



Detailed Specification

Enquiry:MM/172/G32759

Contact Details

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Please submit your offer for supply of the following items as per the instructions, technical specifications and other terms and conditions specified herein/ attached.

Note:

1. The delivery period mentioned in the BoQ is our indicative requirement. You may offer your earliest delivery period.

Please refer our above referred enquiry number in all correspondence.

SL No.	Material Code	Detailed Specification/s	Quantity	Unit of Measure
1	607101008	12th Gen Intel Core i5 Desktop computer as per the attached specifications	6	Number
2	607101009	14th Gen Intel Core i7 Desktop computer as per the attached specifications	2	Number
3	607101107	Laser, Monochrome with auto-Duplex Printer as per the attached specifications	2	Number
4	607101111	A3 Multifunction Document-Duplicator — Monochrome Laser with auto- duplex printing, copying, and scanning (as per attached specifications).	1	Number
5	607101114	Multifunction Laser Printer, A4, Monochrome for Print, Scan and Copy as per attached specification.	3	Number
6	607102101	14 inch Medium Configuration Laptop	3	Number
7	607102102	15 inch Medium Configuration Laptop	1	Number

ANNEXURE A

MINIMUM SPECIFICATIONS FOR
HIGH CONFIGURATION DESKTOP COMPUTER SYSTEM

Processor	14 th Gen Intel Core i7 – 14700 or better
Motherboard & Chipset	OEM mother board with original Intel chipset supporting the processor with Discrete TPM2.0
Operating system	Original Windows 11 Pro (64bit) English, Preloaded Factory installed with OEM certification of Genuine OS.
Graphics	Integrated Graphics UHD 770 or better
RAM	1x32 GB DDR5, with additional slot for upgradation to 64GB
Hard disk	1TB PCIe NVMe SSD
Display	LED backlit LCD display unit (IPS) FHD (Resolution of 1920x 1080) of 24" size or higher with HDMI port/ Display port and connector cables and Integrated webcam with mic.
Connectivity	10/100/1000 on board Integrated Gigabit port HDMI & Display port USB 3.0 / USB 2.0 / USB C Audio jacks
Input	Standard keyboard & optical scroll mouse of the same make as PC. Rebranding not allowed
Cabinet	Tower type, with front access USB ports and audio jacks
Power	230V / 50Hz AC power cords, SMPS shall be supporting the mother board and shall have sufficient surge protection
Additional	Any software and tools bundled with the product on offer from the OEM. Drivers and product should be in public domain. All components shall be compatible with each other for the system to be fully functional, meeting the customer's requirement.
Warranty + AMC	5-year comprehensive onsite warranty covering parts, labour and onsite repair. OEM to have dedicated service centres for Desktops in Kerala for the past 5 years.
Make	DELL/ HP / LENOVO / ACER
Sample model	HP400 G9 SFF i7 14700 Win11P 321SSD35 23.8" (Gem portal) See attachment

ANNEXURE B

MINIMUM SPECIFICATIONS FOR
MEDIUM CONFIGURATION DESKTOP COMPUTER SYSTEM

Processor	12 th Gen Intel Core i5 – 12400 or better
Motherboard & Chipset	OEM Mother board with original Intel chipset supporting the processor with Discrete TPM2.0
Operating system	Original Windows 11 Pro (64bit) English, Preloaded Factory installed with OEM certification of Genuine OS.
Graphics	Integrated Graphics UHD 730 or better
RAM	1x16 GB DDR4 or better, with additional slot for upgradation to 32GB
Hard disk	1TB PCIe NVMe SSD
Display	LED backlit LCD display unit (IPS) FHD (Resolution of 1920x 1080) of 23" size or higher with HDMI port/ Display port and connector cables
Connectivity	10/100/1000 on board Integrated Gigabit port HDMI & Display port USB 3.0 / USB 2.0 / USB C Audio jacks
Input	Standard keyboard & optical scroll mouse of the same make as PC Rebranding not allowed
Cabinet	Tower type, with front access USB ports and audio jacks
Power	230V / 50Hz AC power cords, SMPS shall be supporting the mother board and shall have sufficient surge protection
Additional	Any software and tools bundled with the product on offer from the OEM. Drivers and product should be in public domain. All components shall be compatible with each other for the system to be fully functional, meeting the customer's requirement.
Warranty + AMC	5-year comprehensive onsite warranty covering parts, labour and onsite repair. OEM to have dedicated service centres for Desktops in Kerala for the past 5 years.
Make	DELL / HP / LENOVO / ACER
Sample model	HP280 G9 MT i5 12400 Win11P 16115 23.8"(Gem portal) see attachment

