



**NATIONAL JUTE BOARD**  
**Ministry of Textiles, Govt. of India**  
**Patsan Bhawan**

**5<sup>th</sup> & 6<sup>th</sup> Floor, Street No. 175, Plot No.**  
**6/1 CF Block, Action Area – 1, New Town**  
**Kolkata – 700 156**  
**Email: jute@njbindia.in**

NIT No: 19/NJB/MD/JDRC/Tender/2024-25

Dated:18.11.24

**TENDER NOTICE**

Sealed Tenders are invited by the **Secretary, National Jute Board (NJB), Patsan Bhawan, 5<sup>th</sup> & 6<sup>th</sup> Floor, Street No. 175, Plot No. 6/1, CF Block, Action Area - 1, New Town, Kolkata - 700156** from reputed vendors/OEMs with good financial standing for supplying and setting up of IT equipment at National Jute Board, Patsan Bhawan, Plot No. CF-6/1, Premises No. 04-0175, New Town, North 24 Parganas, Kolkata, West Bengal -700156 for JDRC scheme of NJB.

Interested Agencies must submit the Tender Papers at the Tender Box in the National Jute Board office on or before 09/12/2024 within 1:00 pm. The Tender document should be submitted in a sealed envelope, addressed to "The Secretary", National Jute Board.

**Important to NOTE:**

Agencies are advised to carefully read the terms and condition before submission of tender:

- The Tender Committee constituted for the purpose would open the Tender both Technical and Financial Bid, examine and process as per Tender formalities.
- Agencies whose Packet A (Technical & EMD) could not be considered by the Evaluation Committee their Financial Bid shall not be opened. The decision of the Committee is final and no further communication will be entertained.
- Incomplete tender documents without Earnest Money deposit/partly filled schedule of rates and Amount will be summarily rejected as invalid tender.
- NJB reserves the right to accept or reject any or all the tenders in part or whole or may cancel the tender at its sole discretion without assigning any reason whatsoever and decision of NJB in this regard shall be final and binding. No further correspondence in this regard will be entertained.
- NJB is not bound to accept the lowest tender or to assign any reason for non-acceptance.

1. The Tenders must be submitted in two (02) parts as Packet "A" and Packet "B" in separated envelope.

2. The followings are the detailed information regarding this tender: -

<b>Bid Details</b>	
<b>Bid End Date/Time</b>	09-12-2024 13:00:00 hrs.
<b>Bid Opening Date/Time</b>	11-12-2024 13:00:00 hrs.
<b>Bid Offer Validity (From End Date)</b>	30 (Days)
<b>Organization Name</b>	National Jute Board
<b>Quantity of Wacom Display Device</b>	1 piece

<b>Quantity of Camera</b>	1 piece
<b>Quantity of Camera 50 mm Lens</b>	1 piece
<b>Quantity of Camera 70-200 mm Lens</b>	1 piece
<b>Quantity of Camera Dry Box Desiccators</b>	1 piece
<b>Quantity of Colour Laser MFP printer</b>	1 piece
<b>Quantity of CAD Software</b>	2 pieces
<b>Quantity of Portable High speed External Hard Drive</b>	3 pieces
<b>Quantity of Desktop computer</b>	12 pieces
<b>Total Quantity of products</b>	23 pieces
<b>Item Category</b>	Wacom display device, Camera, Camera Dry Box Desiccators, Color Laser MFP printer, CAD Software, Portable High speed External Hard Drive, desktop computer
<b>Minimum Average Annual Turnover of the bidder (For 3 Years)</b>	100 Lakh (s)
<b>Years of Past Experience Required for same/similar service</b>	3 Year (s)
<b>MSE Exemption for Years of Experience and Turnover</b>	No
<b>Startup Exemption for Years of Experience and Turnover</b>	No
<b>Bid Details</b>	
<b>Document required from seller</b>	<p><b>Packet “A”</b>- Experience Criteria, Past Performance, Bidder Turnover, Certificate (Requested in Terms and Conditions), OEM Authorization Certificate Annual Turnover, Additional Doc 1 (Requested in Bidders and OEM Eligibility)</p> <p>*In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be submitted for evaluation.</p> <p><b>Packet “B”</b>- Quotations for all the items</p>
<b>Type of Bid</b>	Two Packet Bid (Packet “A” and Packet “B”)
<b>Primary product category</b>	IT items of JDRC scheme
<b>Time allowed for Technical Clarifications during technical evaluation</b>	2 Days
<b>Evaluation Method</b>	Total value wise evaluation

**EMD Detail**

Advisory Bank	Bank Of Baroda
EMD Amount	60,000/- Online Submission
Bank Address	Camac Street Branch, Kolkata 700016
A/C No	09020200000849
IFSC Code	BARBOCAMACS

