

GOVERNMENT OF PAKISTAN
HQ NATIONAL LOGISTIC CORPORATION
INVITATION TO TENDER

FOR SUPPLY/INSTALLATION OF CCTV EQUIPMENT AT TOLL PLAZAS ON FOR SINDH & PUNJAB BASIS, PROCUREMENT OF IT EQUIPMENT (PRINTERS AND SCANNERS) ON FOR KARACHI BASIS & PROCUREMENT OF LAPTOPS ON FOR RAWALPINDI & KARACHI BASIS (LOT WISE BASIS)

INSTRUCTION TO TENDERERS - WORDS OF CAUTION

1. **Participation of Tender.** NLC invites bids from qualified vendors for the Supply/Installation of CCTV Equipment at Toll Plazas on FOR Sindh & Punjab Basis, Procurement of IT Equipment (Printers and Scanners) On FOR Karachi Basis and Procurement of Laptops on FOR Rawalpindi & Karachi Basis (Lot Wise Basis). The tender can be participated by following: -
 - a. **OEMs (Original Equipment Manufacturers)**
 - b. **OEM Authorized Dealers / Re-Sellers having OEM Authorization Letter with sustained financial capability**
2. **Eligibility / Bid Qualification Criteria.** The bidder must prove his eligibility by completing the Bid Qualification Criteria as following.

Ser	Check List	Yes / No
a.	Tender Fee	
b.	Bid Security	
c.	Copy of NTN / STRN and Active Tax Filler with 100% compliance	
d.	Certificate to compliance to the GSR	
e.	Authorization Letter from OEM	
f.	Complete Tech Data of Equipment	
g.	90 x Days Offer Validity	
h.	Confirmation to Delivery Period	
i.	Comparison Chart (NLC Specification and Firm Offer)	

j.	Not Blacklisting Affidavit	
k.	Certificate to accept all conditions of tender	
l.	List of Major Clients	
m.	Hierarchy of the firm along with portfolio of owner & top management be attached	
n.	Manufacturing Authorization Letter	

3. **Non-Turnkey Solution.** All CCTV/ICT equipment has been categorized into the following three lots, and the contract against the tender will be awarded on lot-wise basis: -

- a. Lot 1 – Supply/Installation of CCTV Equipment at Toll Plazas on FOR Sindh and Punjab Basis.
- b. Lot 2 – Procurement of IT Equipment (Printers and Scanners) on FOR Karachi Basis.
- c. Lot 3 - Procurement of Laptops on FOR Rawalpindi and Karachi Basis.

4. **Special Conditions**

- a. Bidder must provide the Authorization Letter from OEM / Authorize Dealer / Re-Seller
- b. Quoted items / equipment should be Branded and Brand New.
- c. Firms are only allowed to quote only 1 x variant / model of item being quoted.
- d. Offer should also accompany complete technical data of the equipment.
- e. Firms must provide all relevant import documents to the purchaser (If Required).
- f. Offers must be prepared on firm's letter head, accompanied by the schedule to tender duly completed / signed / stamped by authorized executive (by name) of the firm without which the offer will not be entertained.
- g. In case, any firm fail to supply the tendered store as per the Letter of Acceptance / contract Agreement, The NLC has the right to take punitive

action against defaulter firm that include confiscation of its bid security, Performance Bank Guarantee and ban to participate in the tender etc.

- h. The bidder must be an authorized supplier and integrator of respective OEM.
- i. Joint ventures, consortiums, or partnerships are not allowed. Only single legal entities independently meeting all eligibility and technical criteria will be considered for evaluation.
- j. Sub-letting is not allowed.

5. **Rejection of Bid**. A bid will be rejected under following circumstances: -

- a. Bids not qualifying the bid evaluation criteria as mentioned above.
- b. Offers not accompanied with complete technical specifications of items being offered and not supported with detailed technical brochures.
- c. Non responsive bid to any single required criteria / specification.
- d. Non submission of Tender Fee & Bid Security.
- e. Late submission of tender from given date & time.
- f. Offers not complying with the special instructions in addition to other conditions.

6. **Particulars and Specifications**. Standard particulars, and specifications of Equipment required to be procured are attached at **Annex 'A'**. The bid must conform to the asked specifications and acceptance criteria.

7. **Delivery of Tender**. The original copy of the tender is to be enclosed in double cover. (i) Technical Offer (ii) Commercial Offer, separately. The covers should be sealed and bear tender Enquiry Number and date of opening, while the outer cover should bear only address of this office without any indications.

8. **Date and Time for Submission of Tender**

- a. Tender must reach at HQ NLC, Harding Road Near AFIRM Rawalpindi by the date and time specified in tender notice by hand or by post.
- b. Tender must be dropped in the tender box before given time.
- c. NLC will not be responsible for delay occurring in post.

9. **Price**

- a. The firms must quote prices inclusive of all taxes, packing, delivery and installation charges at Rawalpindi, Karachi, Punjab and Sindh as per format attached at **Annex “B”**.
- b. The price must be quoted in **PAK RUPEES** in figures and words at the appropriate space of the schedule to tender.
- c. Additional information, if any, must be linked with entries on the Schedule to Tender.
- d. Prices quoted should be firm and final.
- e. Tax exemption (if any) may be provided with the tender documents.
- f. Firm's financial offer must be on letter head duly signed and stamped by executive authority, otherwise offer will be rejected.
- g. Firm will deposit 0.25% amount against total value of the contract. This stamp duty is imposed by Govt of Pakistan as per Stamp Duty Act 1899 and it is responsibility of contractor/firm to deposit stamp duty.
- h. In case of increase in tax by GOP, the additional tax will be paid by purchaser.

10. **Validity of Offers**. The validity period of quoted rates must be indicated and should be at-least 90 days from the date of opening the tender without any condition, extendable for further processing of the case, if required.