ANNEXURE C

MINIMUM SPECIFICATIONS FOR LAPTOP (15")

Processor	13 th Gen Intel Core i5
Operating system	Original Windows 11 Pro (64bit) English, Preloaded Factory installed with OEM certification of Genuine OS confirmed by OEM.
Graphics	Integrated Graphics
RAM	1x16 GB DDR4 or better, upgradable to 32GB
Hard disk	512GB PCIe Gen 4. NVMe SSD
Display	15.6" FHD (1920x1080), IPS, 250 nits, FHD Cam,
Connectivity	10/100/1000 on board Integrated Gigabit port Wifi USB 3.0 / USB 2.0 / USB C Audio jacks, Built in speaker, mic Bluetooth Wireless Card HDMI
Input	Wireless optical scroll mouse of the same make as PC. Rebranding not allowed
Power	230V / 50Hz AC power cords, Battery with express charge and 4 hrs backup time
Additional	Any software and tools bundled with the product on offer from the OEM. Drivers and product should be in public domain. Water resistant carry case to be provided
Warranty + AMC	3-year comprehensive onsite warranty covering parts, labour and onsite repair. OEM to have dedicated service centres for Laptops in Kerala for the past 5 years.
Make	DELL / HP / LENOVO / ACER
Sample model	HP Probook 450 G10 business Laptop (HP website)

ANNEXURE D

MINIMUM SPECIFICATIONS FOR LAPTOP (14")

Processor	13 th Gen Intel Core i5
Operating system	Original Windows 11 (64-bit) English, preloaded and factory-installed with OEM certification of Genuine OS, confirmed by OEM.
Graphics	Integrated Graphics
RAM	1x16 GB DDR4 or better, upgradable to 32GB
Hard disk	512GB SSD
Display	14" FHD, Non-Touch, HD Camera (min)
Connectivity	Wifi RJ45 (If not built in, a suitable adapter shall be provided) USB 3.0 / USB 2.0 / USB C Audio jacks Bluetooth Wireless Card
Input	Wireless optical scroll mouse and compact wireless keyboard of the same make as the PC. Rebranding not allowed
Power	230V / 50Hz AC power cords, Battery with express charge and 4 hrs backup time
Additional	Any software and tools bundled with the product on offer from the OEM. Drivers and products should be in the public domain.
Built in Speakers	YES
Internal Mic	YES
Software	Microsoft Office with Lifetime Licence and Antivirus for one year
Accessories	Water-resistant carry case for laptop and accessories 1TB external HDD with USB connectivity
Warranty + AMC	3-year comprehensive onsite warranty covering parts, labour and onsite repair. OEM to have dedicated service centres for Laptops in Kerala for the past 5 years.
Make	DELL / HP / LENOVO / ACER
Sample model	DELL INSPIRON 14 (5440) (DELL website)

**FACT**

THE FERTILISERS AND CHEMICALS TRAVANCORE LIMITED
FACT ENGINEERING AND DESIGN ORGANISATION (FEDO)

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ANNEXURE E**MINIMUM SPECIFICATIONS FOR THE A3 MULTIFUNCTION PRINTER**

Print Technology	Laser, Monochrome with auto-Duplex Printing, Copy, Scan
Maximum Paper Size	A3
Print resolution	Up to 1200x1200 dpi or better
Scanning feature	Plate / flatbed scanner, up to 600x600 dpi
RAM	512 MB or better
Connectivity	RJ45 LAN port USB
Power	230V / 50Hz AC
Additional	Any software and tools bundled with the product on offer from the OEM
Warranty + AMC	3-year comprehensive onsite warranty covering parts, labour and onsite repair. OEM to have dedicated service centres for printers in Kerala for the past 5 years.
Make	HP / CANON
Sample Models	HP M42625dn (HP website)

ANNEXURE F

MINIMUM SPECIFICATIONS FOR THE A4 MULTIFUNCTION PRINTER

Print Technology	Laser, Monochrome with auto-Duplex Printing, Copy, Scan
Cartridge	Composite
Maximum Paper Size	A4 & legal
Print resolution	Up to 1200x1200 dpi or better
Scanning feature	Plate / flatbed scanner, up to 600x600 dpi
RAM	64 MB or better
Connectivity	RJ45 LAN port Built-in wifi USB
Power	230V / 50Hz AC
Additional	Any software and tools bundled with the product on offer from the OEM
Warranty + AMC	3-year comprehensive onsite warranty covering parts, labour and onsite repair. OEM to have dedicated service centres for printers in Kerala for the past 5 years.
Make	HP / CANON
Sample Models	HP Laserjet MFP M233dw (GeM) See attachment