**Bidders and OEM Eligibility: -**

1. Bidder must have valid ISO 9001:2015, 14001:2015, ISO/IEC 27001, ISO/IEC 20000- 1:2018. Desktop OEM Should have ISO 9001,14001,20000-1, 27001 and SA 8000. If the bidder does not have the above ISO certificates, they will have to submit an undertaking that they will complete those certifications within 7 days of technical evaluation if they are declared L1.
2. Past performance: Bidder should have relevant experience in the categories mentioned and should provide credentials of this kind of work in the last three financial years. Copies of relevant contracts / Work Order / Purchase Order (providing supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant financial year. The bidder should submit the copies of purchase orders/contract & receipt/ acceptance of supplied material or any document showing proof of supply to establish the past performance, else the submitted bid will be summarily rejected.
3. Bidder should provide bid specific OEM authorization (Mandatory for Desktop, Printer and Digital Drawing tablet) to ensure their support for this work.
4. Bidder should have local office in Eastern region. Office registration certificate/trade license should. OEM must have a Functional Service Centre in and around Kolkata. As lot of service is involved this is mandatory.
5. Escalation Matrix for Support Service: After sales service/facilities are to be elaborated clearly. Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
6. Bidders have to provide a valid Trade License, GST certificate, PAN, Cancelled Cheque/ Bank Mandate (authorized by Branch Manager). Each document including ATC to be signed by the authorized person of bidder with company stamp. The compliance Certificate of Desktop and Printer should be provided on the OEM letterhead with the Bid number duly signed by the manufacturer.
7. Bidder should have a toll-free number and an online call reporting system. The number should be provided and the URL should be mentioned. In case the bidder does not possess these facilities, it has to be created within 10 days of award of the contract if becomes L1. Undertaking in this regard must be supplied with the bid. Dishonoring this undertaking will attract penal action during the currency of the contract.
8. The bidder should not be under liquidation, court receivership or similar proceedings and should not be bankrupted. Bidder must submit undertaking in this regard with all the relevant documents.
9. The bidder should be of positive net worth for the last three years ending 2022-23. Bidder and OEM should be in same line of business for last 10 years in India.

10. The bidder must ensure after sale service during the Defective and liability period after notification from the concerned department.
11. Local delivery and insurance shall be obtained by the bidder at their own cost to the final destination of installation. For delivery goods at site, the insurance shall be obtained by the supplier at their own cost from warehouse of the supplier to the final destinations of installation defined as project site on "All Risks" basis including war risks and strikes. It will be the sole responsibility of the supplier to file the claim, if any, with the insurance company immediately after delivery of goods at project sites. National Jute Board shall not be responsible for any loss to the supplier.
12. Bidder should be strictly as per technical specification elaborated in the bid document; no deviation will be accepted.
13. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection. For Desktop and Printer: Technical compliance statement of the offered products along with public URL of the quoted products to be submitted in OEM letterhead in the bid.
14. Tenderers should deposit Earnest Money deposit of Rs 60,000/- (Rupees Sixty Thousands only) through Demand Draft/ Cheque/ Online Payment in favour of National Jute Board, Bank of Baroda, Camac Street Branch, Kolkata 700016, A/C No "09020200000849" IFSC BARBOCAMACS (In case of E-payment, necessary proof of e-payment may please be attached.) , which may be sent through speed post or courier in the envelope of Packet "A", addressed to "The Secretary, National Jute Board, Patsan Bhawan, CF 6/1 Street No. 175, Kolkata 700156 West Bengal superscripting "EMD for Procurement of Computer/Printer/Camera".
15. No interest is payable on EMD. EMD will be refunded to the unsuccessful bidder after finalization of the bidding process stage by stage i.e. Technical evaluation and Financial evaluation. EMD of the successful bidder will be retained and the same will be adjusted against the final payment. Bidders must supply copy/proof of the Demand Draft (DD) along with bid.
16. Exemption of EMD: - Bidders are requested to provide the valid exemption certificate like NSIC / MSME Registered Certificate for getting exemption of EMD, GeM Vendor assessment Document failing which their Tender will be rejected.
17. During evaluation, the bidders may be invited for clarification/ information or additional documents or original hard copy of any of the documents already submitted, may be sought from them & if these are not produced within the stipulated time frame, their bid will be liable to rejection.
18. Bidders who do not comply with any of the conditions are liable to be rejected. No bidder shall be entitled for any compensation whatsoever for rejection / non consideration of the tender.
19. If any information furnished by the bidder is found incorrect or false at a later stage, he/she shall be liable to be debarred from tendering /ordering.
20. Carrying, loading, unloading, installation, testing, commissioning and integration of the components/equipment purchased are to be done by supplier(s) at our premises. It will be treated that all the charges for the same is included in quoted price. Compatibility on new system with existing system has to be ensured by the bidder.
21. Bidder and OEM must not be black listed at National Jute Board or any Government Organization in Country. A declaration to the effect must be submitted.

