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GOVERNMENT OF PAKISTAN
REVENUE DIVISION
FEDERAL BOARD OF REVENUE
Directorate of IT and DT
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F.No: 6(7)/TTS/BIDS/2025   Islamabad 25th June, 2025

SUBJECT: **TECHNICAL EVALUATION REPORT FOR SUPPLY, INSTALLATION AND CONFIGURATION OF VIDEO ANALYTICS HARDWARE FOR PRODUCTION MONITORING AND COUNTING IN VARIOUS SECTORS**

Invitations for Bids (IFB) for Supply, Installation, and Configuration of Video Analytics Hardware for Production Monitoring and Counting in Various Sectors was published in national press as well as on PPRA & FBR Website 31st May 2025. The bid Evaluation Committee (BEC), comprising of the following officers of FBR and PRAL individuals, was constituted vide IT Wing's letter No. 6(7)/TTS/BIDS/2025 dated 30th May 2025:

S.No	Name	Designation
1	Mr. Mohy-ud- Din Ismail	Chief (BPR)/ Chairperson
2	Mr. Rizwan Sarfaraz	Joint Director (Track &Trace)
3	Ms. Haneen Saif	SA to DG (IT&DT)
4	Mr. Abdul Rehman	Deputy Director (Digital Invoicing)
5	Mr. Amjad Khan	Second Secretary (IT-Execution)/Member
6	Mr. Riaz Alam	Senior Network Administrator, PRAL/ Member

2.   The bids were submitted by the respective bidders at 11:30 hours on 19th June, 2025, which were opened at 1130 hours on the same day at FBR (HQ). The bid was opened one at a time, reading out the name of the bidder, total bid price including any unconditional discounts etc., if applicable. The bid opening statement is attached as **Annex-A**. Technical Compliance Sheet is attached as **Annex-B.**

3. **Bid(s) Received:**

On the bid submission date and time total two (02) bids were received. Details are summarized as under:

S. No	Bidder Name	Bidder Status	Origin	Bid Security
1.	Astron Tech	Single Bidder	Pakistan	Yes
2.	ISSM Labelling Solutions	Single Bidder	Pakistan	No

4. **Preliminary Examination**

Preliminary examination of the received bids was carried out. The examination included verification/ review of bidder bid form, completeness of the bid, eligibility criteria and eligible countries, bid validity and availability of bid security as per requirement of the SBD, power of attorney (if required), and joint venture agreement where applicable. The finding(s) from preliminary examination are summarized below:

Bidder	Preliminary examination					Substantial Responsiveness Acceptance for detailed Examination
	Verification of Bid Letter	Completeness of Bid	Bid Validity	Bid Security	JV Agreement	
Astron Tech	Yes	Yes	Yes	Yes	N.A	Yes
ISSM Labelling Solutions	Yes	No	No	No	N.A	No

N.A= Not Applicable

5. **Detailed Evaluation**

BEC completed the evaluation process of M/s Astron Tech based on the submitted bids and evaluation summary is as under:

6. Evaluation of Technical Specifications:

Sr. No	Bidder	Technical Specification Compliance – Video Analytics Hardware								
		IP Cam	Network Video Recorder (NVR)	Network cable, Power Cabling - and allied accessories	PoE Switch	Network Switch	Backup Power	Local Server with GPU and CPU	LED	Delivery timeline
1.	Astron Tech	FC	FC	FC	FC	FC	FC	PC	FC	NC
2.	ISSM Labelling Solutions	Due to non-submission of bid security, detailed evaluation was not carried out being NC.								

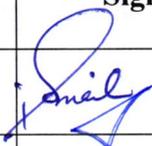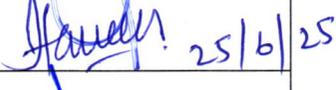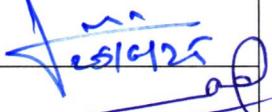FC = Fully Compliant   PC = Partially Compliant   NC = Non-Compliant

7. Bids Non-responsive to the SBD

Both of the received bids i.e. of M/s Astron Tech and M/s ISSM Labelling Solutions are evaluated as non-responsive to qualification criteria specified in SBD. M/s ISSM Labelling Solutions was declared non-compliant due to non-submission of Bid Security. M/s Astron Tech, quoted a delivery timeline of eight (08) weeks instead of the required two (02) weeks. This constitutes a major deviation from the specified delivery requirements, rendering their bid non-compliant and stands disqualified.