11. **Delivery Period**. Equipment must be delivered/installed within 60 x days after issuance of LOA (Letter of Acceptance) or Award of Contract (whichever is earlier) at prescribe location, beyond which Late Delivery Charges will apply.

12. **Packing**. Unless a method of packing is indicated in the specification in the schedule to tender form, the method of packing proposed by supplier must be described in schedule to the tender form. Contractors are at liberty to quote for additional alternative sizes and description of packs and these must be described in the schedule of tender. Packing should be such that item shall not damage in transit till place of delivery. **SAFE DELIVERY OF ITEMS IS SOLE RESPONSIBILITY OF FIRM.**

13. **Inspection**

a. **Pre-Delivery Inspection**

- (1) Pre-delivery inspection may be carried out at firm's premises before supply, by team of HQ NLC (If Required).
- (2) Inspection will include Quantity, Quality, Conformation to the agreed specification as per LOA / Contract agreement.
- (3) Firm will dispatch the items / equipment to prescribed location as mentioned in schedule of tender.
- (4) Inspection (If Required) should preferably be kept at Rawalpindi / Islamabad. Inspection out of Rawalpindi / Islamabad will be carried out on the expenses of firm including travelling, boarding / lodging etc.

b. **Final Inspection.** Final Inspection will be carried out by the consignee after delivery & installation for any damages / breakages during transportation and successful functioning.

12. **Arbitration.** Any bidder feeling aggrieved by any act of procuring agency after submission of his bid and prior to award of the contract may lodge a written complaint to procurement agency under Rule - 48 PPRA.

13. **Risk and Expense.** Failure to supply the goods quoted or failure to meet the commitment made regarding delivery schedule, specifications, short supplies etc will authorize HQ NLC to purchase the items at firm's risk and cost.

14. **Force Majeure.** The supplier will not be held responsible for any delay occurring the supply of contracted stores due to event of force majeure such as Act of God, War, Riots, Civil Commotion's Strikes, lock out or disturbance directly affecting the supply over which the supplier has no control. In such an event the contractor shall inform the Purchaser within 15 days of the happening in writing. Non-availability of raw material for the manufacture of stores or the export permit for the export of the contracted stores from the country of its origin shall not constitute Force Majeure.

15. **Late Delivery.** Late Delivery charges will be imposed @ 2% per month or no of days delayed on total cost of contract with effect from original delivery date.

16. **Terms of Payment**

- a. 100% Payment will be made after delivery and Final Inspection after installation and issuance of CRV (Certified Receipt Voucher) by the consignee.
 - b. No advance payment is allowed
17. **Tender Fee and Bid Security**. Both will be prepared in the shape of bank draft in favor of “**National Logistics Corporation HQ Main Account**” and submitted as following: -
 - a. **Tender Fee**. Rs 2,000/- must be attached with Technical offer.
 - b. **Bid Security**. Rs 500,000/- must be attached with Technical offer.
18. **Bank Guarantee**
 - a. Performance Bank guarantee valuing 5% of the contract value must be provided / deposited by the successful firm for award of contract, within 15 days from the signing of the contract / issuance of Letter of Intent (whichever is earlier).
 - b. The Guarantee should be from a schedule bank of “AA” rating and valid till one month after warranty period.
 - c. Performance Bank Guarantee should be as per format provided by NLC and the currency of PBG should be same as the currency of financial offer.
19. **Warranty Period**. The vendor must provide a minimum one-year warranty for all supplied equipment or the OEM warranty period, whichever is greater.
20. **Comparison Chart**. Firms will also attach comparison chart along with their offer on following lines: -

NLC Specification	Firms Specification	Complied with or Not

21. **Evaluation**: Bids will be evaluated based on Compliance with technical specifications, Experience, Track Record and Financial competitiveness. Technical offer of bidders found eligible and qualified as per “**Bid Qualification criteria**” will be evaluated as per specifications (Annex “A”). Financial offers of technically approved bidders will be opened and bidder with the lowest financial proposal will be considered most advantageous bid.

General Manager Procurement, HQ NLC

HEADQUARTERS NATIONAL LOGISTIC CORPORATION

GENERAL CONDITIONS GOVERNING CONTRACT

1. Tender will be opened at HQ NLC, Harding Road Near AFIRM Rawalpindi at Date and Time mentioned in the newspaper add.
2. Tender will be submitted in accordance with PPRA Rule 36 (b) i.e., Single Stage – Two Envelope Procedure.
3. Detail of equipment required to be procured is as under :-

Ser	Items Description	Total Quantity
Lot – 1 (Supply/Installation of CCTV Equipment at Toll Plazas On For Sindh and Punjab Basis) (Partial Bidding is not allowed)		
List of Equipment Required at Jhelum, Iqbal Shaheed and Khansar Toll Plaza		
a.	2 MP Bullet Camera	15
b.	2 MP Dome Camera	15
c.	2 MP PTZ Camera	2
d.	NVR (32 Channel)	1
e.	NVR (16 Channel)	3
f.	PEO Switch (8 Port)	10
g.	PEO Switch (4 Port)	7
h.	UPS 12 volt	4
i.	Battery (200 No)	4
j.	WIFI Router	4
k.	Hard Disk 04 TB	4
l.	LCD TV 32 "	4
m.	Cat 6 Cable	1510
n.	Power Cable	750
o.	PVC Pipe	190
p.	Duck Pati	50
q.	RJ 45 Connector	260
r.	Power Plug	9