22. 100% payment of the total price of all the goods given in the purchase order shall be paid by the National Jute Board to the supplier/bidder against delivery, inspection at site in good condition, installation, commissioning, testing and acceptance by the concerned department. NJB will make the payment through electronic transfer i.e. RTGS/NEFT for which details (Name of the Bank, Branch name, Account Number, IFSC & MICR Code) shall be provided by the supplier.
23. The final order quantities may be varied at the time of ordering.
24. The tender/contract/order shall be interpreted in accordance with the laws of the Union of India and all disputes shall be subject to local jurisdiction.
25. As per OEM/manufacture terms and conditions, warranty as mentioned in the above BOQ after successful installation & commissioning of the equipment. In case of any replacement during warranty period the same shall be replaced free of cost on CIF. Warranty/service will be irrespective of delivery location of the items installed at different branches of the National Jute Board. The warranty of the items must be verifiable from OEM website. OEM Must have 24x7 telephonic/help desk support system facility. Further, the warranty status should be verifiable from the OEM website against the serial number of the supplied products. The website address where from such verification can be done must be mentioned in the bid document. No parts, accessories, licenses of the systems should be excluded from such warranty.
26. The supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination i.e. National Jute Board. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. The packing, making and documentation within and outside the packages shall comply strictly with such special requirements as shall be provided for in the contract.
27. Bid should be strictly as per Technical Specifications elaborated in the Bid documents; no deviations will be accepted.
28. Bidder (s) should sign on all the pages of the relevant documents.
29. Price bid will be opened only of the technically eligible bidders.
30. National Jute Board reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to the affected bidder or bidders.
31. The installation, testing & commissioning of above shall be made/completed within 30 days from the date of receipt of the purchase order.
32. It will be the responsibility of bidders to supply, assemble, install and commission of the all systems along with OS installation in the desktop.
33. The bidders are requested to mention their complete address with mobile number and e- mail ID in the bid.
34. Consortium is not allowed and No Partial Quote will be accepted.
35. Average Annual Turnover: Average Annual Turnover for the OEM should be at least 50 lakhs in any one of the last 3 years.
36. Force majeure Clause: If the work(s) be delayed for the following reasons: - Due to war, internal emergency and other conditions such as abnormally bad weather, flood, cyclone natural calamity or serious loss or damage by fire or civil commotion, the contractor shall immediately give notice thereof in writing, but shall nevertheless use constantly his/her best endeavours to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of NJB to proceed with the works.
37. Billing, Delivery & Installation Address: Head Office: National Jute Board Patsan Bhawan CF 6/1, Street No. 175 Kolkata – 700156 (AS PER SPECIFICATION OF THE ITEMS MENTIONED IN ANNEXURE-A)

**Annexure-A****Specification of the items: -****( A ) Specifications for Tablet: Quantity-1 piece**

<b>Sl. No.</b>	<b>Parameter</b>	<b>Bid Requirement (Allowed Values)</b>
1	<b>Product</b>	<b>Wacom make Display Device</b>
2	Display	27 Inch
3	Resolution	3840 X 2160 Ultra HD
4	Active Area	596 x 335 mm
5	Size (WxHxD) & Weight	638 x 379 x 31 mm & Approx 72.5Kg
6	Performance	1.07 billion colors (10 bit), 99 % Adobe® RGB (CIE1931) (typ), 98 % DCI- P3, HDR PQ / HLG Gamma support, Pantone™ Validated, Pantone Skin Tone TM Validated; 178° (89 / 89) H, (89 / 89) V (typ)
7	Response Rate	1000:1 (typ) / 10ms (typ)
8	Power Consumption	Upto 85 W
9	Aspect Ratio	16:9 / 400 cd/m2 (typ)
10	Connectivity	USB-C (DP alt mode) x 1, USB-C x 1, USB-A x 1, HDMI x 1, Mini Display Port x 1
11	Graphical Input	USB-C port with DisplayPort Alternate Mode, or HDMI 2.1 or DisplayPort 1.4 port and USB-A port
12	Pen	Battery-free OEM Based Pro Pen 3 with 3 customizable side switches, 8.192 pressure levels and customizable grip size, weight & weight balance; +/- 60 deg.
13	Stand	OEM based Stand or any VESA compatible arm
14	Add-on Features (optional)	Kensington® Micro Saver 2.0; Color Manager
15	Warranty	12 months (Asia Pacific Type)
16	System Requirements	Windows® 7 or later, macOS 10.15 or later; USB-C port with DisplayPort Alternate Mode or DisplayPort or HDMI and USB-A; internet access to download driver
17	In Box Material – Added	Main Display Device including Pen 3 with 2 extra grips, 3 extra button plates, and a balance weight, a detachable pen holder with 10 replacement nibs (5 standard, 5 felt) and nib removal tool, PVC-free USB-C to USB-C cable (1.8 m), PVC-free USB-C to USB Standard A cable (1.8 m), PVC-free HDMI cable (1.8 m), PVC-free Mini DisplayPort to DisplayPort cable (1.8 m), PVC-free AC adaptor, power cord (1.0 m)
18	Certification	Authorization from OEM