8. Bid Evaluation Committee (BEC) Recommendations

BEC recommends re-tendering of the procurement process as all participated bidders have been declared technically non-compliant with the requirements specified in SBD. Moreover, it is further recommended that the concerned wing may be advised to revisit and refine the scope of work and technical specifications specially delivery timelines enabling considerable number of participation after re-tendering.

S.No	Name	Designation	Role	Signature
1	Mr. Mohy-ud- Din Ismail	Chief (BPR)/ Chairperson	Chairperson	
2	Mr. Rizwan Sarfaraz	Joint Director (Track &Trace)	Member	
3	Ms. Haneen Saif	SA to DG (IT&DT)	Member	25/6/25
4	Mr. Abdul Rehman	Deputy Director (Digital Invoicing)	Member	25/9/25
5	Mr. Amjad Khan	Second Secretary (IT-Execution)/Member	Member	
6	Mr. Riaz Alam	Senior Network Administrator, PRAL/ Member	Member	

TECHNICAL BID EVALUATION

SUPPLY, INSTALLATION, AND CONFIGURATION OF VIDEO ANALYTICS HARDWARE FOR PRODUCTION MONITORING AND COUNTING IN VARIOUS SECTORS

SBD Reference No: 6(7)/TTS/BIDS/2025

Sr. No.	Description	Qualification Criteria		Bidder 1	Bidder 2
		Offered Brand/Model		ASTRON TECH	ISSM Labelling Solutions
	Item	Minimum Technical Specifications IN SBD	QUANTITY		
1	IP CCTV Camera	**Core Requirements:**	230	**Compliant** IP CCTV Camera. HIKVISION DS-2CD1063G2-LIU 6 MP Bullet Camera ,Smart Dual Light (IR: up to 30 m White Light: up to 20 m) ,Support Human and Vehicle Detection,Smart Dual-Light: advanced technology with long range ,Built-in microphone for real-time audio security, H.265+ , IP67 warranty: 3 Years standard warranty.	Bid Dis-Qualified (Non-Compliant)
		- Resolution: 5 Megapixels (MP), 1080P Full HD			
		- Night Vision: Colored Night Vision			
		- ONVIF (Open Network Video Interface Forum) compliant			
		- IP 65			
		Good To Have Requirements:			
		- Code Rate per Camera:			
		• Video Compression: H.264			
		• Resolution: 1080P			
		• Bit Depth: 8-bit			
		• Frame Rate: 30 fps			
		• Compression Ratio: 0.01			
		- Operating Temperature Range: -5°C to 60°C (Temperature-controlled environment)			
2	Network Video Recorder (NVR)	**Core Requirements:**	40	**Compliant** Network Video Recorder (NVR). HIKVISION 0S-7732141-M4. 32 Channel NVR with 4 SATA HDD Support, H.265+/H.265/H.264+/H.264 video formats , Up to 32-ch IP camera inputsUp to 32-ch@1080p decoding capacity Up to 320 Mbps incoming bandwidth , 4K HDMI Output SEAGATE SKYHAWK 4TB (ST4000VX005) 4TB (ST4000VX005) 4TB, SATA 6Gb/s, 64MB Cache Precision Warranty: 3 Years standard warranty	
		- Camera Channel Support: Minimum 24 Channels			
		- Storage: Minimum 4 TB Surveillance-grade Hard Drive (minimum 2 months recording for each camera)			
		- IP 65			

