

भारतीय प्रौद्योगिकीसंस्थानगुवाहाटी,
गुवाहाटी-781 039

- Kuntal Bhuyan, MBA, LLB
Joint Registrar (S&P),
HOS (S&P)

**Indian Institute of Technology
Guwahati,**
Guwahati-781 039, Assam, India.

Phone Nos. : +91-361-258 2153
+91-361-258 2158
+91-361-258 2155
Fax : +91-361-258 2152
Email: kuntal@iitg.ac.in
kakali@iitg.ac.in



Stores & Purchase
Section

- To,

- Date : 7th December 2020

All interested Vendors

- Refⁿ: IITG/SNP/E-Pub/4/2020-21

SUBJECT: Notice inviting quotation for supply and installation of Equipment at IIT Guwahati.

Dear Sir/ Madam,

The Director, Indian Institute of Technology Guwahati, invites quotations for **supply and installation of Equipment at IIT Guwahati** as per details mentioned in the **CHECK LIST** attached herewith. The quotation is to be submitted **offline** as per 'Instruction to Bidders', 'Terms & Conditions' and Annexure-I(A,B,C,D & D), II, III, IV, V and VI to the undersigned on or before **31-12-2020 (Thursday) at 15:00 HRS.**

Kindly read the NIQ document carefully before participating. It shall be deemed that submission of bid by the bidder has been done after their careful study and examination of the NIQ terms with full understanding to its implications. Any lack of information shall not in any way relieve the bidder of its responsibility to fulfill its obligations under the Bid.

The Director IITG will reject a proposal for award if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for, or in executing, the Purchase Order. Fraudulent Practice means a misrepresentation of facts in order to influence a procurement process 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 IITG of the benefits of free and fair competition. Corrupt Practice means offering, giving, receiving or soliciting of anything of value, pressurizing to influence the action of a public official in the process of this purchase execution.

In case of doubt please contact us at 0361 2582160, 2158, 2155

INSTRUCTION TO BIDDERS

01. Mode of bid:

Tender will have to be submitted in **Double bid**.

02. Important Date, Time and Venue:

Sl. No.	Particulars	Date & Time
01	Date of uploading of NIQ & other documents (publishing date)	07-12-2020 at 16:30 hrs
02	Documents download/sell start date	07-12-2020 at 18:15 hrs
03	Documents download/sell end date	31-12-2020 at 12:00 hrs
04	Bid submission start date	08-12-2020 at 12:00 hrs
05	Last date of submission of original copies of Earnest Money Deposit (offline)	31-12-2020 at 12:00 hrs
06	Bid submission closing	31-12-2020 at 15:00 hrs
07	Technical Bid Opening date	04-01-2021 at 15:05 hrs
08	Venue of Technical bid opening	As per Check List
09	Financial Bid Opening date	To be informed later on

03.Submission of bids: Bids are to be submitted through offline in **two Covers**, one in Fee/Technical Cover & the other is Financial Cover before the prescribed date and time. The documents duly digitally signed are to be submitted.

03.1. Fee / Technical Cover: The technical Cover should contain the following documents in **two folders**. The seal and signature of the authorized official of firms must appear on all the papers submitted:

03.1.A. Fee/Technical Documents:

- i. EMD. If any bidder is exempted from payment of EMD, Relevant Document(s) needs to be uploaded as mentioned in sl. no. 08 of Terms & Condition.
- ii. Compliance certificate [**Annexure –II**]
- iii. Manufacturer's Certificate in case of manufacturer Or Manufacturer Certificate along with Authorized Dealership Certificate on the offered products in case of Agent or Dealer.
- iv. Details of the technical features of the offered item in the format at **Annexure-I**
- v. Standard Technical leaflet/literature on each of the items offered
- vi. HSN/SAC Number, ISO/ISI Certificate
- vii. Details of nature and maximum period of warranty offered.
- viii. Bidder's detail and its Service Centre detail, and TIN number as per format at **Annexure-III**
- xi. Character certificate (Undertaking that currently the vendor is not blacklisted by any govt. organization/institution)
- x. GST Registration Certificate and GST Clearance certificate.
- xi. PAN Detail
- xii. Registration Certificate
- xiii. Banker's Detail
- xiv. List of reputed organizations/institutions, particularly to IIT/Institutes and other Government Organization where similar orders have been executed, if any (copy (s) of the Purchase Orders and Installation certificates will have to be submitted).
- xv. Other documents as per specification, if requires.

03.2. Financial Cover: The financial Cover should contain Bill of Quantities (BOQ) (**Annexure-VI**). The bidder is to quote the rate in the space marked for quoting rate in the BOQ. Only downloaded copy with same file name of BOQ document submitted by the bidder after filling up.

03.3. Address for correspondence: The address of the firm submitting the quotation and the Officer to whom the quotation is addressed must appear distinctly on sealed covers. Further, on sealed cover, the following are to be written:

<p>QUOTATION FOR SUPPLY OF(item name) Individual NIQ Ref. No.(please refer Check List) LAST DATE OF SUBMISSION: 31-12-2020 (15:00 HRS)</p>	<p>To, The Joint Registrar Stores & Purchase Section Indian Institute of Technology Guwahati Guwahati 781 039, Assam, India.</p>
<p>From: M/s _____ Address: _____ Phone No.: _____</p>	

04. Evaluation of Process:

- 04.1. Opening of Technical Cover: Technical Documents will be opened by the Purchase Committee members.
- 04.2. Cover for Fee/Technical Documents will be opened. If there is any deficiency/discrepancy in the Documents, the bidder will summarily be rejected.
- 04.3. During evaluation the Committee may summon the bidders and seek clarification/information or additional documents or original hard copy of any of the documents already submitted & if these are not produced within the stipulated time frame, their proposals will be liable for rejection.
- 04.4. The Financial offer of the prospective bidder will be considered only if the Technical Bid of the bidder is found qualified by the Purchase Committee.

05.Award: The Final Award will be given to the vendor, selected by the Purchase Committee on the lowest quote basis.

06. Conditional tenders not acceptable: All the terms and conditions mentioned herein must be strictly adhered to by all the vendors. Conditional tenders shall not be accepted on any ground and shall be rejected straightway. Printed conditions mentioned in the tender bids submitted by vendors will not be binding on IITG.

07.Any query related to Technical Specifications, Instruction to Bidders and Terms & Conditions must be made before 7 working days of last date of submission of bids.