**(B) Specifications of Camera: Quantity-1 piece**

Sl. No.	Parameter	Bid Requirement (Allowed Values)
1	Maker	Nikon
2	Model	Z 7 II or equivalent
3	Type	Mirrorless Digital camera with support for interchangeable lenses
4	Picture Angle	Full-frame/FX-format
5	Sensor Size	35.9 mm x 23.9 mm
6	Image Sensor Type	CMOS
7	Total Pixels	46.89 million
8	Dust-Reduction System	Image Dust Off reference data (requires Capture NX-D); image sensor cleaning
9	Effective Pixels (Megapixels)	45.7 million
10	Image Sensor Format	Full-frame/FX-format
11	File Format Still Images	NEF (RAW): 12 or 14 bit (lossless compressed, compressed, or uncompressed); large, medium, and small available (medium and small images are recorded at a bit depth of 12 bits using lossless compression) JPEG: JPEG-Baseline compliant with fine (approx. 1:4), normal (approx. 1:8), or basic (approx. 1:16) compression; optimal quality compression available NEF (RAW) + JPEG: Single photograph recorded in both NEF (RAW) and JPEG formats
12	Storage Media	CFexpress (Type B) XQD Type Memory SD (Secure Digital) and UHS-II compliant SDHC and SDXC
13	Card Slot	Dual Slots
14	Viewfinder	1.27-cm (0.5-in.) approx. 3690k-dot (Quad VGA) OLED with colour balance and auto and 11-level
15	Eye Sensor	Automatically switches between monitor and viewfinder displays
16	Compatible Lenses	Z mount NIKKOR lenses with mount adapter
17	Viewfinder Eyepoint	21 mm (-1.0 m-1; from center surface of viewfinder eyepiece lens)

18	Viewfinder Magnification	Approx. 0.8x (50 mm lens at infinity, -1.0 m -1)
19	Viewfinder Frame Coverage	Approx. 100% horizontal and 100% vertical
20	Shutter Type	Electronically- controlled vertical-travel focal-plane mechanical shutter; electronic front-curtain shutter; electronic shutter
21	Frame Advance Rate	Low-speed continuous: 1-5 fps High-speed continuous: 5.5 fps (14-bit NEF/RAW: Approx. 5 fps) High-speed continuous (extended): 10 fps (14-bit NEF/RAW: Approx. 9 fps) Maximum frame advance rate as measured by in house tests
22	Shutter Release Modes	Single frame Low-speed continuous High-speed continuous High-speed continuous (extended) Self-timer
23	Flash Sync Speed	X=1/200 sec.; synchronizes with shutter at 1/200 sec. or slower; Auto FP High-Speed sync supported
24	Continuous Shooting Options	Low-speed continuous: 1-5 fps High-speed continuous: 5.5 fps (14-bit NEF/RAW: Approx. 5 fps) High- speed continuous (extended): 10 fps (14-bit NEF/RAW: Approx. 9 fps) Maximum frame advance rate as measured by in house tests
25	Slowest Shutter Speed	900 sec
26	Fastest Shutter Speed	1/8000 sec
27	Exposure Metering	TTL metering using camera image sensor
28	Exposure Compensation	-5 to +5 EV in increments of 1/3 or 1/2 EV available in modes P, S, A, and M
29	Exposure Meter Coupling	CPU
30	Metering Range	-3 to +17 EV (ISO 100, f/2.0 lens, 20 °C/68 °F)
31	Metering Method	Matrix metering Center-weighted metering: Weight of 75% given to 12 mm circle in center of frame; weighting can instead be based on average of entire frame Spot metering: Meters 4 mm circle (about 1.5% of frame) centered on selected focus point Highlight-weighted metering



