · Exposure Index and Deviation Index · Dose Area Product (DAP) values · Complete Exposure List · Results can be Exported · Dose Trend <p>It should be possible to record reasons for over/under exposure per exposure if the Dose reference level indicates deviation from recommended dose level. It should be also possible to generate a report based on the reasons for over/under shoot.</p>	
8.	Image Viewing, Post –Processing and reporting Station and Documentation	
8a.	<p>An Independent workstation with all post processing and printing facility should be quoted with storage capability of 10,000 or more images with ability to review and report X Rays independent of main console:</p> <ul style="list-style-type: none"> • High speed intel xeon processor based CPU (3.0 GHz or higher processing speed) with post processing capability • 16 GB RAM or more • Should have its independent memory and hard disk of atleast 1 TB <p>Should have a high resolution medical grade LCD colour monitor of size 19” or more</p>	
8b.	Should have independent monitor of high resolution TFT/LCD monitor of 19” or more.	
8c.	Image display matrix should be of high resolution, minimum of 1.5 K x 1.5 K	
8d.	Post acquisition image processing, viewing, reprocessing, hard copy documentation and onward transmission should be possible.	
8e.	Image processing functions like rotate, mirroring, zoom, move, and windowing filter should be possible.	
8f.	There should be facility for measurements.	
8g.	Should be connected to a Dry chemistry Camera of 500 DPI or more for documentation. The camera should accept all size films upto 14”x17” size (three film size trays should be active).	
8h.	Multiformat printing should be possible with user selectable options.	
8i.	It should be possible to create alphabetical, date wise and exam based, work list	
8j.	Work list should be auto refreshing	
9.	Image Storage and Transmission	
9a.	Acquisition system should have hard disc storage capacity should be of 4000 or more images and Additional post processing Workstation should have storage capacity of 10,000 images or more	
9b.	The systems should support storage of images on compact discs and DVD	
9c.	The system should be DICOM 3.0 (or higher version) ready (like send, receive, print, record on CD/DVD, acknowledge etc.) for connectivity to any network, computer/PC etc. in DICOM format.	
9d.	Integration and networking should be possible with any other existing/future networking including other modalities, HIS and RIS and PACS. Vendor will connect it to existing RIS PACS network without extra cost for existing and future networking.	
10.	Accessories	

10a.	Dry chemistry Camera of 500 DPI or more	
10b.	UPS (of 3 KVA) for the computer with 30 minutes backup	
10c.	Lead glass of size 100x 150 cm or more for console room.	
10d.	Vendor to install wireless mike system for calling patients who are waiting outside	
10e.	Four light weight 'zero lead' aprons of 0.5 mm lead equivalence with integrated (attached) thyroid shield collar	
10f.	A 120 KV or better stabilizer for the DR system	
11.	Upgrading requirement:	
11a.	A free comprehensive software update/upgrade (compatible with the offered platform) guarantee for 10 years after installation.	
12.	Furniture	
12a.	Cupboard for storage – one	
12b.	Swivel chairs with arm rest –Four	
12c.	Console Table with storage space– one	
12d.	Gonadal shields for boys and girls of all age groups – one set each	
12e.	Stand for lead aprons and Gonadal shields	
12f.	Wall fans – two	
13.	Warranty/After Sale Service	
13a.	Five year comprehensive onsite warranty of entire system (Spares and labour) including X-ray tube and all accessories and civil, electrical and air conditioning works. Vendor will maintain the room during entire duration of Warranty and will paint it on alternate years.	
13b.	95% uptime guarantee should be given. In case down time exceeds 5%, penalty in the form of extended warranty, double the number of days for which the equipment goes out of service, will be applied.	
13c.	Warranty will start after installation of the instrument.	
14.	Installation and Turnkey	
14a.	All site approval, layout approval and registration of equipment from AERB shall be done by IIT Hospital under the supervision and assistance of the supplier.	
14b.	All turnkey work proposed by the selected firm will require approval of competent authorities including engineering section of the institute, before implementation.	
14c.	A complete site preparation plan will be required to be submitted as a turnkey project. The vendor will be eligible to inspect the proposed site.	
14d.	The cost of alteration and preparation in a specified built in area on turn key basis which will include civil, electrical and air conditioning and maintenance of air conditioning is to be borne by the firm. Requirement of power and air conditioning must be clearly specified. The room should be adequately air-conditioned and that should be discussed with engineering department of the IIT Delhi.	
14e.	Civil: Vendor should give total cost as well per sq m (unit cost) cost of turn key.	
14f.	Demolition of brick work and reconstruction of same as per site requirement. Tiling Work-Flooring-600x600mm Matt finish branded ceramic tiles, wall-100mm	