TERMS & CONDITIONS

- 01. Rates:** Rates quoted should be on F.O.R. IIT Guwahati basis for indigenous items and on **DOOR DELIVERY PAID** basis for imported items, with break-ups as per BOQ. Failing to provide as per BOQ, quotation may not be accepted.
- 02. Validity of Quotation:** Quoted rates must be valid for **120 days** from the last date of submission of quotation.
- 03. Warranty:** At least **01 (One) year** from the date of installation and acceptance by the Department for all items and **03 (three) years** for Photocopier.
- 04. Literature a must:** All the quotations must be supported by technical leaflet/literature and the specifications mentioned in the quotation must be reflected/ supported by such technical leaflet/ literature. The model and specifications quoted should **invariably be highlighted** in the leaflet/literature for easy reference.
- 05. After Sales Service:** In case of imported goods, bidders should clearly state the detail address, contact number and email ids of 'after sales service centre' in Guwahati, India in Bidder's Details under Statutory Cover as at Annexure-IV without which their offers shall be liable for rejection. Service against any complaint must be provided within 12 hours
- 06. Dealership Certificate:** Dealers or Agents quoting on behalf of Manufacturer must be uploaded valid dealership certificate.
- 07. Quality Certificates:** Valid certificate to prove that the products are genuine and of International standard, as mentioned below, must be uploaded: (a) Manufacturer's certificate; (b) ISO/ISI certificate.
- 08. Earnest Money:** An Earnest Money Deposit (**EMD**) for Rs. 30,000.00 (Rupees thirty thousand) in the form of Bank Guarantee as **Annexure-V OR** an Account payee Demand Draft **OR** Fixed Deposit Receipt from a Commercial bank in favor of the Registrar, IIT Guwahati, Guwahati-781039, will have to be submitted to the Deputy Registrar, Store & Purchase Section, IIT Guwahati, Guwahati 781039 (Scan copy of EMD should be uploaded in the Fee/Technical cover). For items treated as part of the same unit the total values of all items taken together will be treated as the value for EMD amount. Offers received without Earnest Money or valid Certificate shall be summarily rejected.
- EMD of unsuccessful bidder will be returned within one month of placement of Purchase Order. In case of the successful bidder the EMD will be returned on receipt of the PBG.
- If exemption is sought from production of EMD, the same should clearly be mentioned indicating the clause under which exemption is sought. EMD is exempted under the following conditions:
- (i) If the quoted value is less than Rs.5 Lakhs.
 - (ii) Firms which are specifically registered for the required items with DGS&D or with NSIC Copy of valid registration must be uploaded in place of EMD document.
 - (iii) Vendors have successfully executed two Purchase Orders in the last three Financial Years in IIT Guwahati, copies of the PO must be uploaded in place of EMD document.
- 09. Performance Bank Guarantee**
- If PO value is above Rs.5 Lakhs, the successful bidder, to whom the PO is placed, shall furnish an unconditional Performance Bank Guarantee from a scheduled Bank of India, for 10% of the Purchase Order value, within 21 days of placement of order. The format for PBG, unless otherwise approved by the competent authority, shall be as per the format enclosed at **ANNEXURE-IV**. In case of foreign purchase, the local Agent shall submit the PBG. Where the PBG is to be necessarily given by a foreign bank it shall be endorsed by its counterpart in India. Validity of the PBG, which shall be effective from the date mentioned therein, shall be **warranty period + 2 months**.
- In exceptional case or on the request of the Indenting Officer competent authority may allow starting of PBG Period from the date of installation, in which case submission of PBG valid for *warranty period + 2 months* may be made within 21 days from the date of installation.
- (i) By submitting the PBG, the vendor is understood to have guaranteed that,**
- (a) The Purchase Order (PO) shall be executed as per terms and conditions mentioned therein.
 - (b) The equipment shall function satisfactorily for a period up to 60 days after the warranty period.
 - (c) The equipment and components are free from poor workmanship, bad quality, and faulty designs.
 - (d) The vendor shall at his/their own cost rectify/replace the defects, if any, during the guarantee period.
 - (e) The guarantee is to the extent of 10% of the order value.

(ii) Condition for invoking PBG: **In case of failure to comply with the guarantees above, IITG may terminate the contract / purchase order in whole or in part and forfeit the PBG. In addition, IITG may, at its discretion, procure upon such terms and in such manner as it deems appropriate, goods similar to the undelivered items/products and the defaulting supplier/vendor shall be liable to compensate IITG for any extra expenditure involved."**

10. Delivery:

- a) **Time Limit:** Maximum within 45 days from the date of issue of purchase order in case of indigenous items and 90 days for imported items.
- b) **Safe Delivery:** All aspects of safe delivery shall be the exclusive responsibility of the vendor. At the destination site, the package will be opened only in the presence of IIT user/representative and vendor's representative. The intact condition of the package and the seal/indicators for not being tampered with shall form the basis for certifying the receipt in good condition.
- c) **Insurance:** The supplier is to establish 'All Risk Transit Insurance' coverage till door delivery at IIT **Guwahati**.
- d) **Part Delivery:** Part delivery is not allowed.
- e) **Penalty Delay Delivery:** The date of delivery should be strictly adhered to otherwise the Director, IITG reserves the right not to accept delivery in part or full.

11. Genuine Pricing: Vendor is to ensure that quoted price is not more than the price offered to any other customer in India to whom this particular item has been sold, particularly to IIT/Institutes and other Government Organization. Copy of the latest price list for the quoted item, applicable in India, must be uploaded with the offer.

12. Conditional tenders not acceptable:

All the terms and conditions mentioned herein must be strictly adhered to by all the vendors. Conditional tenders shall not be accepted on any ground and shall be rejected straightway. Printed conditions mentioned in the tender bids submitted by vendors will not be binding on IITG.

13. GST Inward Permit & Entry Tax:

- (a) **GST Inward Permit:** GST Inward Permits (Way bills) shall be issued as applicable for delivery of materials against receipt of Final Invoice/ Bill.
- (b) **Entry Tax:** Assam Govt. Entry Tax [to be paid by IIT Guwahati, not by the vendor], wherever applicable, will be added while evaluating cost status of the concerned equipment to be supplied by vendors from outside the State of Assam.

14. GST:

- (a) Up-to-date Sales Tax clearance certificate, GST Registration Certificate indicating also the GSTIN number of the firm must be clearly mentioned in the quotation, Certificates must be uploaded.
- (b) GST Deduction at source as per Order/notification of the Govt. of India will be applicable.
- (c) GST No of IIT Guwahati is 18AAAJI0130P1Z8
- (d) HSN/SAC No of the items must be clearly mentioned in the quotation along with GST No.

15. Late and delayed tender : Late and delayed tender will not be considered.

16. Payment to Local supplier:

- (i) 100% Payment within 45 days from the date of successful delivery, installation and commissioning/ acceptance of goods at IIT Guwahati, generally through RTGS / NEFT
OR
- (ii) 90% Payment against delivery and 10% payment after successful installation and/ or commissioning of the ordered goods at site.

Please note as per Institute's norm advance payment is not allowed for indigenous purchase.

17. PENALTY FOR DELAYED DELIVERY:

The date of delivery should be strictly adhered to. In the event of delayed delivery, installation & commissioning, the vendor shall be liable for a penalty deduction at a percentage of the value of the undelivered equipment subject to a maximum of 10% (ten percent) as detailed below:

- @1% up to one week;
- @2.5% up to two weeks;
- @5% up to three weeks;
- @10% for four weeks and above

For the purpose of this clause, part of the week is considered as a full week. In case of delayed delivery, the Director, IIT Guwahati reserves the right not to accept the subject consignment.

18. Enquiry during the course of evaluation not allowed: No enquiry shall be made by the bidder(s) during the course of evaluation of the tender till final decision is conveyed to the successful bidder(s). However, the Purchase Committee or its authorized representative (IIT Guwahati) can make any enquiry/seek clarification from the bidders. In such a situation, the agency shall extend full co-operation. The bidders may also be asked to arrange demonstration of the offered items, in a short period notice, as such the bidders have to be ready for the same.

19. Acceptance of quotations: The acceptance of the quotation will rest solely with the Director, IITG, who in the interest of the Institute is not bound to accept the lowest quotation and reserves the right to himself to reject or partially accept any or all the quotations received without assigning any reasons.

20. Force Majeure:

If the performance of the obligation of either party is rendered commercially impossible by any of the events hereafter mentioned that party shall be under no obligation to perform the agreement under order after giving notice of 15 days from the date of such an event in writing to the other party, and the events referred to are as follows:

- I) any law, statute or ordinance, order action or regulations of the Government of India,
- II) Any kind of natural disaster, and
- III) Strikes acts of the Public enemy, war, insurrections, riots, lockouts, sabotage.