Sr. No.	Description	Qualification Criteria		Bidder 1	Bidder 2
		Offered Brand/Model		ASTRON TECH	ISSM Labelling Solutions
	Network Video Recorder (NVR)	- RTSP supported		Compliant Network Video Recorder (NVR). HIKVISION 0S-7732141-M4. 32 Channel NVR with 4 SATA HDD Support, H.265+/H.265/H.264+/H.264 video formats , Up to 32-ch IP camera inputsUp to 32-ch@1080p decoding capacity Up to 320 Mbps incoming bandwidth , 4K HDMI Output SEAGATE SKYHAWK 4TB (ST4000VX005) 4TB (ST4000VX005) 4TB, SATA 6Gb/s, 64MB Cache Precision Warranty: 3 Years standard warranty	Bid Dis-Qualified (Non-Compliant)
		Good To Have Requirements:			
		- Code Rate: Higher than 120 Mbps			
		- Automatic video retrieval to the computing unit			
		- Operating Temperature Range: -5°C to 35°C (Temperature-controlled environment)			
3	Network cable, Power Cabling and allied accessories	- Unit rates to be quoted.	As per Actual	Network cable, Power Cabling and allied accessories: (qty will be calculated as per actual)	
		- Quantities are not fixed and price will be calculated		Schneider Multi Socket dual with back box	
		as per actual.		Network cable, Power Cabling and allied accessories: (qty will be calculated as per actual).	
		- Actual requirements will be determined upon project execution.		Premium-Line Dual I/O with back box and face plate	
				Network cable, Power Cabling and allied accessories: (qty will be calculated as per actual).	
				Premium-Line Cat-6 23AWG Network Cable with adamjee duct (RFT)	
		It will also include deployment charges (technical and labor charges)		Network cable, Power Cabling and allied accessories: (qty will be calculated as per actual).	
				FAST 3/29 power cable including adamjee duct (RFT) 4	

Sr. No.	Description	Qualification Criteria		Bidder 1	Bidder 2
		Offered Brand/Model		ASTRON TECH	ISSM Labelling Solutions
4	PoE Switches	Core Requirements:	50	**Compliant** PoE Switches. TPUNX TL-SG1428PE. 28-Port Gigabit Easy Smart Switch with 24-Port PoE+ PORT: 24x Gigabit PoE+ Ports, 2x Gigabit Non-PoE Ports, 2x Gigabit SFP Slots SPEC: 802.3at/af, 250 W PoE Power, 1U 19-inch Rack-mountable Steel Case FEATURE: PoE Auto Recovery, MTU/Port/Tag-based VLAN, QoS, IGMP Snooping, Web/Utility Management, Plug and Play. Warranty: 3 Years standard warranty	
		- Industrial Grade			
		- IP 65			
		- SFP Port enabled			
		- Minimum 16 ports			
5	Network Switch	Core Requirements:	40	**Compliant** Network Switch. TPLINX SG2218 Omada 16-Port Gigabit Smart Switch with 2 Gigabit SFP Slots PORT: 16x Gigabit RJ4S Ports, 2x Gigabit SFP Slots SPEC: 1U 19-inch Rack-mountable Steel Case FEATURE: Integration with Omada SDN Controller, Static Routing, 802.1QVLAN, STP/RSTP/MSTP, IGMP Snooping, 802.1p/DSCP QoS, ACL, 802.1x, Radius/Tacacs+ Authentication, LACP, CLI, SNMP, Dual Image/Configuration, IPv6.	
		- Minimum 16 Ports Gigabit Ethernet Switch			
		- Compatible with Optical Fiber Cable (OFC)			
		- IP 65			
6	Backup Power	Core Requirements:	30	**Compliant** Backup Power Vertiv GXTLMTPLUS 3000VA/2400Watt. Dry Cell Batteries (China) 6X 12v,140ah with frame and battery cable. Warranty: Battery caries 1 Year Warranty, UPS is with 3 Years standard warranty.	Bid Dis-Qualified (Non-Compliant)
		- Minimum 20 hours uninterrupted power backup UPS			
		- IP 65			
		Recommended Features:			
		- Online Double Conversion UPS (Pure Sine Wave)			
		- Recommended for: CCTV DVR/NVR systems and GPU-based computing rigs			
		- Voltage Range: 110-300V AC (Wide Range)			
		- Frequency: 50/60 Hz Auto Sensing Output:			

