

**GOVERNMENT OF INDIA  
DEPARTMENT OF SPACE  
VIKRAM SARABHAI SPACE CENTRE (VSSC)  
THIRUVANANTHAPURAM**

**Tender for SUPPLY, INSTALLATION, COMMISSIONING OF  
RADIOGRAPHIC FILM DIGITISER SYSTEM WITH WORKSTATION AND  
SOFTWARE**

**Bids to be submitted online**

**Tender No.: VSSC/PURCHASE UNIT III (SPRE)/VS202100094201 dated 05-04-2021**

## A. Tender Details

Tender No :	<b>VSSC/PURCHASE UNIT III (SPRE)/VS202100094201</b>
Tender Date :	<b>05-04-2021</b>
Tender Classification:	<b>GOODS</b>
Purchase Entity :	<b>PURCHASE UNIT III (SPRE)</b>
Centre :	<b>VIKRAM SARABHAI SPACE CENTRE (VSSC)</b>

### **Procurement of SUPPLY, INSTALLATION, COMMISSIONING OF RADIOGRAPHIC FILM DIGITISER SYSTEM WITH WORKSTATION AND SOFTWARE**

- This is a two-part bid. Price details shall NOT be mentioned in technical Bid/attachments, failing which the offer will be considered as invalid.
- Foreign vendors are not permitted to quote.
- Only Class-I and Class-II Local suppliers as per Make in India Policy are eligible to participate in the bid.
- a. The percentage of local content should be specifically mentioned in the offer, without which it will be summarily rejected.
- b. Preference will be given to Class-I Local Supplier and in their absence, Class-II Local Supplier will be considered.
- Last minute clarification on tenders will not be entertained.
- This is an E Tender. Hence Postal/Fax/Email tenders will not be accepted.
- Acceptance of Guarantee / Warranty, PBG, SD, LD & AMC are mandatory. Quotations not accepting these conditions will not be considered.( AMC charges will be considered/loaded for cost comparative purpose for arriving the L1 price. )

#### **A.1 Tender Schedule**

Bid Submission Start Date :	<b>07-04-2021 11:40</b>
Bid Clarification Due Date :	<b>16-04-2021 10:00</b>
Bid Submission Due Date :	<b>05-05-2021 10:00</b>

Bid Opening Date : **05-05-2021 10:01**

Price Bid Opening Date : **06-05-2021 10:00**

## **B. Tender Attachments**

NA

### **Instructions To Vendors**

#### **1. Specific Terms and Conditions to Tender (detailed)**

1. The other attached forms are our standard terms and conditions, which are to be complied with. If any conflict arise between the specific terms and standard terms, then in those cases, the specific terms will prevail over the standard terms.
2. Where agents participate in a tender;
  - (a) 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.
  - (b) 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.
3. Wherever samples are required to be submitted along with the quotation, offer without sample will not be considered.
4. If any bidder submits forged / false document along with the tender, offer of such vendors will be summarily rejected and such bidders will be blacklisted for all future tenders.
5. In order to avail of the benefits extended to by Govt. of India to the Micro and Small Sectors, please submit attested copy of the valid Entrepreneur Memorandum Part-II signed by the General Manager, District Industries Centre / Udyog Adhar / NSIC Registration Certification along with your offer.
6. Note: SD, LD and PBG clauses are mandatory and offers of the vendors who have not agreed for the above conditions will be excluded from the procurement process. Micro and Small Vendors are not exempted from the submission of Security Deposit. Only Govt Departments/PSUs/PSEs can submit Indemnity Bond instead of Bank Gurantee towards SD/PBG.
7. Security Deposit: Wherever the offer value is Rs. 5.00 Lakhs or above, the successful tenderer should submit Security Deposit @ 3% of the order value by way of Bank Guarantee / FD Receipt. The Bank Guarantee shall be obtained from any Scheduled Bank on Rs.200/- Non Judicial Stamp Paper and should be valid beyond 2 months from the completion of all contractual obligations. If the Contractor is called upon by the Purchaser to deposit, Security and the Contractor fails to provide the security within the period specified, such failure shall constitute a breach of the Contract, and the Purchaser shall be entitled to make other arrangements for the re-purchase of the stores Contracted at

the risk of the Contractor. In case if Security Deposit is submitted and the contractor fails to execute the order, then the security deposit will be forfeited.