21. Termination for default: Default is said to have occurred

- (a) If the equipment or any of its component is found having poor workmanship, faulty designs, poor performance and bad quality of materials used.
- (b) If the supplier fails to deliver any or all of the services within the time period(s) specified in the purchase order or any extension thereof granted by IIT.
- (c) If the supplier fails to perform any other obligation(s) under the contract.
- (d) Under the above circumstances IIT may terminate the contract / purchase order in whole or in part and forfeit the EMD/PBG as applicable. In addition to above, IIT may at its discretion also take the following actions: IIT may procure, upon such terms and in such manner, as it deems appropriate, goods similar to the undelivered items/products and the defaulting supplier shall be liable to compensate IIT for any extra expenditure involved towards goods and services obtained. Besides, the Director, IITG, reserves the right to impose any other form of penalty as deemed fit including blacklisting of the vendor.

22. Applicable Law:

- (a) The contract shall be governed by the laws and procedures established by Govt. of India and subject to exclusive jurisdiction of Competent Court and Forum in Guwahati or India only.
- (b) Any dispute arising out of this purchase shall be referred to the Director IIT Guwahati, and if either of the parties hereto is dissatisfied with the decision, the dispute shall be referred to the decision of an Arbitrator, who should be acceptable to both the parties, to be appointed by the Director of the Institute. The decision of such Arbitrator shall be final and binding on both the parties.

23. ADDITIONAL TERMS FOR IMPORTED GOODS

Following terms besides the aforementioned terms (1 to 22 except 16) will be applicable in case of foreign supply:

- a) **Rates:** Rates quoted should be on **DELIVERED DUTY PAID (DDP)** basis, with break-ups as per details given in the **BOQ**. Failing to provide as per BOQ, quotation may not be accepted.
- b) **Exchange rate:** Rate of foreign exchange shall be the rate prevailing on the date of quotation opening.
- c) **Delivery:** : Maximum within 90 days from the date of issue of purchase order.
 - (i) Door Delivery at IIT Guwahati.
 - (ii) While transshipment will be allowed, part shipment will not be allowed.
- d) **Payment:**
 - (i) **Above INR 5 Lacs by Letter of Credit (LOC):** By an irrevocable letter of Credit at DDP IITG value negotiable through any overseas branch of ICICI Bank with unrestricted provision. 90% of payment will be released on receipt of the shipping document and balance 10% after receipt of consignment. LOC will be established on receipt of Order acknowledgment and Performance Bank Guarantee (PBG)
 - (ii) **Below INR 5 Lacs by Foreign Demand Draft (FDD)/Wire Transfer as given below:** 100% payment will be released against receipt of Order Acknowledgment and Proforma Invoice
- e) **Agency Commission:** The percentage of ex-works value to be paid to Indian agent in equivalent Indian currency as agency commission as applicable will have to be clearly stated in the quotation.

- f) Country of Origin:** While Country of Origin will have to be stated in the Original Invoice for payment through LoC.
- g) LoC Amendment:** LoC/FDD amendment charges due to mistake on the part of the supplier, if any, will have to be borne by the supplier.

Enclosed: ANNEXURES I(A,B,C,D,andE), II, III, IV, V and VI

(Kuntal Bhuyan)
Joint Registrar (S&P)

ANNEXURE -IA
Technical Specification

NIQ ref: IITG/SNP/E-Pub/WKS-103/2020-21

Item's Name: Vertical Knee Type Milling Machine

Qty: 01 (One)

Table Size	1320 x 320 mm or more
No. of T-Slot	5
Width of T-Slot	14 mm
Center Distance of T-Slot	63 mm
Max. Load on Table	300Kg. or more
Longitudinal Table Travel – Manual & Auto	1000 mm or more
Cross Table Travel – Manual & Auto	300 mm or more
Vertical Table Travel – Manual & Auto	400 mm or more
Spindle Taper	ISO-50
Swivel Angle of Vertical Head	±35° Degree or more
Spindle Quill Travel	70 mm or more
Number of Spindle Speed	12 Speed or more
Range of Spindle Speed	58 – 1700 rpm
Distance from Spindle Axis to Column Surface	360 mm
Distance from Spindle Nose to Table Surface	35 – 435 mm
Number of Longitudinal Auto Feed	8
Range of Longitudinal Auto Feed	20 – 360 mm/min.
Number of Cross Auto Feed	8
Range of Cross Auto Feed	20 – 360 mm/min.
Number of Vertical Auto Feed	1
Range of Vertical Auto Feed	400 mm/min.
Longitudinal Rapid Speed	1200 mm/min.
Cross Rapid Speed	1200 mm/min.
Vertical Rapid Speed	400 mm/min.
Main Motor Power	4.0 kW or more
Longitudinal & Cross Auto Feed Motor Power	0.55 kW or more
Vertical Knee Motor Power	0.75 kW or more
Coolant Motor Power	0.09 kW or more
Overall Dimension	2000 mm X 1800 mm X 2250 mm
Machine Weight (Approximately)	2300 kg
Special Features:	
Machine Table Hardened & Ground	All Geared Driven Machine
Gears should be Induction hardened & Ground	Separate Motor for Table Longitudinal & Cross Travel
Separate Motor for Vertical Table Travel	Rectangular Guide Way for High Stability
Manufacturer's ISO certification is mandatory	The machine should be delivered, installed and commissioned at IIT Guwahati.
Warranty: One year after installation	
Mandatory Accessories	
3-Axis DRO Fitted in Electric Control Panel	Should be Equipped with Coolant System
Machine Lamp	Manual Lubrication system with attached Pump
ISO 40 collet adapter with key	Collet set 12 pieces (4 mm to 25 mm)
Extra accessories with price lists should be mentioned separately.	

NB: {For any query related to specification of the item, vendors are requested to Contact Dr. Manas Das at 0361-258 3427 or email at manasd@iitg.ac.in}

ANNEXURE –IB
Technical Specification

NIQ ref: IITG/SNP/E-Pub/MATH-145/2020-21

Item's Name: Upgradation/Buyback of Kyocera Taskalfa 3550ci MFP to A3 Monochrome Multifunctional Printer

Qty: 01 (One)

Technology	Monochrome Laser
Interface	USB, Gigabit Ethernet
RAM	4GB or higher
Hard Disk	250GB Or Higher
Control panel	User friendly color touch screen
Monthly Duty Cycle	Minimum 1,00,000 pages
Resolution	Scan (600x600)dpi, Print (1800x600)dpi
Management	HTTP interface for status and administration
Copier Specification	
Color/Monochrome	Monochrome only
Speed	95 pages per minutes or higher on A4
Simplex/Duplex	Automatic single pass duplex
Scanner Specification	
Feeder	Automatic Document feeder
Simplex/Duplex	Single pass duplex
Output	Scan to PDF, Email, FTP, USB drive, document box
Color/Monochrome	Color
Speed	95 ipm simplex, 190 ipm duplex or higher on A4
File types supported	JPEG, PDF, Searchable PDF
Printer Specification	
Printing interface	Direct printing from USB disk, Ethernet and Document box
Color/Monochrome	Monochrome only
Simplex/Duplex	Automatic single pass duplex
Speed	95 pages per minutes or higher on A4
Paper Handling	
Minimum Size	A5
Maximum Size	A3
Thickness	60gsm – 216gsm
Types	Bond, Glossy, plain, preprinted, label, letterhead
Trays	
Number of input trays	Minimum 2 standard and 1 multipurpose tray
Input Tray Capacity	Total 3500 sheets or higher
Accessories	
Staple	Upper Left, middle of page
Booklet	Booklet maker with saddle stitcher
Finisher	Minimum 3000 sheet stacking capacity with half fold and tri fold
Voltage Stabilizer	5KVA voltage stabilizer