s.	Water Proof Box	12
t.	Tape	30
Khan Bela and Ghazi Ghat Toll Plaza		
a.	2 MP Bullet Camera	4
b.	2 MP Doom Camera	1
c.	Cable Cat-6	2
d.	Elec Cable 40/76	2
e.	RJ-45 Connector	2
Ubaro, Sukkur, Sehwan, Amri Qazi, Saeedabad and Moro Toll Plaza		
a.	4 MP NVR (32 Channels)	2
b.	2 MP Dome Camera	16
c.	2 MP Bullet Camera	19
d.	PTZ Camera	3
e.	POE Switch	8
f.	Hard Disc	4
g.	Cat 6 Cable	4
h.	NVR Box	2
i.	Networking Router	2
j.	POE Box	6
k.	Ups 3.6 KVA	2
l.	LCD (32")	2
m.	Battery	4
n.	Power Cables	9
o.	RJ45 Connectors	6
p.	Misc Fitting Items	
Lot 2 (Procurement of IT Equipment on FOR Karachi Basis)		
a.	Printers	6
b.	ADF Scanner	4
Lot 3 (Procurement of Laptops on FOR Rawalpindi and Karachi Basis)		
a.	Laptops for Karachi	9

b.	Laptops (High End) for Rawalpindi	37
c.	Laptops (High End) for Rawalpindi	10

NL-3

Address_____

Telephone_____

Code Used_____

From: _____

To:

THE DIRECTOR GENERAL

NATIONAL LOGISTIC CORPORATION QMG's BRANCH

R.A. BAZAAR GHQ RAWALPINDI

Dear Sir,

I/We hereby offer to supply to the Director General NLC, the stores as per detail in the Scheduled hereto or such portion thereof as you may specify in the contract at the prices given in the said schedule and agree to hold this offer open till _____. I/We shall be bound by a communication of acceptance dispatched within the prescribed time.

2. I/We have understood the instructions to Tenders and Conditions of Contract as laid down in form NL-2 to "General Conditions Governing Contracts" and have thoroughly examined the specificity/drawing and or pattern quoted in the schedule hereto and am/are fully aware to the nature of the stores required and my/our offer is to supply stores strictly in accordance with the requirements.

3. Recommended technical manual/ data are also enclosed with the offer.

4. The following pages have been added to and form part of this tender:-

Your faithfully

(Signature of Tendered)

Address_____

Dated _____

Signature of witness_____

Address_____

FOR SUPPLY/INSTALLATION OF CCTV EQUIPMENT AT TOLL PLAZAS ON FOR SINDH & PUNJAB BASIS, PROCUREMENT OF IT EQUIPMENT (PRINTERS AND SCANNERS) ON FOR KARACHI BASIS & PROCUREMENT OF LAPTOPS ON FOR RAWALPINDI & KARACHI BASIS (LOT WISE BASIS)

SPECIFICATIONS

Lot – 1 (SUPPLY/INSTALLATION OF CCTV EQUIPMENT AT TOLL PLAZAS ON FOR SINDH AND PUNJAB BASIS)

Ser	Items	A/U	Qty	GSR
List of IT Equipment Required for Jhelum, Khansar and Iqbal Shaheed				
1	2 MP Bullt Camera	Nos	15	Type: Outdoor Fixed Bullet IP Camera Resolution: Minimum 2 MP (1920 × 1080) Image Sensor: 1/2.8" Progressive Scan CMOS or better Lens: Fixed 2.8 mm or 4 mm Frame Rate: Minimum 25/30 fps @ 1080p IR Range: Minimum 30 m Day/Night: Automatic ICR with Smart IR Compression: H.265/H.265+, H.264/H.264+ Features: WDR, 3D DNR, BLC, Motion Detection Network: 10/100 Mbps Ethernet, ONVIF compliant Power: 12 VDC and/or IEEE 802.3af PoE Protection: Minimum IP67 weatherproof Operating Temperature: -30°C to +60°C or better Warranty: Minimum 1 year

2	2 MP Dome Camera	Nos	15	Type: Indoor Fixed Dome IP Camera Resolution: Minimum 2 MP (1920 × 1080) Image Sensor: 1/2.8" Progressive Scan CMOS or better Lens: Fixed 2.8 mm or 4 mm Frame Rate: Minimum 25/30 fps @ 1080p IR Range: Minimum 30 m Day/Night: Automatic ICR with Smart IR Compression: H.265/H.265+, H.264/H.264+ Features: WDR, 3D DNR, BLC, Motion Detection Network: 10/100 Mbps Ethernet, ONVIF compliant Power: 12 VDC and/or IEEE 802.3af PoE Protection: Minimum IP54 (IK08 vandal resistance preferred) Operating Temperature: -10°C to +50°C or better Warranty: Minimum 1 years
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3	2 MP PTZ Camera	Nos	2	Type: Outdoor PTZ IP Camera Resolution: Minimum 2 MP (1920 × 1080) Image Sensor: 1/2.8" Progressive Scan CMOS or better Optical Zoom: Minimum 25× Digital Zoom: Minimum 16× Pan/Tilt: 360° Continuous Pan, Tilt -15° to 90° (or better) Frame Rate: Minimum 25/30 fps @ 1080p IR Range: Minimum 100 m Day/Night: Automatic ICR with Smart IR Compression: H.265/H.265+, H.264/H.264+ Features: WDR, 3D DNR, Motion Detection, Auto Tracking (preferred) Network: 10/100 Mbps Ethernet, ONVIF compliant Power: 24 VAC and/or PoE+ (IEEE 802.3at) Protection: Minimum IP66/IP67 and IK10 (preferred) Operating Temperature: -30°C to +60°C or better Warranty: Minimum 1 years
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4	NVR (32 Channel)	Nos	1	Type: Standalone 32-Channel Network Video Recorder (NVR) Video Input: Minimum 32 IP Camera Channels Recording Resolution: Up to 8 MP or higher Video Compression: H.265+/H.265/H.264+/H.264 Incoming Bandwidth: Minimum 256 Mbps Video Output: HDMI and VGA (Simultaneous) Storage: Minimum 2 × SATA Interfaces, supporting up to 10 TB per HDD Network: 1 × Gigabit RJ-45 Ethernet Port Protocol: ONVIF Compliant Playback: Simultaneous Playback of Minimum 8 Channels USB: Minimum 2 × USB Ports Power Supply: 100–240 VAC, 50/60 Hz Warranty: Minimum 1 Years
5	NVR (16 Channel)	Nos	3	Type: Standalone 16-Channel Network Video Recorder (NVR) Video Input: Minimum 16 IP Camera Channels Recording Resolution: Support up to 8 MP IP Cameras Video Compression: H.265+/H.265/H.264+/H.264 Incoming Bandwidth: Minimum 160 Mbps Video Output: HDMI and VGA Storage: Minimum 1 × SATA Interface, supporting up to 10 TB HDD Network: Minimum 1 × Gigabit Ethernet Port Protocol: ONVIF Compliant Playback: Simultaneous Playback of Minimum 8 Channels USB: Minimum 2 × USB Ports Power Supply: 100–240 VAC, 50/60 Hz Warranty: Minimum 1 Years