8. Performance Bank Guarantee: Wherever products offered carry warranty, the warranty should be for one year or as per manufacturers standard warranty term. Against such cases, please confirm submission of Performance Bank Guarantee. The Performance Bank Guarantee should be for 3% of the order value covering the warranty period obtained from any Scheduled Bank on Rs.200/- Non Judicial Stamp Paper and should be valid beyond 2 months from the completion of the warranty period. Alternately vendors can request for withholding 3% payment till completion of the warranty period.

9. Liquidated Damages: The delivery period quoted should be realistic. The delivery period so quoted and mentioned in the order is the essence of the order/contract. In case of delay in delivery of material as per the delivery schedule, Liquidated Damage @ 0.5% per week or part thereof on the undelivered portion subject to a maximum of 10% of the contract value shall be levied. Wherever, installation and commissioning is also involved, the supply will be deemed to have been completed only when the entire Stores is supplied, installed and accepted.

10. Our standard payment term is 100% within 30 days for indigenous orders and Sight Draft for foreign orders.

11. In case of Foreign/Import Tenders:

- a.The bidder shall clearly mention the full ordering address in capital letters.
- b.The bidder shall clearly mention their bankers address including their SWIFT code compulsorily.
- c.Any change of address shall be compulsorily supported by Documentary proof issued either by Governmental agencies or by Chamber of Commerce.

d.Foreign

Principal & Proforma Invoice/quote indicating the Agency Commission payable to the Indian Agent and the nature of after sales service to be rendered by the Indian Agent.

e.Copy of the Agency Agreement between the Foreign Principal and the Indian Agent, and the precise relationship between them their mutual interest in the business.

f.Registration and Item empanelment of the Indian Agent.

12. Likewise, while executing the Purchase Order/Contract; the Indian Trader shall mandatorily submit the following:

- a.High Sea Sale Agreement.
- b.Invoice pertaining to the Indian Trader in INR and the invoice of the foreign vendor in foreign currency.

13. In case if any Bidder is submitting their Offer on HIGH SEA SALES BASIS: then the Indian Trader

shall submit the following documents mandatorily along with their offer.

- a.The Import Export Code of the Indian Trader
- b.Bank Authorization Code of the Indian Trader
- c.GSTIN of the Indian Trader

14. As per Notification No. 5/2018-CUSTOMS DTD. 25/01/2018, we are eligible for concessional payment of customs duty and IGST. Hence CD & IGST element shall be specified separately in the quotation. Necessary exemption certificate shall be issued upon request.

15. Our standard delivery term is FOR, VSSC. In case any vendor offers delivery term of Ex-works, Packing and Forwarding charges if any should be indicated separately either as a percentage of the quoted rate or as a Lumpsum amount.

16. Please quote applicable GST separately.

(a)We are eligible for partial exemption of IGST vide Notification No: 47/2017-Integrated Tax (Rate) dtd 14/11/2017 and 45/2017-Central Tax (Rate) dtd 14/11/2017 issued by Dept. of Revenue, Ministry of Finance. Necessary Exemption Certificates will be issued on demand.

(b)We are eligible for partial exemption of CGST and SGST vide Notification No: 45/2017 dtd 14/11/2017 and No: 169/2017/TAXES dtd 15/11/2017 respectively. Necessary Exemption Certificates will be issued on demand.

17. The offer should be valid for a period of minimum 90 days from the date of opening of Tender.

18. Please upload the Technical Details / Catalogue / Data Sheets (wherever applicable)

## **2. Conditions for BIDDER FROM A COUNTRY WHICH SHARES LAND BORDER WITH INDIA**

1. Any bidder from a country which shares a land border with India will be eligible to bid in this tender, only if the bidder is registered with the Competent Authority.

Competent Authority for the purpose of registration shall be the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT).

2.

Validity of Registration: Registration should be valid at the time of submission of bids and should be valid at the time of placement of order.

3. Any false declaration and non-compliance of the above would be a ground for immediate rejection of offer or termination of the contract and further legal action in accordance with the laws.