OS Support	
Microsoft	Windows 10 with support for all accessories
Linux	PPD for cups printing with support for all accessories
Mobile connectivity	Android, iOS
Support after sales	
Warranty	Minimum 1 year
Total comprehensive service (TCS) including spare parts and toner in terms of Per page cost (both A4 and A3)	Please mention
Minimum years of support with Total comprehensive service (TCS)	Please mention
Maximum time to resolve problem (mainly if spare parts are required)	Please mention

NB: {For any query related to specification of the item, vendors are requested to Contact Mr. Santanu Majumdar at 0361-258 2647 or email at s.majumdar@iitg.ac.in}

ANNEXURE -IC
Technical Specification

NIQ ref: IITG/SNP/E-Pub/CSE-115/2020-21

Item's Name: Upgradation of Photocopier (Buyback basis)

Qty: 01 (One)

Description
<p><i>Photocopier New (Upgraded to):</i> <i>Processor : Intel® Atom™ Quad Core 1.91 GHz/2 MB Cache or higher Memory : 8GB</i> <i>Hard Disk : 250GB or higher</i> <i>Warm up time: As fast as 92 seconds (from OFF), As fast as 6.2 seconds (Recovery from Sleep), As fast as 2 seconds (Recovery from Low Power), Wireless Kit or better</i> <i>Interfaces: 10/100/1000Base-T Ethernet, High-Speed USB 2.0. USB direct print</i> <i>Drum Life: Minimum 125000 pages, Machine Life : Minimum 2300000 copies, Monthly Duty Cycle : minimum 110,000 pages</i> <i>Duplex : RADF (Single-Pass Automatic Duplex Scanning), Capacity : min 125 sheets; Speed: min 135 ipm</i> <i>Paper Capacity : 4 x 520 sheet, 1 x 100 Sheet (MP), Total = 2180 Sheets</i> <i>Paper Sizes : 3.5 x 3.9 in. to 12.6 x 19 in.</i> <i>Paper Weights: min 50 to 300 gsm</i> <i>Printing Emulation: Adobe® PostScript® 3™, Adobe PDF version 1.7, PCL® 5c/PCL 6, XPS</i> <i>Tray: Minimum 4 number</i> <i>Print Mode: Color & Mono</i> <i>Media Type : Bond, Card Stock, Card Stock Reloaded, Custom, Envelopes, Glossy Card Stock, Glossy Card Stock Reloaded, Heavyweight Card Stock, Heavyweight Card Stock Reloaded, Heavyweight Glossy Card Stock, Heavyweight Glossy Card Stock Reloaded, Hole punched, Labels, Letterhead, Lightweight, Lightweight, Cardstock, Lightweight Card Stock, Reloaded, Lightweight, Glossy Card Stock, Lightweight Glossy Card Stock Reloaded, Plain, Plain-Reloaded, Preprinted, Recycled, Transparencies</i> <i>Supported Protocol : TCP/IP: HTTP/HTTPS, Internet Printing Protocol,, LPR/LPD, RawSocket Printing/Port 9100, IPv4/IPv6, WSD, Microsoft Windows Networking over IP, Bonjour® / AirPrint®, IPv6, Secure FTP, DHCP,SNMP, WINS, SLP® v2, HTTP, HTTPS, DHCP Autonet, TLS, NTP, MDNS17 OR Enhanced</i> <i>Copy Speed: 35 CPM Color / B&W OR Enhanced</i> <i>Copy Resolution: 600 x 600 dpi or better</i> <i>Scan Mode : B&W / Color</i> <i>Scan Format : PDF, PDF/A, XPS, JPEG, TIFF, Searchable PDF, Single/Multi-Page PDF / XPS / TIFF, Password Protected PDF, Optical Character Recognition (OCR)</i> <i>Resolution : 72 x 72 dpi to 600 x 600 dpi</i> <i>Standard Facility :</i> <i>Job Separator (Dual Offset Catch Tray) should be available</i> <i>Finisher (Stapling) Office Finisher LX, Booklet Unit for Office Finisher(advanced finishing with the capability to create min 64-page saddle-stitched booklets (2 to 16 sheets).</i> <i>, Booklet creaser (for LX Finisher), Book Folding, Paper Feeder</i> <i>Hole Punch 2/4 hole (for LX Finisher), Automatic Sorting, 12 x 18 Paper Printing, XPS Printing</i> <i>Operating System Supported : Microsoft® Windows® XP SP3 (32- and 64-bit), Windows Server 2003 SP2 R2 (32- and 64-bit), Windows Server 2008 and R2 (32- and 64-bit), Windows Server 2012 and R2 (64-bit), Windows Vista SP2 (32- and 64-bit), Windows 7 (32- and 64-bit), Windows 8 (32- and 64-bit), Windows8.1 (32- and 64-bit), Windows 10 (32- and 64-bit), Mac OS 10.8, 10.9,10.10,</i></p>

10.1, Latest variant of Linux like Linux® Redhat® Fedora® Core 20 x86, Ubuntu®, openSUSE®
Accessories : Driver CD, Power Cable, USB Cable, Manual

Document Security: Common Criteria Certification (ISO 15408), Encrypted Secure Print, FIPS
Encrypted Print Drivers

Embedded Web Server: Inbuilt Web-service facility.

Certification : **Energy Star, EPAT,** Microsoft® Certification, Apple® AirPrint, Cerner
Certification,

Warranty : 3 years onsite warranty

After sale Service or Service maintenance agreement :

The machine should have facility of full comprehensive onsite maintenance service agreement with
per page cost basis. Vendor must give separate rate for

i. Color A4 & A3 ii. B&W A4 & A3.

The Vendor/OEM must declare assurance for continuation of the same minimum up-to 6year after
date of sales.

Weightage against the quoted rate for “Per Page Cost basis full comprehensive AMC “will counted
while evaluating the procurement of the machine.

OLD Photocopier (Upgraded from) :

Digital Multifunctional Copier cum Scanner Make: Cannon Model: IR-2320L

Essentials :

- The OEM / Vendor must be ISO-14001 & ISO 9001 Certified
- In case of vendor quoting items from an OEM, authorized letter must be given in original seal and signed, sealed in an envelope with the quote (In case of shortfall of time – OEM Must mail to hodcse@iitg.ernet.in & hossnp@iitg.ernet.in with deceleration of attainment of hardcopy within the opening date of technical bid) along with full assurance of back to back service & support at least for the complete warranty period (3/5 years).
- The Vendor/OEM must have local contact / service center (Office/Dealers etc.) and Locals office at least for last three years situated in Guwahati .
- The Vendor must have local contact / service center (Office/Dealers etc.) situated at nearest City for at least three years and OEM must have local support center in eastern part of India. The same must have a well-trained team of Service personals.
- The Vendor / OEM should have experiences of successful execution of the same level (Quoted / Similar items).
- The Vendor/ Company should submit the self-attached copy of valid registration number of the firm/agency.
- Industry standard support: User-selectable power cap (subsystems throttle to maintain the specified power cap), ACPI 3.0 Compliant, , PXE and WOL Support, IPv4 and IPv6 support
- All the drivers/support for the quoted items should be readily available it the OEM-WEB site for download..
- The bidder must submit the technical compliance sheet/report/ OEM datasheet (highlighting the offered specification with clear indication of Make & Model) as per the technical requirements/features; stating deviations if any.
- The bidder must furnish proper OEM - BOM
- ***Single OEM single Bidder participation preferred***
- *Documentary evidence in support of all above points must be provided.
- The delivery of items should be straight way to the site of installation (Dept. of CSE, IIT-G) from the source of OEM production.
- ***OEM or Vendor with previous poor service records and fraudulent history won't be accepted.***

Preferred OEM : Xerox, Canon Inc. , Ricoh, HP, Toshiba, Konica Minolta.