6	PEO Switch (8 Port)	Nos	10	Type: Outdoor Layer-2 Unmanaged Gigabit PoE Switch Ports: Minimum 8 × 10/100/1000 Mbps PoE Ports and 2 × 10/100/1000 Mbps RJ45 Uplink Ports PoE Standard: IEEE 802.3af/at PoE Power: Minimum 30 W per Port, 120 W Total PoE Budget Switching Capacity: Minimum 20 Gbps Forwarding Rate: Minimum 14.88 Mpps Protection: Minimum IP65 Weatherproof, 6 kV Surge Protection Features: PoE Power Management, Long-Range PoE (up to 250 m), Plug & Play Power Supply: 100–240 VAC, 50/60 Hz Warranty: Minimum 1 Year
7	PEO Switch (4 Port)	Nos	7	Type: Outdoor Layer-2 Unmanaged Gigabit PoE Switch Ports: Minimum 4 × 10/100/1000 Mbps PoE Ports and 2 × 10/100/1000 Mbps RJ45 Uplink Ports PoE Standard: IEEE 802.3af/at PoE Power: Minimum 30 W per Port, 60 W Total PoE Budget Switching Capacity: Minimum 12 Gbps Forwarding Rate: Minimum 8.9 Mpps Protection: Minimum IP65 Weatherproof, 6 kV Surge Protection Features: PoE Power Management, Long-Range PoE (up to 250 m), Plug & Play Power Supply: 100–240 VAC, 50/60 Hz Warranty: Minimum 1 Year

8	UPS 12 volt	Nos	4	Type: 12 VDC CCTV Power Backup Unit (UPS) Input Voltage: 100–240 VAC, 50/60 Hz Output Voltage: Regulated 12 VDC Output Current: Minimum 10 A Battery: Built-in Rechargeable Battery, Minimum 18 Ah (or equivalent backup capacity) Protection: Overcharge, Over-discharge, Short Circuit, and Overload Protection Features: Automatic Changeover, Battery Status Indication Operating Temperature: 0°C to +40°C or better Warranty: Minimum 1 Year
9	Battery (200 No)	Nos	4	Type: Maintenance-Free Sealed Lead Acid (VRLA) Battery Nominal Voltage: 12 VDC Capacity: Minimum 100 Ah Design: Rechargeable, Leak-Proof, Maintenance-Free Application: Suitable for UPS Applications Service Life: Minimum 3–5 Years Standards: IEC 60896 or Equivalent

10	WIFI Router	Nos	4	Type: Dual-Band Gigabit Wireless Router Wi-Fi Standard: IEEE 802.11 a/b/g/n/ac (Wi-Fi 5) or Better Wireless Speed: Minimum 1200 Mbps (300 Mbps @ 2.4 GHz + 867 Mbps @ 5 GHz) Frequency Bands: 2.4 GHz and 5 GHz Ports: Minimum 1 × Gigabit WAN and 4 × Gigabit LAN Security: WPA2/WPA3, SPI Firewall, Access Control Features: DHCP, NAT, QoS, VPN Pass-Through, IPv4/IPv6 Support Antennas: Minimum 4 External High-Gain Antennas Management: Web-Based GUI and Mobile App Power Supply: 100–240 VAC Adapter Warranty: Minimum 1 Year
11	Hard Disk 04 TB	Nos	4	Type: Internal Surveillance Grade Hard Disk Drive Capacity: Minimum 4 TB Interface: SATA III (6 Gb/s) Form Factor: 3.5-inch Rotation Speed: 5400 RPM or Higher Cache Memory: Minimum 64 MB or Higher Application: Optimized for 24×7 Continuous Video Recording in NVR/DVR Systems Compatibility: Compatible with Standard Surveillance NVR/DVR Systems Warranty: Minimum 2 Years

12	LCD TV 32 "	Nos	4	Type: LED TV Screen Size: 32 Inches Resolution: Minimum Full HD (1920 × 1080) Connectivity: Minimum 2 × HDMI and 1 × USB Wall Mount: VESA Compatible Warranty: Minimum 2 Years
13	Cat 6 Cable	Mtr	1510	Type: CAT-6 Outdoor UTP Cable Conductor: Solid Bare Copper, 23 AWG Category: CAT-6, ANSI/TIA-568.2-D or Equivalent Bandwidth: Minimum 250 MHz Data Rate: Up to 1 Gbps (10 Gbps up to 55 m) Jacket: UV-Resistant, Weatherproof PE (Polyethylene) Standards: ISO/IEC 11801, ANSI/TIA-568.2-D, RoHS Compliant Operating Temperature: -20°C to +60°C or Better
14	Power Cable	Mtr	750	Type: Outdoor Power Cable Conductor: Copper, 2 Core × 7/29 SWG Insulation: PVC Insulated Sheath: UV Resistant PVC Voltage Rating: 300/500 V or Better Application: Suitable for 12 VDC CCTV Camera Power