32	ISO Sensitivity	ISO 64 - 25,600 in steps of 1/3 or 1/2 EV Can also be set to approx. 0.3, 0.5, 0.7, or 1 EV (ISO 32 equivalent) below ISO 64 or to approx. 0.3, 0.5, 0.7, 1, or 2 EV (ISO 102,400 equivalent) above ISO 25,600; auto ISO sensitivity control available
33	Single-Point AF Mode	Yes
34	Active D-Lighting	Can be selected from: Auto, Extra High, High, Normal, Low, or Off
35	Highest Expanded ISO Sensitivity	102400
36	Lowest Expanded ISO Sensitivity	32
37	Highest Standard ISO Sensitivity	25600
38	Lowest Standard ISO Sensitivity	64
39	Focus Point	493 (single-point AF)
40	Top FP High Speed Sync	Up to 1/8000 sec.
41	X-Sync Speed	1/200th sec.
42	Focus Modes	Pinpoint Single-point Dynamic-area AF Wide-area AF (S) Wide-area AF (L) Auto-area AF Pinpoint and Dynamic-area AF available in photo mode only
43	AF-Area Mode	Pinpoint Single-point Dynamic-area AF Wide-area AF (S) Wide-area AF (L) Wide-area AF (L-people) Wide-area AF (L-animals) Auto-area AF Auto-area AF (people) Auto-area AF (animals) Pinpoint, Single-point and Dynamic-area AF available in photo mode only
44	Lens Servo	Autofocus (AF): Single-servo AF (AF-S); continuous-servo AF (AF-C); full-time AF (AF-F; available only in movie mode); predictive focus tracking Manual focus (M): Electronic rangefinder can be used
45	Vibration Reduction, Image Stabilization	5-axis image sensor shift

46	Detection Range	-3 to +19 EV (-4 to +19 EV with low-light AF) Detection range (ISO 100, f/2.0 lens, 20 °C/68 °F)
47	Autofocus System	Hybrid phase-detection/contrast AF with AF assist
48	Maximum Autofocus Areas/Points	493
49	Flash Compensation	-3 to +1 EV in increments of 1/3 or 1/2 EV available in modes P, S, A, and M
50	Flash Control	TTL: i-TTL flash control; i-TTL balanced fill-flash is used with matrix, center-weighted, and highlight-weighted metering, standard i-TTL fill-flash with spot metering
51	Flash Sync Modes	Front-curtain sync Rear-curtain sync Red-eye reduction Red-eye reduction with slow sync Slow rear-curtain sync Slow sync Off
52	White Balance Bracketing	Yes
53	Live View Shooting	Photography Live View Mode Movie Live View Mode
54	Movie	4K UHD 3,840x2,160 / 60 fps 4K UHD 3,840x2,160 / 50 fps 4K UHD 3,840x2,160 / 30 fps 4K UHD 3,840x2,160 / 25 fps 4K UHD 3,840x2,160 / 24 fps Full HD 1,920x1,080 / 120 fps Full HD 1,920x1,080 / 100 fps Full HD 1,920x1,080 / 60 fps Full HD 1,920x1,080 / 50 fps Full HD 1,920x1,080 / 30 fps Full HD 1,920x1,080 / 25 fps Full HD 1,920x1,080 / 24 fps Full HD 1,920x1,080 slow-mo / 30 fps x4 Full HD 1,920x1,080 slow-mo / 25 fps x4 Full HD 1,920x1,080 slow-mo / 24 fps x5 Actual frame rates for 120p, 100p, 60p, 50p, 30p, 25p, and 24p are 119.88, 100, 59.94, 50, 29.97, 25, and 23.976 fps respectively Quality selection available at all sizes except 3,840 x 2,160, 1,920 x 1,080 120p/100p, and 1,920 x 1,080 slow-motion, when quality is fixed at m
55	Movie Metering	TTL exposure metering using main image sensor
56	Time-Lapse Movie	Up to 4K UHD; Silent mode option
58	Movie HDMI Output	Yes, up to 12 bit Start/Stop supported
59	Movie Log Gamma Output	Logarithmic (N-Log) and HDR (HLG) movie output with View Assist (HDMI output only)
60	Time Code	Yes Drop frame
61	Movie Active D-Lighting	Can be selected from: Auto, Extra High, High, Normal, Low, or Off