ANNEXURE GMINIMUM SPECIFICATIONS FOR THE A4 AUTO-DUPLEX PRINTER

Print Technology	Laser, Monochrome with auto-Duplex Printing
Cartridge	Composite
Maximum Paper Size	A4 & legal
Print resolution	600x600 dpi or better
RAM	64 MB or better
Connectivity	RJ45 LAN port Built-in wifi USB
Power	230V / 50Hz AC
Additional	Any software and tools bundled with the product on offer from the OEM
Warranty + AMC	3-year comprehensive onsite warranty covering parts, labour and onsite repair. OEM to have dedicated service centres for printers in Kerala for the past 5 years.
Make	HP / CANON
Sample Models	HP Laserjet M208 dw (GeM) See attachment

PRE-QUALIFICATION CRITERIA (PQC)

PROCUREMENT OF IT TECHNOLOGY GOODS/ITEMS FOR FACT FEDO

1. ELIGIBILITY/STATUTORY REQUIREMENTS

- a) Bidder shall be a legally registered entity in India and shall possess valid PAN and GSTIN.
- b) Bidder shall be the OEM or an authorised partner/reseller/system integrator of the OEM for the offered make/model. Manufacturer Authorisation Form (MAF) / OEM authorisation letter specific to this bid shall be submitted.
- c) Bidder shall submit a self declaration that it has not been blacklisted /debarred by any Central/State Government Departments/PSU/ Autonomous Body during the last 3 years .
- d) Bidder shall provide on site warranty support at FACT/consignee locations for the offered items. Maximum response time for compliant attendance shall be 2 working days from compliant logging.
- e) Bidder shall submit service support undertaking along with escalation matrix (name /phone/email) and service mechanism (own service/OEM authorised service).
- f) Original documents must be submitted for inspection, if so demanded. FACT reserves the right to verify any claim/ document with the issuing authority/client. Non production of originals when demanded and/or ant material discrepancy/ false claim shall render the bid liable for rejection and further action as applicable.

2. PRIOR EXPERIENCE (SIMILAR SUPPLIES)

- a) Bidder shall have successfully supplied IT hardware/ office IT peripherals (desktop/laptop/printer/MFP/duplicator or similar) during the last three years, meeting any one of the following:
 - One (1) order of value \geq ₹ 4,20,000, OR
 - Two (2) orders, each of value \geq ₹ 2,62,500, OR
 - Three (3) orders, each of value \geq ₹ 2,10,000.

Documents to be submitted: Copy of Purchase Order/Contract and proof of satisfactory completion/supply (completion certificate/GRN/Invoice and payment proof, as available.)

3. MSE/STARTUP RELAXATION

Eligible MSE/Startups may be considered for relaxation of prior turnover and prior experience criteria, as per extant Government guidelines/ orders, subject to meeting the technical specifications and quality requirement of the bid.

4. FINANCIAL CRITERIA

- a) Average annual turnover of the bidder for the last three financial years ending on 31-03-2025 shall be at least Rs. 21/- Lakhs or above and
- b) Annual turnover for each year shall be at least Rs. 3 /- lakhs or above during the last three financial years ending on 31-03-2025

Documents to be submitted: Self-attested copies of audited financial statements (Profit & Loss Account and Balance Sheet/ Turn over certificate) for the last three financial years ending on 31-03-2025

COMPLIANCE STATEMENT
PROCUREMENT OF IT TECHNOLOGY GOODS/ ITEMS FOR FACT FEDO

Sl. No.	Terms	Bidder confirmation
1	The offer shall be strictly as per the tender conditions and the Annexures attached.	
2	Please mention the shortest possible delivery.	
3	Please confirm : Price Basis – FOR FACT HO (as per Gem T & C)	
4	Please confirm : Taxes and Duties - The Price offered in GEM is all inclusive of TAX. (as per Gem T & C) Please mention the GST %.	
5	Please confirm : Payment Terms : 100% payment will be released within 10 days of the issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills as per GEM terms and conditions. (as per Gem T & C)	
6	Please confirm : Liquidated Damages: As per GeM – “@ 0.5% of the contract value of delayed quantity per week or part of the week of delayed period as pre-estimated damages not exceeding 10% of the contract value of delayed quantity without any controversy/dispute of any sort whatsoever”(as per GeM T & C)	

Note : All the above columns shall be filled properly, without leaving blanks. Please upload / return this document duly filled-in, along with your bid.