15	PVC Pipe	Nos	190	Type: Heavy Duty Rigid PVC Conduit Pipe Size: 1 Inch (25 mm) Material: High-Quality Unplasticized Polyvinyl Chloride (uPVC) Application: Suitable for Indoor & Outdoor Cable Protection Features: Corrosion Resistant, UV Resistant, Moisture Resistant, Non-Conductive Standards: IEC 61386 or Equivalent Accessories: Compatible Couplers, Bends, Saddles and Junction Boxes Color: Grey or White
16	Duck Pati	Nos	50	Type: PVC Cable Duct with Snap-on Cover Size: 16 × 25 mm Material: High-Quality Self-Extinguishing PVC Application: Suitable for Indoor Cable Management Features: Non-Conductive, Flame Retardant, Corrosion Resistant, Easy Installation Color: White or Grey Standards: IEC 61084 or Equivalent
17	RJ 45 Connector	Nos	260	Type: RJ45 Modular Plug Compatibility: Suitable for CAT-6 UTP Solid Copper Cable (23 AWG) Configuration: 8P8C Material: Polycarbonate Housing with Gold-Plated Contacts Contact Plating: Minimum 50 Micron Gold Plating Standards: ANSI/TIA-568.2-D, ISO/IEC 11801 or Equivalent Features: Suitable for Indoor and Outdoor CAT-6 Cable Termination, Gigabit Ethernet Compatible

RESTRICTED

18	Power Plug	Nos	9	Type: 3-Pin Fused Power Plug Rating: 250 VAC, 13 A Standard: BS 1363 or Equivalent Material: Flame-Retardant Polycarbonate Body Pins: Brass/Copper Alloy Fuse: Replaceable 13 A Fuse Features: Heavy-Duty, Rewirable, Secure Cable Grip Application: Suitable for CCTV, Networking and IT Equipment
19	Water Proof Box	Nos	12	Type: Outdoor Waterproof Equipment Enclosure Material: High-Impact ABS/Polycarbonate Protection Rating: Minimum IP65 Application: Suitable for Housing PoE Switches, Power Supplies, Media Converters and Cable Terminations Features: Weatherproof, Dustproof, UV Resistant, Corrosion Resistant Cable Entry: Provision for Cable Glands and Conduit Entries Mounting: Wall/Pole Mount Compatible Access: Lockable Hinged or Screw-Fixed Cover
20	Tape	Nos	30	PVC Electrical Insulation Tape
KHAN BELA AND GHAZI GHAT TP				
Ser	Items Req	A/U	Qty	

RESTRICTED

1	2 MP Bulot Camera	No	4	Type: Outdoor Fixed Bullet IP Camera Resolution: Minimum 2 MP (1920 × 1080) Image Sensor: 1/2.8" Progressive Scan CMOS or better Lens: Fixed 2.8 mm or 4 mm Frame Rate: Minimum 25/30 fps @ 1080p IR Range: Minimum 30 m Day/Night: Automatic ICR with Smart IR Compression: H.265/H.265+, H.264/H.264+ Features: WDR, 3D DNR, BLC, Motion Detection Network: 10/100 Mbps Ethernet, ONVIF compliant Power: 12 VDC and/or IEEE 802.3af PoE Protection: Minimum IP67 weatherproof Operating Temperature: -30°C to +60°C or better Warranty: Minimum 1 year
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2	2 MP Doom Camera	No	1	Type: Indoor Fixed Dome IP Camera Resolution: Minimum 2 MP (1920 × 1080) Image Sensor: 1/2.8" Progressive Scan CMOS or better Lens: Fixed 2.8 mm or 4 mm Frame Rate: Minimum 25/30 fps @ 1080p IR Range: Minimum 30 m Day/Night: Automatic ICR with Smart IR Compression: H.265/H.265+, H.264/H.264+ Features: WDR, 3D DNR, BLC, Motion Detection Network: 10/100 Mbps Ethernet, ONVIF compliant Power: 12 VDC and/or IEEE 802.3af PoE Protection: Minimum IP54 (IK08 vandal resistance preferred) Operating Temperature: -10°C to +50°C or better Warranty: Minimum 1 years
3	Cable Cat-6	Coil	2	Type: CAT-6 Outdoor UTP Cable Conductor: Solid Bare Copper, 23 AWG Category: CAT-6, ANSI/TIA-568.2-D or Equivalent Bandwidth: Minimum 250 MHz Data Rate: Up to 1 Gbps (10 Gbps up to 55 m) Jacket: UV-Resistant, Weatherproof PE (Polyethylene) Standards: ISO/IEC 11801, ANSI/TIA-568.2-D, RoHS Compliant Operating Temperature: -20°C to +60°C or Better

4	Elec Cable 40/76	Coil	2	Type: PVC Insulated Multi-Strand Copper Electrical Cable Conductor: 40/0.76 mm Annealed Copper Insulation: PVC Voltage Rating: 450/750 V Standards: IEC 60227 / BS 6004 or Equivalent Features: Flame Retardant, Flexible, Moisture Resistant Application: Suitable for Power Distribution and Electrical Installations
5	RJ-45 Connector	Box	2	Type: RJ45 Modular Plug Compatibility: Suitable for CAT-6 UTP Solid Copper Cable (23 AWG) Configuration: 8P8C Material: Polycarbonate Housing with Gold-Plated Contacts Contact Plating: Minimum 50 Micron Gold Plating Standards: ANSI/TIA-568.2-D, ISO/IEC 11801 or Equivalent Features: Suitable for Indoor and Outdoor CAT-6 Cable Termination, Gigabit Ethernet Compatible
Ubaro, Sukkur, Sehwan, Amri Qazi, Seedabad and Moro TP				
Ser	Items Req	A/U	Qty	