62	Movie ISO	Auto ISO sensitivity control (ISO 64 to 25,600) M: Manual selection (ISO 64 to 25,600; choose from step sizes of 1/3 and 1/2 EV); with additional options available equivalent to approximately 0.3, 0.5, 0.7, 1, or 2 EV (ISO 102,400 equivalent) above ISO 25,600; auto ISO sensitivity control (ISO 64 to Hi 2.0) available with selectable upper limit P, S, A: Auto ISO sensitivity control (ISO 64 to Hi 2) with selectable upper limit
63	Movie Audio	Built-in stereo or external microphone with attenuator option; sensitivity can be adjusted
64	Movie Audio Recording Format	Linear PCM AAC
65	Movie Video Compression	H.264/MPEG-4 Advanced Video Coding
66	Movie File Format	MOV MP4
67	AF for Movie	AF Speed and AF Tracking Sensitivity can be adjusted
68	Monitor Size	8-cm (3.2-in.) diagonal
69	Monitor Resolution	approx. 2100k-dot
70	Monitor Type	Tilting TFT Touch-Sensitive LCD
71	Monitor Angle of View	170° viewing angle
72	Monitor Adjustments	Colour balance 11-level manual brightness controls
73	In-Camera Image Editing	Distortion Control D-Lighting Image Overlay NEF (RAW) Processing Perspective Control Red-eye Reduction Resize Side by Side Comparison Straighten Trim Trim Movie
74	Playback Functions	Auto Image Rotation Full-frame and thumbnail (4, 9, or 72 images) Highlights Histogram Display Location Data Display Movie Playback Photo and/or Movie Slide Shows Photo Information Picture Rating Playback with Playback Zoom Playback Zoom Cropping

75	Interface	USB: Type C USB connector (SuperSpeed USB); connection to built-in USB port is recommended HDMI: Type C HDMI connector Accessory terminal: Can be used with MC-DC2 and other optional accessories Audio Input: Stereo mini-pin jack (3.5 mm diameter; plug-in power supported) Audio Output: Stereo mini-pin jack (3.5 mm diameter)
76	Battery / Batteries	One EN-EL15c rechargeable Li-ion battery
77	Weight (g) (body only)*1	Approx. 615g (21.7 oz.) camera body only
78	Length x height x width (mm) (body only)*	134mm x 100.5mm x 69.5mm (5.3 in. x 4.0in. x 2.8 in.)
79	Tripod Socket	0.635cm (1/4 in., ISO 1222)
80	4K UHD	Yes
81	WiFi	Yes
82	Bluetooth	Yes

**( C ) Specification of camera 50 mm Lens: Quantity-1 piece**

Sl. No.	Parameter	Bid Requirement (Allowed Values)
1	Make/ Brand	Nikon (No Third Party)
2	Maximum Aperture	f/1.2
3	Minimum Aperture	f/16
4	Focal Length	50mm (Full frame compatible)
5	Nano Crystal Coat	Yes
6	Lens Type	Prime
7	Filter Size	82mm
8	Format	Full-frame/FX-format
9	Focus Mode	Autofocus Manual
10	Mount Type	Nikon Z mount

**( D ) Specification of camera 70-200mm Lens: Quantity-1 piece**

Sl. No.	Parameter	Bid Requirement (Allowed Values)
1	Make/ Brand	Nikon (No Third Party)
2	Minimum Focus Distance	0.5 m (1.64 ft.) at 70mm zoom position 0.63 m (2.07 ft.) at 85mm zoom position 0.68 m (2.23 ft.) at 105mm zoom position 0.80 m (2.62 ft.) at 135mm zoom position 1.0 m (3.28 ft.) at 200mm zoom position
3	Internal Focusing	Yes
4	AF Actuator	STM (stepping motor)
5	SR (Short-Wavelength Refractive) Elements	1
6	Arneo Coat	Yes
7	Autofocus	Yes
8	VR (Vibration Reduction) Image Stabilization	Yes, Lens shift using voice coil motors (VCMs)
9	Mount Type	Nikon Z mount
10	Maximum Aperture	f/2.8
11	Minimum Aperture	f/22
12	Focal Length	70-200mm (Full frame compatible)
13	Nano Crystal Coat	Yes
14	Filter Size	77mm
15	Format	Full-frame/FX-format
16	Fluorine Coat	Yes
17	Focus Mode	Auto/Manual

**( E ) Camera Dry Box/Desiccators :Quantity-1 piece**

<b>Sl. No.</b>	<b>Parameter</b>	<b>Bid Requirement (Allowed Values)</b>
1	Capacity:	30 Ltr.
2	Digital display	Yes