### **3. INSTRUCTIONS TO TENDERERS AND TERMS & CONDITIONS OF TENDER where the indent value is < `2.00 lakhs for imported stores items**

#### **1. I. INSTRUCTIONS TO TENDERERS**

1.The Tenderers should submit quotations in duplicate in a sealed envelope, super scribing the Tender No. and due date of opening and complete in all respects with technical specifications, including pamphlets and catalogues.<br><br>

2.A Proforma Invoice may also be given which should contain the following information: <br>

a)The FOB/FCA value, the C & F value for import by Sea freight / Air freight up to and for air parcel post up to ..... should be separately indicated. <br>

b)Agency Commission: The amount of commission included in the price and payable to the Indian Agent of the Contractor shall be paid directly to the Indian Agent by the Purchaser in equivalent Indian Rupees on the basis of an Invoice from him applying T.T. buying rate of exchange ruling on the date of placement of the Purchase Order and which shall not be subject to any further exchange variations. This payment will be released to the Indian Agent immediately after Customs clearance of the goods in India. <br>

c)The Contractor shall invoice only for the net amount payable to him, after deducting the amount of Agency Commission included in the invoice which will be paid to the Indian Agent directly by the Purchaser. However, the Contractor's invoice should separately reflect the amount of commission payable to his Indian Agent. <br>

d)The earliest delivery period and country of origin of the Stores. <br>

e)Banker's name, address, telephone/fax Nos. & e-Mail ID of the Contractor. <br>

f)The approximate net and gross weight and dimensions of packages /cases. <br>

g)Recommended spares for satisfactory operation for a minimum period of one year. <br>

h) Details of any technical service, if required for erection, assembly, commissioning and demonstration. <br><br>

3.The FOB/FCA and C & F prices quoted should be inclusive of all taxes, levies, duties arising in the tenderer's country. <br><br>

4.The offer should be valid for a minimum period of 120 days from the due date of opening of the tender. <br><br>

5.Samples, if called for, should be sent free of all charges. <br><br>

6.Late and delayed tenders will not be considered. Quotations by cable must be followed by detailed offers. <br><br>

7.Offer made by Indian Agents on behalf of their Principals, should be supported by the proforma invoice of their Principals. <br><br>

8.The details of Import Licence will be furnished in the Purchase Order. <br><br>

9.The authority of person signing the tender, if called for, shall be produced. <br><br>

10.Instructions / Operation Manual containing all assembly details including wiring diagrams should be sent wherever necessary in duplicate. All documents / correspondence should be in English language only. <br><br>

11.The Purchaser reserves the right to accept or reject the lowest or any offer in whole or part without assigning any reason. <br><br>

12.It is expressly agreed that the acceptance of the Stores Contracted for is subject to final approval in writing by the Purchaser. <br><br>

13.a) Part shipment is not allowed unless specifically agreed to by us. <br><br>

b) As far as possible stores should be despatched by Indian Flag Vessels /Air India through any Agency nominated by us. <br><br>



## C. Bid Templates

### C.1 Technical Bid - SUPPLY, INSTALLATION, COMMISSIONING OF RADIOGRAPHIC FILM DIGITISER SYSTEM WITH WORKSTATION AND SOFTWARE

#### 1. NDT Imaging System-SUPPLY, INSTALLATION, COMMISSIONING OF RADIOGRAPHIC FILM DIGITISER SYSTEM WITH WORKSTATION AND SOFTWARE

##### Item specifications for NDT Imaging System

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	1. High density Film Digitizer of following Specification	1 No.	Yes / No / Explain		
2	a. Scanning Light Source He-Ne Laser (wavelength: 633nm)		-		
3	b. Laser source class : Class II-b and device: class- I		-		
4	c. Sensor : Photomultiplier		-		
5	d. Film width to be scanned : around 14"/35 cms (max.) and 60 mm (min.) - small/cut films		-		
6	e. Scan Resolution: Min 50 micro metre to 500 micro metre		-		
7	f. Optical Film Density: 0 to 4.7 D		-		
8	g. Interface: USB 2.0 or better		-		
9	h. Pixel Depth: 12 Bits/Pixel (4096 gray levels) log(min) adjustable		-		
10	i. Scan Speed: 7 sec. in 200 micro meter mode. Not more than 2 min. in 50 micro meter mode;		-		
11	j. Auto calibration		-		