1.	4 MP NVR (32 Channels)	Nos	2	Type: Standalone 32-Channel Network Video Recorder (NVR) Video Input: Minimum 32 IP Camera Channels Recording Resolution: Up to 8 MP or higher Video Compression: H.265+/H.265/H.264+/H.264 Incoming Bandwidth: Minimum 256 Mbps Video Output: HDMI and VGA (Simultaneous) Storage: Minimum 2 × SATA Interfaces, supporting up to 10 TB per HDD Network: 1 × Gigabit RJ-45 Ethernet Port Protocol: ONVIF Compliant Playback: Simultaneous Playback of Minimum 8 Channels USB: Minimum 2 × USB Ports Power Supply: 100–240 VAC, 50/60 Hz Warranty: Minimum 1 Years
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2.	2 MP Dome Camera	“	16	Type: Indoor Fixed Dome IP Camera Resolution: Minimum 2 MP (1920 × 1080) Image Sensor: 1/2.8" Progressive Scan CMOS or better Lens: Fixed 2.8 mm or 4 mm Frame Rate: Minimum 25/30 fps @ 1080p IR Range: Minimum 30 m Day/Night: Automatic ICR with Smart IR Compression: H.265/H.265+, H.264/H.264+ Features: WDR, 3D DNR, BLC, Motion Detection Network: 10/100 Mbps Ethernet, ONVIF compliant Power: 12 VDC and/or IEEE 802.3af PoE Protection: Minimum IP54 (IK08 vandal resistance preferred) Operating Temperature: -10°C to +50°C or better Warranty: Minimum 1 years
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3.	2 MP Bullet Camera	“	19	Type: Outdoor Fixed Bullet IP Camera Resolution: Minimum 2 MP (1920 × 1080) Image Sensor: 1/2.8" Progressive Scan CMOS or better Lens: Fixed 2.8 mm or 4 mm Frame Rate: Minimum 25/30 fps @ 1080p IR Range: Minimum 30 m Day/Night: Automatic ICR with Smart IR Compression: H.265/H.265+, H.264/H.264+ Features: WDR, 3D DNR, BLC, Motion Detection Network: 10/100 Mbps Ethernet, ONVIF compliant Power: 12 VDC and/or IEEE 802.3af PoE Protection: Minimum IP67 weatherproof Operating Temperature: -30°C to +60°C or better Warranty: Minimum 1 year
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4.	PTZ Camera	“	3	Type: Outdoor PTZ IP Camera Resolution: Minimum 2 MP (1920 × 1080) Image Sensor: 1/2.8" Progressive Scan CMOS or better Optical Zoom: Minimum 25× Digital Zoom: Minimum 16× Pan/Tilt: 360° Continuous Pan, Tilt -15° to 90° (or better) Frame Rate: Minimum 25/30 fps @ 1080p IR Range: Minimum 100 m Day/Night: Automatic ICR with Smart IR Compression: H.265/H.265+, H.264/H.264+ Features: WDR, 3D DNR, Motion Detection, Auto Tracking (preferred) Network: 10/100 Mbps Ethernet, ONVIF compliant Power: 24 VAC and/or PoE+ (IEEE 802.3at) Protection: Minimum IP66/IP67 and IK10 (preferred) Operating Temperature: -30°C to +60°C or better Warranty: Minimum 1 years
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5.	POE Switch	“	8	Type: Outdoor Layer-2 Unmanaged Gigabit PoE Switch Ports: Minimum 8 × 10/100/1000 Mbps PoE Ports and 2 × 10/100/1000 Mbps RJ45 Uplink Ports PoE Standard: IEEE 802.3af/at PoE Power: Minimum 30 W per Port, 120 W Total PoE Budget Switching Capacity: Minimum 20 Gbps Forwarding Rate: Minimum 14.88 Mpps Protection: Minimum IP65 Weatherproof, 6 kV Surge Protection Features: PoE Power Management, Long-Range PoE (up to 250 m), Plug & Play Power Supply: 100–240 VAC, 50/60 Hz Warranty: Minimum 1 Year
6.	Hard Disc	“	4	Type: Internal Surveillance Grade Hard Disk Drive Capacity: Minimum 4 TB Interface: SATA III (6 Gb/s) Form Factor: 3.5-inch Rotation Speed: 5400 RPM or Higher Cache Memory: Minimum 64 MB or Higher Application: Optimized for 24×7 Continuous Video Recording in NVR/DVR Systems Compatibility: Compatible with Standard Surveillance NVR/DVR Systems Warranty: Minimum 2 Years

7.	Cat 6 Cable	Roll	4	Type: CAT-6 Outdoor UTP Cable Conductor: Solid Bare Copper, 23 AWG Category: CAT-6, ANSI/TIA-568.2-D or Equivalent Bandwidth: Minimum 250 MHz Data Rate: Up to 1 Gbps (10 Gbps up to 55 m) Jacket: UV-Resistant, Weatherproof PE (Polyethylene) Standards: ISO/IEC 11801, ANSI/TIA-568.2-D, RoHS Compliant Operating Temperature: -20°C to +60°C or Better
8.	NVR Box	Nos	2	Type: Wall-Mounted Metal NVR Cabinet Material: Powder-Coated Mild Steel (Minimum 1.0 mm Thickness) Size: Suitable to Accommodate NVR, HDD, UPS and Accessories Door: Lockable Front Door with Key Ventilation: Ventilation Slots with Cooling Fan Provision Cable Entry: Top/Bottom Cable Entry with Gland Provision Mounting: Wall Mounted Finish: Corrosion-Resistant Powder Coating