**( F ) Specifications for Color Laser MFP printer: Quantity-1 piece**

<b>Sl. No.</b>	<b>Parameter</b>	<b>Bid Requirement (Allowed Values)</b>
1	Make & model	HP make Colour laser Jet Pro MFP M183fw
2	Print, copy, scan, fax	Yes
3	Control panel	2-line LCD with 26 buttons
4	Print technology	Laser, Black (A4, normal) Up to 16 ppm; Colour (A4, normal): Up to 16 ppm;
5	First page out	Black (A4, ready): As fast as 11.8 sec; Colour (A4, ready): As fast as 13.8 sec;
6	Print resolution	Black (best): Up to 600 x 600 dpi; Colour (best): Up to 600 x 600 dpi;
7	Monthly duty cycle	Up to 30,000 pages
8	Standard print languages	PCL6; PCL5c; postscript level 3 emulation; PWG raster; PDF; PCLm; PCLm-S; URF
9	Duplex printing	Manual (driver support provided)
10	Copy speed	Black (A4): Up to 16 ppm; Colour (A4): Up to 16 ppm
11	Reduce/Enlarge:	25% to 400%
12	Scan speed	Normal (A4): Up to 15.0 ppm (black and white); 8 ppm (colour)
13	Scan file format	JPG, RAW (BMP), PNG, TIFF, PDF
14	Fax	Yes, 33.6 kbps
15	Fax specifications	Fax memory: Up to 1300 pages; Fax resolution: Standard: 203 x 98dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 300 x 300 dpi; Quick dialing: Up to 120 numbers

16	Processor speed	800 MHz
17	Connectivity	Hi-Speed USB 2.0 port; Built-in Fast Ethernet 10/100 Base-TX network port; 802.11n 2.4/5GHz wireless; Fax port
18	Network capabilities	Yes, via built-in 10/100 Base-TX Ethernet; Authentication via 802.1X
19	Memory	Standard: 256 MB DDR
20	Media handling	Standard input: 150 sheet input tray Standard output: 100 sheet output bin ADF: Standard, 35 sheet
21	Media weight	60 to 163 g/m <sup>2</sup> (Uncoated/Matte, recommended), however up to 175 g/m <sup>2</sup> Postcards and 200 g/m <sup>2</sup> HP Matte is allowed in the driver; 60 to 163 g/m <sup>2</sup> (Coated/Glossy, recommended), however up to 175 g/m <sup>2</sup> Postcards and 220 g/m <sup>2</sup> ADF: 70 to 90 g/m <sup>2</sup>
22	Warranty	3 Years onsite

**( G ) Specifications for CAD software: Quantity-2 pieces**

Sl. No.	Parameter	Bid Requirement (Allowed Values)
1	CAD Software	Adobe Creative cloud (latest version) , 1 year subscription based

**( H ) Specifications for High-speed Portable External Hard Drive: Quantity-3 pieces**

Sl. No.	Parameter	Bid Requirement (Allowed Values)
1	<b>Portable External HDD Type:</b>	<b>Mechanical Hard Disk</b>
2	Storage capacity:	2 TB
3	Connectivity:	USB 3.0
4	Compatible devices:	PC, Laptop and Mac Feature: High speed

**( I ) Specifications for Desktop: Quantity-12 pieces**

Sl. No.	Parameter	Bid Requirement (Allowed Values)
	Brand and Model	HP make Elite Tower 800G9
1	Processor Make	Intel
2	Processor Generation	13 or higher
3	Number of Cores per Processor	16 or more
4	Processor Description	13th Generation, Intel Core i7-13700 2.10G 30MB 16 cores 65WCPU
5	Cache (MB)	30
6	Chipset Series	Intel Q Series chipset. Motherboard make from the same desktopOEM (OEM logo must be embossed in the motherboard)
7	Chipset Number	Q670 or better
8	Security	Discrete TPM 2.0
9	Expansion Slots (PCIe x 16) (Number)	1
10	Expansion Slots (PCIe x16 wired as x 4) (Number)	1
11	Expansion Slots (PCIe x 1) (Number)	2
12	Expansion Slots ( # of M Dot 2)	3
13	Graphics Type	Dedicated
14	Graphics Card	NVIDIA RTX 8 GB Graphics Card or higher
15	ROHS Compliance	Yes
16	BEE/ Energy Star for the given Model	Yes
17	FCC,UL,CE (for the quoted Desktopmodel not for the quoted Desktop series)	Yes (all)
18	ISO (OEM)	ISO 9001,14001,20000-1, 27001



Sl. No.	Parameter	Bid Requirement (Allowed Values)
19	EPR Authorization (OEM)	Yes
20	EPEAT Gold India Registered (for the quoted desktop model)	Yes
21	TCO Certification for quoted Monitor and Desktop	9.0 or latest
22	Operating System (Factory Pre-Loaded)	Factory pre-install Windows 11 professional (64 bit) or higher with latest Service Pack and Preloaded License, Systems Hardware driver should be available in OEM website Operating system pre-loaded / pre-installed from OEM factory only against the offered model. OEM letter confirming that Operating system pre-loaded/ pre-installed from OEM factory only
23	OS Certification	Windows. Self-certification from OEM can also be given for Linux. Ubuntu Linux Certified from OEM on their letterhead
24	RAM Size (GB)	32 GB DDR5 or more
25	RAM Expandability	Minimum 128 GB DDR5 or more
26	Power Supply Capacity (Watt)	Min 550W active PFC with 80 PLUS Platinum
27	Minimum Power Efficiency Range (%)	89-92
28	Type of Drives used to populate the Internal Bays	HDD, SSD (NVMe)
29	Number of 3 point 5 inches Internal Bays	2
30	Total SATA Capacity (GB)	1000