12	k. Power: Input 230 V AC 50Hz ± 10%		-		
13	l. The Digitizer shall meet the requirements of ASTM E1936, ISO/EN 14096-1 & -2 Standards & Equipment Class DS specified at ISO/EN14096.		-		
14	m. The scanner shall be tested, approved & certified by BAM - Germany.		-		
15	2. Operating System Specifications	1 Set	Yes / No / Explain		
16	a. Windows 10 professional or better		-		
17	b. Intel Xeon Processor E5-2650 or better		-		
18	c. RAM Memory 64 GB DDR4 or better		-		
19	d. Standard LED Colour Monitor-27 inch		-		
20	e. Graphics card NVIDIA with 4 GB or better with multiple graphics card output and multi monitor support		-		
21	f. Hard Disk 2 TB, 7200 RPM Enterprise SATA HDDs		-		
22	g. DVDRW drive		-		
23	h. USB 2.0 ports or above		-		
24	i. Microsoft Office 2016 installed with licensed media		-		
25	j. External hard disk 4-TB or better		-		
26	3. High Resolution Grayscale Monitor specifications	1 No.	Yes / No / Explain		

27	a. 5 MP, 21.3 inch Monochrome LCD Monitor with Dual Standard configuration		-		
28	b. Type: Monochrome (IPS)		-		
29	c. Native resolution: 2048 x 2560(4 : 5 aspect Ratio)		-		
30	d. Viewable Image Size- 300 x 400 mm or better		-		
31	e. Viewing Angles: 178°/178°		-		
32	f. Brightness : 2500 cd/m <sup>2</sup>		-		
33	g. Recommended brightness for calibration: 600 cd/m <sup>2</sup> , 1000 cd/m <sup>2</sup>		-		
34	h. Contrast ratio - 1700 : 1		-		
35	i. Video Input terminals: DVI-D (dual Link)x 1, Display Port x 2		-		
36	j. Suitable interfacing cables are to be supplied to connect to PC to transfer Data and Power		-		
37	4. Interfacing Software requirements	1 Set	Yes / No / Explain		
38	a. 64 bit Drivers for scanner		-		
39	b. Long Film scanning in 64 bits upto 35 x 500 cm		-		
40	c. Complete package of functions for viewing and managing images		-		
41	d. Full support TIFF/DCM/JPG in 8 bit and 12 bits		-		
42	e. Up gradation of scanning and viewing function for a period of 3 years		-		

43	f. Suitable image interpretation and measurement tools such as filtering/image enhancement/dimension measurements/defect marking/stitching of images etc.		-		
44	g. Installation and instruction manuals in English		-		
45	h. Suitable viewing, searching, organizing and measurement modules inbuilt.		-		
46	i. Fully Licensed Driver software		-		
47	j. Images- 8 & 12 bit TIFF images		-		
48	k. Images shall be EN 14096 compliant		-		
49	l. NDT report preparation options inbuilt.		-		
50	5. AGFA Film density Step Wedge	1 No.	Yes / No / Explain		
51	6. Printer: Latest Model HP laserjet printer with document scanner system	1 No.	Yes / No / Explain		