In case of request for corrigendum in the NIQ, please mail to hodcse@iitg.ac.in / rpathak@iitg.ac.in within 7 days of publication of the same.

ANNEXURE -ID
Technical Specification

NIQ ref: IITG/SNP/E-Pub/CSE-117/2020-21
Item's Name: Outdoor Bullet Camera Etc.

Sl.No.	Description	Qty.
01	<p><u>32 Channel NVR with 8 SATA interface for 8 HDD(Hot Swappable)</u> { IP video : input32-ch ,Up to 12 MP resolution Two-way audio : 1-ch, RCA (2.0 Vp-p, 1 k Ω) Incoming bandwidth : 320 Mbps 320 Mbps or 200 Mbps (when RAID is enabled) Outgoing bandwidth 256 Mbps, or 200 Mbps (when RAID is enabled) Remote connection 128 Recording resolution 12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/ VGA/4CIF/DCIF/2CIF/CIF/QCIF CVBS output (Optional) 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480 VGA1 /HDMI1 output resolution HDMI1: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA1: 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2 /HDMI2 output resolution 1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz Audio output 2-ch, RCA (2.0Vp-p, 1 KΩ) Decoding format H.265+/H.265/H.264/H.264+/MPEG4 Live view/Playback resolution: 12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/ 720p/ VGA/4CIF /DCIF/2CIF/CIF/QCIF Synchronous playback 8-ch 16-ch Capability : 12-ch @ 12 MP (20fps) / 4-ch @ 8 MP (25fps) / 8-ch @ 4MP (30fps) / 16- ch @1080p (30fps) Network management: Network protocols : TCP/IP, DHCP, Cloud P2P, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI,UPnP™, HTTPS Hard disk - SATA 8 SATA interfaces for 8HDDs, eSATA 1 eSATA interface, Capacity Up to 6TB capacity for each HDD External interface:- Network interface 2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface Serial interface RS-232; RS-485; Keyboard USB interface Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0 Alarm in/out 16/4 Power supply : 100 to 240 VAC, 50 to 60 Hz Max. Power 200 W Consumption (without HDD)≤ 30 W Working temperature -10 to +55 °C (+14 to +131° F) Working humidity 10% to 90% Chassis 19-inch rack-mounted 2U chassis } OR Higher / Equivalent (with documented proper justification)</p>	01
02	HDD: 8 TB Surveillance HDD, Disk Speed: 5400 rpm. Or Higher	06
03	<p><u>Outdoor Bullet Camera</u> : 4 MP IR Varifocal Bullet Network Camera _____ { Image Sensor 1/3" Progressive Scan CMOS Min. Illumination Color: 0.01 Lux @ (F1.2, AGC ON), 0.018 Lux @ (F1.6, AGC ON), 0 Lux with IR</p>	06

<p>Shutter Speed 1/3 s to 1/100,000 s, Slow Shutter , Day & Night: IR Cut Filter Digital Noise Reduction 3D DNRWDR 120dB, 3-Axis Adjustment Pan: 0°to 360°, tilt: 0°to 90°, rotate: 0°to 360°, Lens: Focal length 2.7 to 13.5 mm, Aperture F1.6, Focus: Auto FOV Horizontal FOV: 106° to 27°, vertical FOV: 56° to 16°, diagonal FOV: 128° to 31° Lens Mount Φ14, IR Range Up to 60 m, Wavelength: 850nm Video Compression : Main stream: H.265/H.264, Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264 H.264 Type- Main Profile/High Profile, H.264+ Main stream supports, H.265 Type Main Profile, H.265+ Main stream supports Video Bit Rate 256 Kbps to 16 Mbps Audio Compression G.711/G.722.1/G.726/MP2L2/PCM Audio BitRate 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2) Behavior Analysis : Line crossing detection, intrusion detection, unattended baggage detection, object removal detection, Exception Detection Scene change detection, audio exception detection, Face Detection , Region of Interest 1 fixed region for main stream and sub-stream Image:: Max. Resolution 2688 × 1520, Main Stream 50Hz:25fps (2688 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080)60Hz: 30fps (2688 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080), Sub-Stream50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240), Third Stream 50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288)60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240) Image Enhancement BLC/3D DNR/HLC Image Setting: Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser Day/Night Switch: Day/Night/Auto/Schedule/Triggered by alarm in Network Network Storage Support: Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR Alarm Trigger : Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error Protocols : TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour General Function : One-key reset, anti-flicker, three streams, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter API ONVIF (PROFILE S, PROFILE G), ISAPI Simultaneous Live View Up to 6 channels User/Host Up to 32 users 3 levels: Administrator, Operator and User Client iVMS-4200, , iVMS-5200, iVMS-4500 Web Browser IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+ Interface: Audio 1 input (line in/mic.in, 3.5 mm), 1 output (line out, 3.5 mm), mono sound Communication Interface : 1 RJ45 10M/100M self-adaptive Ethernet port Alarm 1 input, 1 output (max. 12 VDC, 30 mA), terminal block Video Output: 1Vp-p composite output(75Ω/BNC) (For adjustment only) On-board storage: Built-in Micro SD/SDHC/SDXC slot, up to 128 GB Reset Button , Environment Noise Filtering Audio Sampling Rate 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz Operating Conditions: -30 °C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing) Power Supply : 12 VDC ± 25%, terminal block, PoE (802.3at, class 4) Power Consumption and current: 12 VDC, 1.2A, max. 14.5W PoE : (802.3at, 42.5V to 57V), 0.43A to 0.3A, max. 18W Protection Level: IP67, IK10TVS 2000V Lightning Protection, Surge Protection and Voltage Transient Protection</p>
--

	<p>Material: Metal }</p> <p>OR Higher / Equivalent (with documented proper justification)</p>	
04	<p><u>Indoor Dome Network Camera</u> {</p> <p>Image Sensor 1/3" Progressive Scan CMOS Min. Illumination Color: 0.01 Lux @ (F1.2, AGC ON), 0.018 Lux @ (F1.6, AGC ON), 0 Lux with IR Shutter Speed 1/3 s to 1/100,000 s Slow Shutter Yes Day & Night IR Cut Filter Digital Noise Reduction 3D DNRWDR 120dB 3-Axis Adjustment Pan: 0°to 355°, tilt: 0°to 75°, rotate: 0°to 355° Lens- Focal length 2.7 to 13.5 mm, Aperture F1.6, Focus Auto FOV Horizontal FOV: 106° to 27°, vertical FOV: 56° to 16°, diagonal FOV: 128° to 31°, Lens Mount Φ14 IR Range Up to 40 m, Wavelength 850nm Video Compression Main stream: H.265/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, H.264 Type Main Profile/High Profile, H.264+ Main stream supports H.265 Type Main Profile, H.265+ Main stream supports Video Bit Rate 256 Kbps to 16 Mbps Audio Compression G.711/G.722.1/G.726/MP2L2/PCM Audio Bit Rate 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2) Smart Feature-set Behavior Analysis Line crossing detection, intrusion detection, unattended baggage detection, object removal detection Exception Detection Scene change detection, audio exception detection Face Detection Yes Region of Interest 1 fixed region for main stream and sub-stream Image Max. Resolution 2688 × 1520 Main Stream 50Hz:25fps (2688 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080) 60Hz: 30fps (2688 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080) Sub-Stream 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240) Third Stream 50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288) 60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240) Image Enhancement BLC/3D DNR/HLC Image Setting Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser Target Cropping No Day/Night Switch Day/Night/Auto/Schedule/Triggered by alarm in Network Network Storage Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR Alarm Trigger Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error Protocols TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour</p>	16