Sr. No.	Description	Qualification Criteria		Bidder 1	Bidder 2
		Offered Brand/Model		ASTRON TECH	ISSM Labelling Solutions
		- Voltage: 230V ± 2%			
		- Frequency: 50Hz ± 0.5Hz (Battery Mode)			
		- Waveform: Pure Sine Wave			
6	Backup Power	Protection Features:		**Compliant** Backup Power Vertiv GXTLMTPLUS 3000VA/2400Watt. Dry Cell Batteries (China) 6X 12v,140ah with frame and battery cable. Warranty: Battery caries 1 Year Warranty, UPS is with 3 Years standard warranty.	
		- Overload Protection			
		- Short Circuit Protection			
		- Deep Discharge & Overcharge Protection			
		- Surge Protection			
		Display and Indicators:			
		- LCD Display: Real-time input/output voltage, battery status, load level, and fault indicators			
		Communication:			
		- Interface: USB, RS-232, SNMP (optional)			
		- Monitoring Software: Included for Windows/Linux platforms			
		Environment:			
		- Operating Temperature: 0°C to 40°C			
		- Humidity: 0% to 90% (non-condensing)			
		Accessories Included:			Bid Dis-Qualified (Non-Compliant)

Sr. No.	Description	Qualification Criteria		Bidder 1	Bidder 2
		Offered Brand/Model		ASTRON TECH	ISSM Labelling Solutions
		- User Manual			
		- Battery Connection Cables			
		- Mounting Brackets (if rack-mounted)			
		Warranty:			
		- 3 Years Standard Warranty on UPS			
		- 1 Year Warranty on Batteries			
7	Local Server with GPU and CPU	Recommended GPU:	40	Partially Compliant as no compliance has given against all the requirments specified in SBD against the quoted solution. Local Server with GPU and CPU Motherboard: MSI X870 Motherboard. Processor: AMD Ryzen 9 7950X Ram: 16 GB DDR5 SSD: 2X 1TB NVME GEN 4 SSD GPU: GeForce RTX5080 16 GB Cooling: LIQUIED COOLED 360 Casing: CASEING 4ARGM FAN PSU: 1300W PLATINUM KBM: Logitech MK220 Wireless Keyboard & Mouse Combo Warranty: 3 Years standard warranty	Bid Dis-Qualified (Non-Compliant)
		Core Requirements:			
		- CUDA Cores: 10,000 or above			
		- Tensor Cores: 300 or above			
		- RT Cores: 80 or above			
		- Base Clock: 2 GHz or above			
		- Boost Clock: 2 GHz or above			
		- Memory: Minimum 24 GB			
		- Memory Bus Width: 256 Bit			
		- Memory Bandwidth: Minimum 1000 GB/s			
		- Cooling: Dual Fan or Liquid Cooling			
		- GPU Storage: 2 x 1TB SSD			
		- RAM: 16GB DDR5			
		- Power Supply: 1300W Platinum-grade PSU			
		Recommended CPU:			
		Core Requirements:			
		- Processor: AMD Ryzen 9 7950x (or equivalent)			
		- Cores: 16 cores with 32 threaded processor			
		RAM: 16GB DDR5			
		- Storage: 2 x 1TB SSD (RAID 1)			
		- Interface: PCI Express 4.0 x16			
		- Network: 1 Gigabit Ethernet interface (RJ45)			
		- Base Clock: 4.5 GHz or above			
		- Boost Clock: 5.7 GHz or above			
		- Motherboard: X670 AORUS (or equivalent)			

Sr. No.	Description	Qualification Criteria		Bidder 1	Bidder 2
		Offered Brand/Model		**ASTRON TECH**	**ISSM Labelling Solutions**
		- Cooling: Liquid Cooling Supported			
		Additional Features:			
		- Compatible with NVIDIA CUDA, cuDNN, TensorRT			
		- Support for Real-Time Ray Tracing (RT Cores) and AI Acceleration			
		- Wireless Keyboard and Mouse included			
		- Operating Temperature: -5°C to 35°C			
		Note: GPUs can be of NVIDIA, AMD, or any equivalent brand			
8	LED	**Core Requirements:**	40	**Compliant** **LED.** **ASUS ProArt Display PA329CRV 32 inch 4K IPS.**	Bid Dis-Qualified (Non-Compliant)
		- Screen Size: 32 inches			
		- Resolution: 4K Ultra HD (3840 x 2160)			
		- HDMI Ports: 3 x HDMI 2.1 (eARC supported)			
		- Stand: Included (Table-Top Stand)			
		- Wall Mount Compatibility: VESA 400x400 mm			
		- Power Supply: AC 100-240V, 50/60Hz			
		- Power Consumption: 180W (operational)			
		- Energy Saving Mode: Yes			
		- Remote Control			
		- Wall Mount Brackets (Optional)			
		- 3 Years Warranty			