**Document : TECHNICAL COMPLIANCE MATRIX**

**Document : SPECIFICATION FOR RADIOGRAPHIC FILM DIGITISER SYSTEM**

**Supporting Documents required from Vendor**

**1. LIST OF INSTALLATIONS DONE IN INDIA FOR SIMILAR ITEM**

**2. LIST OF FREE SPARES IF ANY**

**3. COMPLIANCE MATRIX**

**4. Detailed Techno - Commercial bid with the list of essential spares & optional spares(without**

**any price details) shall be uploaded**

5 additional documents can be uploaded by the vendor

## C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Installation and commissioning shall be carried out at VSSC at free of cost. Necessary training shall be provided to VSSC personnel (for minimum 2 days).	Yes / No / Explain	
2	List of installations in India with details of the system supplied including the software and performance details to be submitted along with the quotation.	Yes / No / Explain	
3	List shall be given in technical bid if quoted in price bid. VSSC reserves the right to select at the time of releasing the order.	Yes / No / Explain	
4	Party shall also quote for AMC separately for a period of 3 years soon after the completion of warranty period for which a separate order may be placed.	Yes / No / Explain	
5	Party shall provide Performance bank Guarantee and Security Deposit.	Yes / No / Explain	
6	Delivery period: The party shall deliver the item within 24 weeks from the date of purchase order.	Yes / No / Explain	
7	A complete set of documentation manual in English for Hardware and Software Control, Software back Up CDs or pen drive shall be provided.	Yes / No / Explain	
8	Cost of Essential spares as well as optional accessories with cost of individual items for a period of atleast 5 years of trouble free operation shall be quoted.	Yes / No / Explain	
9	Free spares if any that shall be supplied may be mentioned.	Yes / No / Explain	
10	During the AMC period, the party have to attend 2 preventive maintenance calls per year and any number of breakdown calls.	Yes / No / Explain	
11	You shall also quote for AMC separately for a period of 3 years( price details shall be entered in the price bid form only) .	Yes / No / Explain	
12	Delivery Period [Please Specify the period, LD Clause applicable]	Yes / No / Explain	
13	Payment [Within 30 days after receipt and acceptance for indigenous cases]	Yes / No / Explain	

14	The offer from suppliers who are not agreeing to submit Warranty, Security Deposit & Performance Bank Guarantee, LD, AMC will NOT be considered.	Yes / No / Explain	
15	Quote Validity: Minimum 180 days [for Two Part Tender].	Yes / No / Explain	
16	3% Performance Bank Guarantee valid two months beyond warranty period to be provided.	Yes / No / Explain	
17	Liquidated Damages @ 0.5% per week subject to maximum of 10% of order value is applicable beyond the promised delivery schedule.	Yes / No / Explain	
18	Warranty shall be provided for 24 months from date of installation and commissioning (if the warranty for second year is an extended warranty, cost of the same also shall be quoted separately).	Yes / No / Explain	
19	Taxes and other costs, if any. [Please Specify the rates]. Note: All Tax invoices issued by suppliers/service providers on or after July 01, 2017 shall invariably bear their GST registration number (GSTIN) and the applicable GST rates. In the absence of which, the invoices shall not be processed for payment.	Yes / No / Explain	
20	VSSC is a Public Funded Research Institution under the administrative control of Department of Space and is eligible for partial exemption of IGST @ 5% against IGST EXEMPTION CERTIFICATE.	Yes / No / Explain	
21	PO ordering Address in full with Contact Person Name, Mail ID, Phone No:	Yes / No / Explain	
22	Confirm if PFMS registered. If YES provide the unique code. Else provide the following details on Company Letter Head signed by authorised person and attach as scanned copy. 1) Bank details( Bank Name; Branch address; Acct No.; IFSC Code etc., Copy of personalized cheque leaf in the name of vendor or NEFT Mandate form duly endorsed by the Bank of the vendor; 2) GST No.	Yes / No / Explain	
23	Delivery Terms [Normal delivery terms - FOR Destination (for Indigenous cases)	Yes / No / Explain	

24	List of essential spares and optional spares( if quoted in price bid form) may be furnished in the techno commercial document without any price details.	Yes / No / Explain	
25	Confirm submission of AMC details in price-bid form.( AMC for a period of three years )	Yes / No / Explain	
26	Security Deposit: Successful Tenderer shall submit Security Deposit equivalent to 3% of the order value valid for a period of 60 days beyond the date for completion of the Purchase Order shall be furnished. This security deposit is collected towards the performance of the Contract. The said Security Deposit shall be submitted either in the form of Bank Guarantee or Fixed Deposit receipts from Nationalised/Scheduled Banks.	Yes / No / Explain	

### C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	NDT Imaging System	1.00 Nos.		-		

### Common charges (Applicable for all items)

<b>P&amp;F Charges</b>	
<b>Freight charge</b>	
<b>AMC Charges for 1st Year after warranty period</b>	
<b>AMC Charges for 2nd Year after warranty period</b>	
<b>AMC Charges for 3rd Year after warranty period</b>	
<b>AMC Charges for 4th Year after warranty period</b>	
<b>AMC Charges for 5th Year after warranty period</b>	
<b>Any Other Charges</b>	
<b>Other Charges (If any)</b>	