	<p>General Function One-key reset, anti-flicker, three streams, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter Firmware Version V5.5.60 API ONVIF (PROFILE S, PROFILE G), ISAPI Simultaneous Live View Up to 6 channels User/Host Up to 32 users 3 levels: Administrator, Operator and User Client iVMS-4200, Connect, iVMS-5200, iVMS-4500 Web Browser IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+ Interface Audio 1 input (line in/mic.in, 3.5 mm), 1 output (line out, 3.5 mm), mono sound Communication Interface 1 RJ45 10M/100M self-adaptive Ethernet port Alarm 1 input, 1 output (max. 12 VDC, 30 mA), terminal block Video Output 1Vp-p Composite Output(75Ω/BNC) (For adjustment only) On-board storage Built-in Micro SD/SDHC/SDXC slot, up to 128 GB Reset Button Yes Audio Environment Noise Filtering Yes Audio Sampling Rate 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz General Operating Conditions -30 °C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing) Power Supply 12 VDC ± 25%, terminal block PoE (802.3af, class 3) Power Consumption and Current 12 VDC, 0.8A, max. 10W PoE (802.3af, 37V to 57V), 0.35A to 0.2A, max. 12W Protection Level IP67, IK10 Material Metal }</p> <p>OR Higher / Equivalent (with documented proper justification)</p>	
05	<p>4 MP IP Dome Wide Angle Dome Network Camera {Image Sensor 1/3" Progressive Scan CMOS Min. Illumination 0.05Lux @ (F1.2, AGC ON) in the color mode and 0.01Lux @ (F1.2, AGC ON) in B/W mode, 0 Lux with IR Shutter Speed 0.028Lux 1/3 s to 1/10,000 s @ (F2.0, AGC ON) ,0 Lux with IR Lens 2.7mm, 4mm, 6mm @ F2.0 angle of view: 106°(2.7mm), 83°(4mm), 55.4°(6mm) Lens Mount M12 Day &Night IR cut filter with auto switch DNR 3D DNR White Balance Automatic/Manual Wide Dynamic Range 120dB P&T rotation Pan: 0° ~ 355°, Tilt: 0° ~ 75°, Rotation: 0° ~ 355° Compression Standard Video Compression H.264 / MJPEG/H.264+ H.264 Type Main Profile Video Bit Rate 32 Kbps ~ 16 Mbps Dual streams Support Image Max. Resolution 2688×1520 Max Frame Rate 60Hz: Main stream:20fps(2688×1520), 25fps (2048x1536), 30fps(1920×1080), 30fps (1280x960), 30fps(1280×720),Sub stream: 30fps(352×240),30fps(704×480) Image Setting Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by</p>	09

	<p>client software or web browser and AGC BLC Support, zone configurable ROI Codec Support Network Network Storage NAS (Support NFS,SMB/CIFS), ANR Detection Intrusion detection, Line crossing detection, Motion detection, Dynamic analysis Alarm Trigger Tampering alarm, Network disconnect, IP address conflict, Storage exception Protocols IPV4 and IPV6, TCP/IP, UDP, ICMP, HTTP, HTTPS, SSL, DHCP, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour, ARP General Function Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, Anonymous access, log access of the user, 10 simultaneous connection. Standard ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI Interface Communication Interface 1 RJ45 10M/100M Ethernet port, Base T On-board storage Built-in Micro SD/SDHC/SDXC slot, up to 128GB Alarm interface 1x alarm I/O *only for –S models Audio interface 1x audio I/O *only for –S models Reset Yes Wi-Fi * only for –W models Wireless Standards IEEE802.11b, 802.11g, 802.11n Frequency Range 2.4 GHz ~ 2.4835 GHz Channel Bandwidth 20/40MHz Support Protocols 802.11b: CCK, QPSK, BPSK, 802.11g/n: OFDM Security 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS Transfer Rates 11b: 11Mbps, 11g: 54Mbps, 11n: up to 150Mbps Wireless Range 50 meters *The performance varies based on actual environment. General Operating Conditions -30 °C – 60 °C (-22 °F – 140 °F), Humidity 95% or less (non-condensing) Power Supply DC12V ± 25%, PoE (802.3af Class3) Power Consumption Max. 4W with the IR in ON Max. 9W with pan and tilt Warranty The device has 36 months of the warranty IR Range Approx. 30 meters Material DS-2CD2142FWD-I, DS-2CD2142FWD-IS : Base&Top Cover: Metal DS-2CD2142FWD-IW, DS-2CD2142FWD-IWS: Base: Metal; Front Cover: Plastic Ingress Protection IP67 Impact Protection IK10 }</p> <p>OR Higher / Equivalent (with documented proper justification)</p>	
06	<p><u>MP 25X IR Network Dome Camera</u> { Lens FOV Horizontal field of view: 59.5° to 2.6° (Wide-Tele),Vertical field of view: 35.7° to 1.5° (Wide-Tele),Diagonal field of view: 66.6 to 3.0° (Wide-Tele) Zoom Speed:Approx. 3.6 s (optical lens, wide-tele) Working Distance :10 mm to 1500 mm (wide-tele) Aperture Range: F1.6 to F3.5, Focal Length:4.8 mm to 120 mm, 25× optical zoom Image Enhancement :HLC/BLC/3D DNR/Defog/EIS/Regional Exposure/Regional Focus, Sub-Stream : 50Hz: 25fps (704 × 576, 640 × 480, 352 × 288),60Hz: 30fps (704 × 480, 640 × 480, 352 × 240), Resolution 2560 × 1440, Main Stream:</p>	01