9.	Networking Router	“	2	Type: Dual-Band Gigabit Wireless Router Wi-Fi Standard: IEEE 802.11 a/b/g/n/ac (Wi-Fi 5) or Better Wireless Speed: Minimum 1200 Mbps (300 Mbps @ 2.4 GHz + 867 Mbps @ 5 GHz) Frequency Bands: 2.4 GHz and 5 GHz Ports: Minimum 1 × Gigabit WAN and 4 × Gigabit LAN Security: WPA2/WPA3, SPI Firewall, Access Control Features: DHCP, NAT, QoS, VPN Pass-Through, IPv4/IPv6 Support Antennas: Minimum 4 External High-Gain Antennas Management: Web-Based GUI and Mobile App Power Supply: 100–240 VAC Adapter Warranty: Minimum 1 Year
10.	POE Box	“	6	Type: Outdoor PoE Switch Enclosure Box Material: Powder-Coated Mild Steel or High-Impact Polycarbonate Protection Rating: Minimum IP65 Size: Suitable to Accommodate PoE Switch, Power Supply and Accessories Door: Lockable Hinged Front Door Ventilation: Ventilation Slots with Cooling Fan Provision Cable Entry: Top/Bottom Cable Entry with Cable Gland Provision Mounting: Wall/Pole Mount Compatible Finish: Corrosion-Resistant Powder Coating

11.	Ups 3.6 KVA	“	2	Capacity: Minimum 3.6 kVA / 3.6 kW Input Voltage: 160–300 VAC or Better Output Voltage: 220/230/240 VAC, Pure Sine Wave Output Frequency: 50/60 Hz (Auto Sensing) Efficiency: Minimum 90% Battery: External/Internal Maintenance-Free VRLA Battery Support Transfer Time: Zero Transfer Time Protection: Overload, Short Circuit, Over Voltage, Under Voltage and Battery Protection Display: LCD Display for Input/Output Parameters and Battery Status Communication: USB/RS-232 (SNMP Support Preferred)
12.	LCD (32")	“	2	Type: LED TV Screen Size: 32 Inches Resolution: Minimum Full HD (1920 × 1080) Connectivity: Minimum 2 × HDMI and 1 × USB Wall Mount: VESA Compatible Warranty: Minimum 2 Years

13.	Battery	“	4	Type: Maintenance-Free Sealed Lead Acid (VRLA) Battery Nominal Voltage: 12 VDC Capacity: As Required by the Offered 3.6 kVA UPS (Minimum 100 Ah) Design: Rechargeable, Leak-Proof, Maintenance-Free Application: Compatible with the Offered 3.6 kVA UPS Service Life: Minimum 3–5 Years Standards: IEC 60896 or Equivalent
14.	Power Cables	Coil	9	Type: Outdoor Power Cable Conductor: Copper, 2 Core × 7/29 SWG Insulation: PVC Insulated Sheath: UV Resistant PVC Voltage Rating: 300/500 V or Better Application: Suitable for 12 VDC CCTV Camera Power
15.	RJ45 Connectors	Pkt	6	Type: RJ45 Modular Plug Compatibility: Suitable for CAT-6 UTP Solid Copper Cable (23 AWG) Configuration: 8P8C Material: Polycarbonate Housing with Gold-Plated Contacts Contact Plating: Minimum 50 Micron Gold Plating Standards: ANSI/TIA-568.2-D, ISO/IEC 11801 or Equivalent Features: Suitable for Indoor and Outdoor CAT-6 Cable Termination, Gigabit Ethernet Compatible

16.	Misc Fitting Items	-	-	As per requirements
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LOT – 2 (PROC OF IT EQUIPMENT (PRINTERS AND SCANNERS) ON FOR KARACHI BASIS

SCANNER- Quantity 4

Parameter	Specification
Recommended DailyVolume	3,000 pages per day or above
Scanner Type	ADF (Automatic Document Feeder)-Sheet Fed
Scanning modes	Black-and-white/grayscale/color
Scan Speed	25 ppm/50 IPM at 200 dpi
Scanning Technology & Illumination	Dual CIS (CMOS) & Single RGB LEDs
Optical Resolution	600 dpi
Output Resolution	75/100/150/200/240/250/260/300/400/500/600/1200 dpi
Paper Thickness and Weight	30-430 g/m ²
Paper Feeding Detection	Multi feed with ultrasonic technology, Intelligent Document Protection
Feeder	75 sheets or above
Connectivity / Interface	USB 3.0 High Speed (cable included) - USB 3.2 compatible

LASER JET PRINTER – Quantity 6

Print speed black (ISO, letter)	Up to 21 ppm ¹
Print speed black (ISO, A4)	Up to 20 ppm ¹
First page out black (letter, ready)	As fast as 8.3 sec

First page out black (A4, ready)	As fast as 8.5 sec
Duty cycle (monthly, letter)	Up to 8,000 pages
Duty cycle (monthly, A4)	Up to 8,000 pages
Recommended monthly page volume	100 to 1000
Print quality black (best)	Up to 600 x 600 dpi
Print languages	PCLm/PCLmS, URF, PWG
Print technology	Laser
Connectivity, standard	1 Hi-Speed USB (compatible with USB 2.0 specifications)
Wireless capability	No
Display	LED
Processor speed	500 MHz
Maximum Memory	16 MB Flash ROM; 16 MB SDRAM; 32 KB NVRAM
Memory	16 MB
Internal Storage	None
Paper handling input, standard	150-sheet input tray
Paper handling output, standard	100-sheet output bin
Media types	Plain paper, envelope, postcard, label
Media sizes supported	A4; A5; A6; envelopes (C5, DL); custom
Media sizes, custom	105 x 148 to 216 to 355.6mm