	skirting, rest POP with plastic emulsion paint on complete walls.	
14g.	Ceiling work – Metal powder coated false ceiling to be considered.	
14h.	Doors – the doors associated with the examination room to be lead lined laminated. wooden doors with hard wood frames, rest all other door would be laminated wooden Damage to the wall due to stretchers. Brick wall partition between radiography room and console with lead glass.	
14i.	Electrical: All general lighting in the area will be carried out by LED light by using copper wiring and PVC conduits. The lights will be of Philips, Syska or equivalent. The switches will be of Crabtree, Havells or equivalent. Earthing for DR system UPS etc to be provided by vendor.	
14j.	A state of the art fire fighting system with alarm and smoke detectors to be installed and connected to nearest fire panel of hospital. Fire extinguishers 3 nos. 2kg ABC type to be provided.	
14k.	Lead lining of the walls and doors, as required.	
14l.	Changing area with lead lined walls / partition. This needs to be clarified and approved by HOD.	
15.	Essential Certification	
15a.	Radiation safety certificate – offered model must have a valid AERB, the copy of E-LORA Listing should be submitted along with bid.	
15b.	NOC / Type approved certificate at the time of submission of tender.	
15c.	Quality certificate: Entire unit along with console software and detectors /generator must be USA FDA or European CE approved.	
15d.	OEM Certificate required.	
15e.	Regular QA according to AERB norms will be responsibility of bidder during warranty period	
16.	List of Optional Items	
16a.	5 years Comprehensive Maintenance Contract (CMC) for entire system after essential warranty.	
16b.	Software which can have Bone suppression to remove bone structures from adult erect chest images for an unobstructed view of soft tissue.	
16c.	Artificial intelligence driven software for image processing.	
16d.	Automatic acquisition and Automatic stitching should be available in vertical stand as well as on the table (supine). The stitching should be automated and angular. Stitching should be possible on main system. There should be in built measurement scale.	
16e.	Artificial intelligence based auto positioning. Live camera should be in built.	
16e.	Dual energy Software and equivalent advance software	
16f.	Any other advanced image processing softwares	
17.	Important instructions to supplier	
17a.	Please submit copy of supply order of offered model, if sold anywhere else in India or abroad.	
17b.	In the price bid, please give breakdown of cost of each items, third party / local items separately for easy comparison.	
17c.	All the information in the tender document must be supported by product data sheets (original copy). All information asked must be provided under heading given above. Incomplete and haphazard information will not be accepted.	
17d.	Please provide names and addresses of other installations in India & abroad, if any.	
17e.	The supplier must ensure the availability of expert service and maintenance.	