<p>50Hz: 25fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720),50fps (1920 × 1080, 1280 × 960, 1280 × 720),60Hz: 30fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720),60fps (1920 × 1080, 1280 × 960, 1280 × 720)</p> <p>Third Stream: 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288),60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)</p> <p>Network Storage: Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/ CIFS), ANR</p> <p>Protocols: IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour</p> <p>API : Open-ended, support ONVIF, ISAPI, and CGI, support SDK and Third-Party Management Platform</p> <p>Simultaneous Live View: Up to 20 channels, User/Host: Up to 32 users,3 levels: Administrator, Operator and User, Client :iVMS-4200, iVMS-4500, iVMS-5200, Connect</p> <p>Security Measures :User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering</p> <p>Interface :Audio Input-1-ch audio input, Audio Output- 1-ch audio output</p> <p>Network Interface: 1 RJ45 10 M/100 M Ethernet, PoE+ (802.3 at, class4)</p> <p>Compression Standard: H.264+ Support, H.265+ Support, H.264 Type: Baseline Profile/Main Profile/High Profile</p> <p>Video Compression: Main Stream: H.265+/H.265/H.264+/H.264,Sub-stream: H.265/H.264/MJPEG, Third Stream: H.265/H.264/MJPEG</p> <p>H.265 Type :Baseline Profile/Main Profile/High Profile</p> <p>Video Bitrate :32 Kbps to 16384 Kbps</p> <p>Audio Compression:G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM</p> <p>Audio Bitrate :G.711alaw/G.711ulaw: 64 Kbps,G.722.1/G.726: 16 Kbps,MP212/PCM: 32 Kbps/64 Kbps/128 Kbps, SVC Support</p> <p>Image Sensor: 1/2.5" progressive scan CMOS</p> <p>Min. Illumination: Color: 0.005 Lux @(F1.6, AGC ON),B/W: 0.001Lux @(F1.6, AGC ON),0 Lux with IR</p> <p>White Balance: Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp</p> <p>Gain: Auto/Manual, Shutter Time: 50Hz: 1/1 s to 1/30,000 s,60Hz: 1/1 s to 1/30,000 s</p> <p>Day & Night :IR Cut Filter, Digital Zoom: 16×, Privacy Mask: 24 programmable privacy masks, Focus Mode: Auto/Semi-automatic/Manual, WDR: 120 dB WDR (not supported by full frame rate), Supplement Light :IR Distance 100 m, Smart IR Support</p> <p>PTZ : Movement Range (Pan): 360° endless, Pan Speed :Configurable, from 0.1°/s to 80°/s, ,Preset speed: 80°/s, Movement Range (Tilt): From -15° to 90° (auto-flip)</p> <p>Tilt Speed: Configurable, from 0.1°/s to 80°/s,Preset Speed: 80°/s</p> <p>Proportional Zoom :Support, Presets- 300, Patrol Scan:8 patrols, up to 32 presets for each patrol, Pattern Scan:4 pattern scans, record time over 10 minutes for each scan</p> <p>Park Action: Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan, 3D Positioning, PTZ Status Display, Preset Freezing Support</p> <p>Scheduled Task :Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux Output</p> <p>Basic Event Detection: Motion Detection, Video Tampering Detection, Exception</p> <p>Smart Detection: Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Object Removal Detection, Unattended Baggage Detection, Audio Exception Detection</p> <p>Smart Record: ANR (Automatic Network Replenishment), Dual-VCA</p> <p>ROI : Main stream, sub-stream and third stream respectively support four fixed areas.</p> <p>Protection Level :IP66 Standard, TVS 4000V Lightning Protection, Surge Protection and Voltage Transient Protection</p> <p>Power :12 VDC, 2.0 A and PoE (802.3 at), 42.5 to 57 VDC, 0.6 A, class4</p> <p>Max.: 18 W, including max. 7W for IR</p>	
---	--

	Working Temperature -30°C to 65°C (-22°F to 149°F) Working Humidity: ≤ 90% } OR Higher / Equivalent (with documented proper justification)	
07	6U Fully loaded Rack	01
08	CAT6 UTP Cable (Box)	04
09	RJ 45 Connector	01
10	4x4 Camera Mounting Box	01
11	8 Port POE Switch: 9 Network Ports 8, 10/100Mbps RJ45 ports, 1, 100M Ethernet Port Network Protocol IEEE802.3, 802.3u, 802.3x, 802.3af, 802.3at. 1.8Gbps Switching Capacity, 1.34Mpps Max. Forwarding Rate, 1-2 High Priority Ports, Store-and-forwarding model Power Over Ethernet, IEEE802.3af, IEEE802.3at PoE Standard, 123W PoE Power Budget, Working Mode Extend On: 250m, 10M, CAT 5e, Extend Off: 100m 4k MAC Address Table, IEEE802.3x full duplex Flow Control, Dimension 235mm*103mm*27mm 51V DC, 2.5A Power Supply, 127W Power Consumption, 4KV Surge Protection, 0°-40° Working Temperature, Humidity: 10%-90% , non-condensing	01
12	16Port POE Switch: 16 × 100 Mbps PoE ports, and 2 × 1000 Mbps combos. 8-core power supply. 100 Mbps network access. Up to 250 m transmission distance. IEEE 802.3, IEEE 802.3u and IEEE 802.3x standard.	01
13	55" (24x7)Display: Aspect Ratio: 16 : 9, Panel Type: TN, BLU Type: LED, Brightness: 250 cd/m ² , Contrast Ratio: 1,000 : 1 (Typ), Resolution: 1,920 x 1,080, Color Support: 16,7 M, Energy/Environment Mark: Energy Star 6.0, Power Supply: AC 100 - 240 V (50 / 60 Hz). OR Higher / Equivalent (with documented proper justification)	01
14	Laying of Cable with PVC Pipe & Installation of Camera	01
Essentials :		
<ul style="list-style-type: none"> • The OEM / Vendor must be ISO 9001:2000 and ISO 14001:2004, ISO 270001 also preferred (certificate must be attached)". • All CCTV hardware products (Model wise) offered in the project should be UL, CE, FCC & RoHS certified (certificate must be attached). • OEM for Camera/VMS/NVR/DVR should have its own existence in India (preferably its own registered company under Companies Act in India) • CCTV OEM must have own investment in India via its own existence /sales support/spare support or JV. • OEM for Camera/VMS/NVR shall be a profitable company in last 5 years for two consecutive years. Proof of such document may need be provided while tender submission. • In case of vendor quoting items from an OEM, authorized letter must be given in original seal and signed, sealed in an envelope with the quote (In case of shortfall of time – OEM Must mail to hodcse@iitg.ernet.in & hossnp@iitg.ernet.in with deceleration of attainment of hardcopy within the opening date of technical bid) along with full assurance of back to back service & support at least for the complete warranty period (3years). • The detail bill of material (BOM) from OEM must be provided. • The Vendor must have local contact / service center (Office/Dealers etc.) situated at nearest City for at least three years and OEM must have local support center in eastern part of India. The same must have a well-trained team of Service personals. • The Vendor / OEM should have experiences of successful execution of the same level and category of items (Quoted / Similar items). • The Vendor must provide certified copy of their last year financial turnover. • <u>There is an Existing NVR make/Model: CDS9632NI-18. At least 8 number of quoted camera should comply with the same.</u> • *Documentary evidence in support of all above points must be provided. 		

ANNEXURE –IE
Technical Specification

NIQ ref: IITG/SNP/E-Pub/OF-250/2020-21

Item's Name: Hostel Study Table with one drawer

Quantity: 212 (Two hundred twelve)

Study Table (Size- L 1200 x D 600 x H 750mm

Specifications:

The hostel Study Table is to be fabricated as follows:

1. Overall Size of the Table: Length 1200mm (L) x 600mm (W) x 750mm (H).
2. The Table top will be made out of 18mm thick Pre laminated Particle board of best quality, all the exposed edges to be machine pasted (preferably by Through feed machine) and hot melt glue to avoid any sort of moisture intake with 2mm thick PVC edge banding tapes of best quality like Rehau or equivalent.
3. The frame to hold the top will be made out of 1mm thick CRCA sheet with 30mm height border. The frame to have provision to hold the pipe frame to complete the table.
4. Legs of the Table to be made out of 25x25mm square prime quality hollow pipe of wall thickness of 1.6mm. As per deign.
5. The Footrest or the main stiffener to be made out of 75x25mm prime quality hollow rectangular pipe of wall thickness of 1.6mm.
6. The unit will have one drawer with lock and handle storage unit made out of 0.9mm thick CRCA sheet. The drawer to be fixed with telescopic channel of best quality to take maximum load. The unit will have one modesty panel of height 170mm made out of 0.9mm thick CRCA sheet fixed on top with the table frame and on side with the leg pipes. The drawer unit size will be 400 (L) x 500mm (D) x560mm (H).
7. Flush type Plastic/PVC handle to be provided on the drawer.
8. All the Metal components of the table to be pretreated with 9 tank anti rust phosphoric process and Epoxy Powder coated of 50-60 microns of approved shade by using best quality powder like Asian Paints/Berger/ Nerolac or equivalent.
9. The entire unit will be in knock down pattern and to be installed at site using best quality of hardware's. Good quality Rubber caps to be fixed at the bottom.