LOT – 3 (Laptops-High End)

LAPTOPS - (ULTRA 5) Quantity – 37 x for Rawalpindi and 9 x for Karachi

- Intel Core Ultra 5 125U with Intel integrated graphics or higher
- 16GB RAM DDR5 or higher
- 1 TB M.2 SSD or higher

- A&D Case Metal/ Alu, B&C Case Plastic or better
- Ultra-Thin, 360 x 250 x 16 mm
- Min 175° Open Angle
- 2 MP Camera with Privacy shutter
- 1 x Type C full function including charging
- 1 x Type C Thunderbolt (TBT 4.0)
- 1 x HDMI Port
- 1 x Audio Combo Port
- 1 x USB Type A
- 1 x USB Type C data only 3.2 gen 1
- 11.4V/ 4330 mAh 50Wh or higher battery with minimum 1 hour backup time.
- Wifi 6 (802.11ax) or higher
- Bluetooth 5.0 (BLE) or higher
- Windows 11 Professional Licensed
- 1 x Laptop Charger (Type C)
- Kaspersky AV License for 1 Year
- Microsoft Windows 11 Pro License

16 Inch Display FHD IPS

English, Qwerty Backlit Keyboard

Fingerprint Scanner

1 x Carrying Bag

1x Wireless Mouse

1x Replacement Warranty

Cyber Security: OEM/ Firm to certify that no backdoor or eavesdropping or remote access mechanism is present in the equipment. Identification of avenues for unauthorized access/ data leakage at any stage may lead to cancellation of contract along with blacklisting of the firm as well as legal proceedings as per Gov of Pakistan rules/ laws.

Laptops (Quantity-10 on FOR Rawalpindi Basis)

Processor: Intel Core Ultra 5 125U (up to 4.5 GHz, 14 cores, 18 threads, with built-in Intel AI Boost NPU).

Graphics (GPU): Integrated Intel Arc Graphics.

RAM: 8 GB DDR5

Storage: 512 GB PCIe NVMe M.2 SSD.

Display: 16" diagonal IPS panels, WUXGA or Full HD (1920x1080) with anti-glare.

Connectivity:

Wi-Fi 6 / 6E wireless card and Bluetooth 5.3.

1 x USB Type-C port (supporting USB Power Delivery and DisplayPort).

2 x USB Type-A ports.

1 x HDMI video output.

3.5mm combo headphone/microphone audio jack.

Operating System: Microsoft Windows 11 Pro License

Keyboard: English, Qwerty Backlit Keyboard

Fingerprint Scanner

Carrying Case: 1 x Carrying Bag

Camera with Privacy shutter

Repair/ Replacement Warranty

Tender No:

1. Financial offer must be as per following formats: -

Ser	Equipment	Qty	Unit Cost Without Tax (Rs)	Unit Cost including Tax (Rs)	Unit Cost including Tax (Rs)	Total Cost incl Tax
Lot – 1 (Supply/Installation of CCTV Equipment at Toll Plazas on For Sindh and Punjab Basis)						
List of Equipment Required at Jhelum, Iqbal Shaheed and Khansar Toll Plaza						
a.	2 MP Bullet Camera	15				
b.	2 MP Dome Camera	15				
c.	2 MP PTZ Camera	2				
d.	NVR (32 Channel)	1				
e.	NVR (16 Channel)	3				
f.	PEO Switch (8 Port)	10				
g.	PEO Switch (4 Port)	7				
h.	UPS 12 volt	4				
i.	Battery (200 No)	4				
j.	WIFI Router	4				
k.	Hard Disk 04 TB	4				
l.	LCD TV 32 "	4				
m.	Cat 6 Cable	1510				

n.	Power Cable	750				
o.	PVC Pipe	190				
p.	Duck Pati	50				
q.	RJ 45 Connector	260				
r.	Power Plug	9				
s.	Water Proof Box	12				
t.	Tape	30				
Khan Bela and Ghazi Ghat Toll Plaza						
a.	2 MP Bullet Camera	4				
b.	2 MP Doom Camera	1				
c.	Cable Cat-6	2				
d.	Elec Cable 40/76	2				
e.	RJ-45 Connector	2				
Ubaro, Sukkur, Sehwan, Amri Qazi, Saeedabad and Moro Toll Plaza						
a.	4 MP NVR (32 Channels)	2				
b.	2 MP Dome Camera	16				
c.	2 MP Bullet Camera	19				
d.	PTZ Camera	3				
e.	POE Switch	8				
f.	Hard Disc	4				

g.	Cat 6 Cable	4				
h.	NVR Box	2				
i.	Networking Router	2				
j.	POE Box	6				
k.	Ups 3.6 KVA	2				
l.	LCD (32")	2				
m.	Battery	4				
n.	Power Cables	9				
o.	RJ45 Connectors	6				
p.	Misc Fitting Items					
Lot 2 (Procurement of IT Equipment on FOR Karachi Basis)						
a.	Printers	6				
b.	ADF Scanner	4				
Lot 3 (Procurement of Laptops on FOR Karachi and Rawalpindi Basis)						
a.	Laptops (High End) for Karachi	9				
b.	Laptops (High End) for Rawalpindi	37				
c.	Laptops for Rawalpindi	10				

Note

- a. Price is required to be quoted on **FOR Rawalpindi, Lahore, Karachi, Punjab and Sindh Basis**, which must include delivery, installation charges and all taxes / duties. Brochure / manufacture specifications (in original) must be attached

- b. Firm must submit their financial offer as per above mentioned schedule to tender otherwise offer will be rejected.