	Uninterrupted availability of spare parts and repair of next ten years must be assured.	
18.	Additional Terms & Conditions	
18a.	Evaluation of L1 Bidder will be determined with cost of machine plus CMC cost.	
18b.	3 rd Party Inspection (Cost of Inspection to be borne by Vendor).	
18c.	Pre-Bid Inspection of the site of installation by Vendor.	
18d.	Pre-Bid Meeting.	
18e.	<p>Training</p> <p>The manufacturer/supplier should provide at least five days onsite training initially during installation</p> <p>The supplier or manufacturer should also provide dedicated five days advanced training subsequent to the above training installation.</p> <p>Regular follow up training every six months during the period of warranty on mutually convenient dates for hardware, software and application to the personnel in the installation, operation and maintenance of the instruments.</p>	
19.	<p>Support and Service</p> <p>The manufacturer must have at least two qualified and factory trained service engineer in India to be able to attend to service at IIT Delhi within 48 hours on submitting a complaint. Training certificates from the manufacturer have to be provided with the tender.</p> <p>For warranty period, only factory trained and certified engineers are acceptable to attend the service (Please submit detail in Annexure-III).</p> <p>The response time with an engineer on site must be less than 48 hours from the notification of the failure. The company must provide evidence that it can fulfil this requirement.</p> <p>In case the parts are required to be imported for repairs, the same should be made available within 2 weeks from the date of reporting of the issue. Any extension in this time will need to be compensated by the manufacturer by extending the comprehensive warranty by the excess period taken (i.e. period beyond 2 weeks) in completing the repairs.</p>	

I have also enclosed all relevant documents in support of my claims, (as above) in the following pages.

Signature of Bidder

Name: _____

Designation: _____

Organization Name: _____

Contact No. : _____

(ANNEXURE-II)

<< Organization Letter Head >>
DECLARATION SHEET

We, _____ hereby certify that all the information and data furnished by our organization with regard to this tender specification are true and complete to the best of our knowledge. I have gone through the specification, conditions and stipulations in details and agree to comply with the requirements and intent of specification.

This is certified that our organization has been authorized (Copy attached) by the OEM to participate in Tender. We further certified that our organization meets all the conditions of eligibility criteria laid down in this tender document. Moreover, OEM has agreed to support on regular basis with technology / product updates and extend support for the warranty.

The prices quoted in the financial bids are subsidized due to academic discount given to IIT Delhi.

We, further specifically certify that our organization has not been Black Listed/De Listed or put to any Holiday by any Institutional Agency/ Govt. Department/ Public Sector Undertaking in the last three years.	NAME & ADDRESS OF THE Vendor/ Manufacturer / Agent
1 Phone	
2 Fax	
3 E-mail	
4 Contact Person Name	
5 Mobile Number	
6 GST Number	
7 PAN Number	
(In case of on-line payment of Tender Fees) 8 UTR No. (For Tender Fee)	
(In case of on-line payment of EMD) 9 UTR No. (For EMD)	
10 Kindly provide bank details of the bidder in the following format: a) Name of the Bank	
b) Account Number	
c) Kindly attach scanned copy of one Cheque book page to enable us to return the EMD to unsuccessful bidder	

(Signature of the Tenderer)

Name:

Seal of the Company

(ANNEXURE-III)

List of Govt. Organization/Deptt.

List of Government Organizations for whom the Bidder has undertaken such work during last three years (must be supported with work orders)

Name of the organization	Name of Contact Person	Contact No.

Name of application specialist / Service Engineer who have the technical competency to handle and support the quoted product during the warranty period.

Name of the organization	Name of Contact Person	Contact No.

Signature of Bidder

Name: _____

Designation: _____

Organization Name: _____

Contact No. : _____

PREVIOUS SUPPLY ORDER DETAILS

(ANNEXURE – IV)

Name of the Firm _____

Order placed by (Full address of Purchaser)	Order No. and Date	Description and quantity of order equipment	Value of order	Date of Completion of delivery as per contract	Has the equipment been installed satisfactorily (Attach a Certificate from the Purchaser/Consignee)	Contact person along with Telephone No., Fax No. and email address)

Signature and Seal of the Manufacturer/ Bidder

Place: _____

Date: _____

(ANNEXURE-V)

ORIGINAL EQUIPMENT MANUFACTURER (OEM)
Manufacturing authorisation form (MAF)

Tender No. :-

Date:-

.....

To

The Director,
Indian Institute of Technology Delhi,
New Delhi- 110016

Dear Sir,

We manufacture of original equipment at (.....address of factory.....) do hereby authorize M/s (Name and address of Agent) to submit a bid, negotiate and receive the order format against your tender enquiry.

M/s. is authorized to bid and conclude the contract in regard to this business.

We hereby extend our full guarantee and warranty as per clause of the terms and conditions NIQ for the goods and services offered by the above firm.