Following Certificates/Documents needs to be provided:

1. OHSAS CERTIFICATE
2. GREEN GUARD CERTIFICATE
3. ISO 14001 CERTIFICATE
4. ISO 9001 CERTIFICATE
5. BIFMA LEVEL 3 CERTIFICATE
6. THE VENDOR NEEDS TO PROVIDE ALTEAST THREE PREVIOUS PURSHASE ORDERS COPY WITH ANY IITs.

For any clarifications related to Specifications of the items, vendors are requested to contact Mr. Kaushik Deka at +91 7002085102 or email at kaushik05@iitg.ac.in

Your Ref. No:

ANNEXURE –II**COMPLIANCE CERTIFICATE****Respective NIQ Ref:**

Certify that we have carefully examined the NIQ terms and fully understood its implications and do hereby agree to comply with all the terms, and hereby submit this compliance certificate.

Sl. No.	General Terms and Conditions	Yes / No
01	Details of the technical features of the offered equipment vis-à-vis NIQ specification	
02	Rates quoted as per instruction	
03	Standard Technical literature on each of the items offered	
04	Warranty period agreed	
05	AMC rates provided as instructed	
06	Validity period of quoted rate agreed	
07	EMD submitted (as applicable)	
08	PBG term agreed	
09	Delivery terms agreed	
10	Certificate of Up-to-date Sales Tax clearance, GST Registration Certificate provided	
11	Payment term agreed	
12	Penalty clause for delay agreed	
13	Literature- Printed Literature with highlight and tag on the quoted item provided	
14	Manufacturer/Authorization certificate submitted	
15	Quality certificate as claimed submitted	
16	After Sales Service term agreed and detail address & contact provided	
17	Not blacklisted by any Govt. Organizations/Institutions	

Sign. :.....

Vendor : M/s.....

Official seal of the vendor

Your Ref. No:

ANNEXURE-III
BIDDERS DETAIL

Respective NIQ ref:

Sl. No.	Name of the company/Firm	To be filled by vendor (Documentary Proof must be attached as applicable)
01	Registered office Name & Address Details of contact person Name designation Telephone number e-mail	
02	Name & Address of service centre in Guwahati city Contact person/s Name designation Telephone number e-mail Details with contact no. of staff who will be involved in this project.	
03	Is the company/firm a registered company/firm? If yes, mention year and place of the establishment of the company and submit documentary proof.	
04	Is the company/firm registered for GST? If yes, submit valid registration certificate.	
05	List the major clients with whom your organization has been associated and submit documentary proof/PO.	

Note: Document/s if attached to the NIQ compliance Certificate the same may be referred to in the remark column above

Sign. :.....

Vendor : M/s.....

Official seal of the vendor

ANNEXURE –IV

PERFORMANCE BANK GUARANTEE

To:

The Registrar,
Indian Institute of Technology,
Guwahati- 781 039

WHEREAS (Name of Supplier) hereinafter called "the Supplier" has undertaken, in pursuance of Contract No:, dated: 20... to supply (Description of Goods and Services) hereinafter called "the order".

AND WHEREAS it has been stipulated by you in the said order that the Supplier shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the order.

AND WHEREAS we have agreed to give the Supplier a Guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of (*Amount of the Guarantee in Words and Figures*) and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the order and without cavil or argument, any sum or sums within the limit of (*Amount of Guarantee*) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until theday of 20.....

Signature and Seal of Guarantors

.....
.....
.....
Date.....20....
Address:.....
.....
.....

All correspondence with reference to this guarantee shall be made at the following address:

The Deputy Registrar
Stores and Purchase Section,
Indian Institute of Technology,
Guwahati- 781 039, Assam.

Your Ref. No:

ANNEXURE-V

INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI

BANK GUARANTEE FORM FOR EMD

In consideration of the Registrar (hereinafter called the "Tenderer/Inviting Authority" or "Client") has floated tender/NIQ no. _____ (hereinafter called "said tender"), for Supply and Installation of _____ as per terms and conditions mentioned in the above tender/ NIQ, M/s _____ (hereinafter called "Tenderer") has decided to participate in above tender process and agreed to production of an irrevocable bank guarantee for Rs. _____ (Rupees _____ only) as an Earnest Money Deposit (EMD) towards compliance of its obligations in accordance with the terms and conditions in the said tender.

We _____ (hereafter referred to as the "Bank") hereby undertake following:

1. We undertake to pay to the Client any money so demanded notwithstanding any dispute or disputes raised by the tenderer(s) in any suit or proceeding pending before any Court or Tribunal relating there to, our liability under this present being absolute and unequivocal. The payment so made by us under bond shall be a valid discharge of our liability for payment there under, and the tenderer(s) shall have no claim against us for making such payment.
2. We further agree that the Guarantee herein contained shall (indicate the name of the Bank) remain in full force and effect during the period that would be taken for the performance of the said tender, and it shall continue to be enforceable till all the dues of the Client under or by virtue of the said tender have been fully paid, and its claims satisfied or discharged, or till the Client certifies that the terms & conditions of the said tender have been fully and properly carried out by the said tenderer(s), and accordingly discharges this guarantee.
3. We further agree with the Client that the Client shall have the fullest liberty without our consent, and without effecting in any manner our obligations hereunder, to vary any of the terms & conditions of the said tender or to extend time of performance by the said tenderer(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Client against the said tenderer(s) and to forbear or enforce any of the terms and conditions relating to the said agreement, and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said tenderer(s) or for any forbearance, act of omission on the part of the Client or any indulgence by the Client to the said tenderer(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
4. This Guarantee will not be discharged due to the change in the constitution of the Bank or the tenderer(s).
5. We lastly undertake not to revoke this Guarantee except with the prior consent of the Client in writing.
6. This guarantee shall be valid up to _____ unless extended on demand by the Client Notwithstanding anything mentioned above, our liability against this Guarantee is restricted to Rs. _____ (Rupees _____ only) and unless a claim in writing is lodged with us under this Guarantee shall stand discharged.

(Signature of the authorised officer of the Bank)
Name and designation of the officer
Seal, name & address of the Bank and address of the Branch

CHECK – LIST

S.No.	Department/Section	Item Name	Individual NIQ Ref. No.	Bid Type	Annexure No.
01	Central Workshop (ME)	Vertical Knee Type Milling Machine	IITG/SNP/E-Pub/WKS-103/2020-21	Double	Annexure – IA
02	Mathematics Dept.	Upgradation/Buyback of Multifunction Printer	IITG/SNP/E-Pub/Math-145/2020-21	Double	Annexure – IB
03	Computer Science & Engineering Dept	Photocopier (Buyback basis)	IITG/SNP/E-Pub/CSE-115/2020-21	Double	Annexure – IC
04	Computer Science & Engineering Dept.	Outdoor Bullet Camera Etc.	IITG/SNP/E-Pub/CSE-117/2020-21	Double	Annexure – ID
05	Disang Hostel	Hostel Study Table	IITG/SNP/E-Pub/OF-250/2020-21	Double	Annexure - IE