Sl. No.	Parameter	Bid Requirement (Allowed Values)
31	Total SSD Capacity (GB)	1024
32	Wireless Connectivity	Yes, Intel AX211 Wi-fi 6E vPro 160 MHZ + Bluetooth 5.3 WW WLAN
	Desktop Video Ports	1 HDMI Ports , 1 VGA Ports, 2 Display Ports
	External Bays	Optical Drive, 9.5mm SuperMulti DVDRW
	Monitor Technology	IPS
	LED Backlit Monitor Size(INCHES)	23.8 inch Inbuilt Integrated Speaker with Monitor or higher
	Monitor Resolution (PIXELS)	1920 x1080 or higher,
	Number of Ports for monitor	1 VGA, 1 HDMI, 1 Display
	Type of connector cable with Monitor	HDMI
	Mouse Connectivity	USB optical scroll mouse (same desktop OEM make)\
	Keyboard Connectivity	USB Keyboard (SameDesktop OEM make)
	On Site OEM Warranty (Year)	3 (OEM supplied Desktop model warranty must be visible in the OEM website in respect to each product serial number)
33	FCC, UL, CE for the given Model.	Yes
34	The quoted model should have HARDWARE TPM version 2.0 or better	Yes

Sl. No.	Parameter	Bid Requirement (Allowed Values)
35	Security	Integrated keyboard/mouse wire hoop;
		Pad Lock;
		Standard cable lock slot;
		TPM 2.0 endpoint security controller (Infineon SLB9672/Nuvoton NPCT760HABYX) shipped with Windows 11. Common Criteria EAL4+ Certified. FIPS 140-2 Level 2 Certified;
		SATA port disablement (via BIOS);
		USB enable / disable (via BIOS);
		Power-on password (via BIOS);
		Setup password (via BIOS);
		Integrated protection from malware that lurks on malicious websites;
		Integrated real-time detection and prevention of zero-day threats and advanced persistent threat (APT) attacks for Windows applications;
36	Type of RAM	DDR5
37	RAM Speed (MHz)	4800
38	Number of DIMM Slots	4
39	Number of DIMM Slots Free	Minimum 3

40	Out Band Management	Intel Vpro (should support Windows 10 Pro or higher OS only )
41	For Future Storage Upgradation	System should support up to 2 TB M.2 PCIe NVMe SSD & 2 TB 7200 RPM 3.5 inch HDD
42	Internal Speaker	Yes
43	Dedicated Audio Line in/Line Out port	Yes
44	Headphone Out/Microphone in	Yes or through Audio Combo Jack
Sl. No.	Parameter	Bid Requirement (Allowed Values)
45	USB Ports	<b>Front:</b>
		Min 4 USB 3.2 Gen 2 Type-A Ports (1 with charge support up to 5V/1.5A);
		Min 1 USB 3.2 Gen 2x2 Type-C Port(charge support up to 5V/3A);
		<b>Rear:</b>
		Min 3 USB 2.0 Type-A;
		Min 3 USB 3.2 Gen 1 Type-A
46	Communication	Intel Integrated 1 Gigabit Network Connection LOM(RJ- 45 Port)
47	Power Supply Capacity (Watt)	Minimum 550 or better
48	Power Efficiency Range (%)	Up to 92% efficiency
49	Cabinet Form Factor	Tower

50	Volume and Weight	Not more than 17 Litres
51	Expansion Slots (PCIe Gen4 x16) (Number)	1
52	Expansion Slots (PCIe Gen3x16 ( <b>wired as x4</b> )) (Number)	1
53	Expansion Slots (PCIe Gen3 x1) (Number)	2
54	SATA 3.0 (6Gbps) port	4
55	ISO (OEM)	ISO 9001,14001,20000-1, 27001

**Additional Specification Parameters for Desktop:**

1	Technical compliance should be on OEM letter head.
2	Warranty undertaking should be on OEM letter head.
3	The quoted Desktop model should have Microsoft Windows11 certification and EPEAT Gold certification (INDIA Registered), TCO 9.0 certification for Desktop & Monitor.
4	OEM of Desktop should be ISO 9001, ISO 14001, ISO 20000-1, ISO 27001
5	System should be Linux (Ubuntu) OS Certified. Need OEM confirmation on OEM letterhead