Yours Faithfully,

(Name)

(Name & Seal of Manufactures)

Note: -

- **Items of indigenous nature or quoted in INR**, more than 1 authorized representative may participate in the same tender and submit their bids on behalf of their OEM/Principal/Manufacturer if the OEM permits more than one authorized bidder in such case as per their policy.
- **In cases of agents quoting in offshore procurements**, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. **One manufacturer can also authorize only one agent/dealer**
- The letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having the power of attorney to bind the manufacturer. The same should be included by the bidder in its techno-commercial unpriced bid.

(For Goods/ Services Contracts)

No. _____

Dated: _____

CERTIFICATE

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and hereby certify that this bidder is not from such a country.

OR (whichever is applicable)

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and hereby certify that this bidder is from _____ (*Name of Country*) and has been registered with the Competent Authority. I also certify that this bidder fulfills all the requirements in this regard and is eligible to be considered.

(Copy/ evidence of valid registration by the Competent Authority is to be attached)

Signature of Bidder/ Agent

Name: _____

Designation: _____

Organization Name: _____

Contact No. : _____

No. _____

Dated: _____

CERTIFICATE

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries and hereby certify that this bidder is not from such a country and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority.

OR (whichever is applicable)

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries and hereby certify that this bidder is from _____ (*Name of Country*) and has been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I also certify that this bidder fulfills all the requirements in this regard and is eligible to be considered.

(Copy/ evidence of valid registration by the Competent Authority is to be attached)

Signature of Bidder/ Agent

Name: _____

Designation: _____

Organization Name: _____

Contact No. : _____

BID SECURITY UNDERTAKING

(To be issued by the bidder on company's letterhead in lieu of EMD)

To,

The Registrar,
I.I.T. Delhi, Hauz Khas,
Delhi – 110016.

We, M/s _____ (Name of the Firm), with
ref. to Tender No. _____ dated _____ hereby undertake that:

- We accept all terms and conditions of the tender document.
- We accept that, we will not modify our bid during the bid validity period and will honour the contract after the award of contract.
- In the event of any modification to our bid by us or failure on our part to honour the contract after final award, our firm may be debarred from participation in any tender/ contract notified by IIT Delhi for a period of one year.

Yours faithfully,

(signature)

Name:

Date:

Office Seal:

BID SUBMISSION

Online Bid Submission:

The Online bids (complete in all respect) must be uploaded online in **two** Envelops as explained below:

Envelope – 1 (Following documents to be provided as single PDF file)			
Sl. No.	Document	Content	File Types
1.	Technical Bid	Compliance Sheet (Annexure - I)	.PDF
2.		Organization Declaration (Annexure - II)	.PDF
3.		List of organizations/ clients where the same products have been supplied (in last two years) along with their contact number(s). (Annexure-III)	.PDF
4.		Technical supporting documents in support of all claims made at Annexure-I	.PDF
5.		Previous Supply Order (Annexure - IV)	.PDF
6.		Original Equipment Manufacturing Manufacturing Authorization Form (MAF) (Annexure - V)	.PDF
7.		<i>(For Goods/ Services Contracts)</i> Certificate - Bidder Not from/ from Country sharing Land border with India & Registration of Bidder with Competent Authority (Annexure-VI)	.PDF
8.		<i>(For Works Contracts, including Turnkey Contracts)</i> Certificate – Bidder Not from/ from Country sharing Land border with India, Registration of Bidder with Competent Authority & not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority (Annexure-VII)	.PDF
9.		Bid Security Undertaking in lieu of EMD (Annexure-VIII)	.PDF
Envelope – 2			
Sl. No.	Document	Content	File Types
1.	Financial Bid	Price bid should be submitted in given BOQ_XXXX.xls format. <i>(Note: -Comparison of prices will be done ONLY on the bids submitted for the Main Equipment and anything asked as ‘Optional’ in the specs is not to be included for overall comparison.)</i> Bids for optional items are to be submitted in ‘sheet2_Quote for optional items’	.XLS