Sr. No.	Description	Qualification Criteria			Bidder 1	Bidder 2
		Offered Brand/Model			ASTRON TECH	ISSM Labelling Solutions
9	Deployment Accessories	Core Requirements:		As per Actual	Compliant Rack. (One rack per site) 42U , Floor standing Sever cabinet 600 Width* 1000 Depth* 42U Vented front door& Vented rear door , With Fan modules, 2 Fix Trays included , 1 Cable & UK type Plug	Bid Dis-Qualified (Non-Compliant)
		- All hardware installations must be placed on standard mounting racks in standard cabinets				
		- Environmental control cabinet			Deployment services per site.	
		- Lock and Key option for physical security of equipment			Deployment and Annual Maintenance of FBR software. For entire project.	
10	Delivery Timeline	2 weeks			Non Compliant 08 weeks	
	Responsiveness of the Solution				**Partially Responsive**	**Disqualified - Non Compliant**

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FEDERAL BOARD OF REVENUE
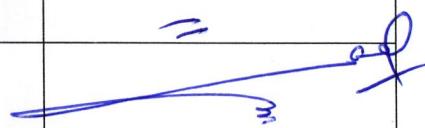## DIRECTORATE GENERAL (IT&DT)

SUPPLY, INSTALLATION, AND CONFIGRATION OF VIDEO ANALYTICS HARDWARE FOR PRODUCTION MONITORING

AND COUNTING IN VARIOUS SECTOR

TENDER NO.6(7)/TTS/BIDS/2025.

Date: 19th June, 2025

Attendance sheet of committee members

S.No	Name	Designation	Contact No	Signature
1	Mr. Mohy-ud-Din Ismail	Chief (BPR)/ Chairperson	0324-5906092.	Ismail
2	Mr. Rizwan Sarfaraz	Joint Director (Track & Trace)	—	ABSENT.
3	Ms. Haneen Saif	SA to DG (IT&DT)	—	ABSENT.
4	Mr. Abdur Rehman	Deputy Director (Digital Invoicing)	—	
5	Mr. Amjad Khan	Second Secretary (IT-Execution)/ Member	333-9259606	
6	Mr. Riaz Alam	Senior Network Administrator, PRAL/ Member	—	

FEDERAL BOARD OF REVENUE
DIRECTORATE GENERAL (IT&DT)

SUPPLY, INSTALLATION, AND CONFIGRATION OF VIDEO ANALYTICS HARDWARE FOR PRODUCTION MONITORING
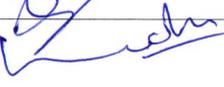
AND COUNTING IN VARIOUS SECTOR

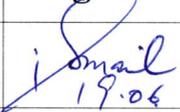## TENDER NO.6(7)/TTS/BIDS/2025.

Date: 19th June, 2025

Attendance sheet of vendors

S. No	Name of Company	Name of Representative	Contact No	Email	Signature
1	Astrontech (Pvt.) Ltd	Syed M Shabeer	0311-5554960	syed.Shabeer@astron.com.pk	
2	Haider Shafique				
3	ISSM LABELLING Solutions	Haider Shafique	0310-5463614	Haidershafiq@issm.ai	
4					
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TECHNICAL BIDS OPENING STATEMENT

Title:	Supply, Installation and Configuration of video Analytics Hardware for production Monitoring and Counting in Various Sectors
Ref No.	6(7)/TTS/BIDS/2025
Wing	DG (IT &DT)
Venue:	FBR Headquarter, Constitution Avenue, Islamabad
Date of Bid Opening	19-06-2025	Time	11:30 a.m

S#	Bidder / Company Name	Technical Bid			Financial Bid Sealed	Representative Names	Signature
		Original Bid with Bid Letter	Copies Including Soft	Bid Security - PKR 1,000,000			
1	ASTRON TECH	YES	YES	PKR 1,000,000	YES	MR SYED MUHAMMAD SHAHEER	
2	ISSM LABELLING SOLUTIONS	NO	NO	Not Submitted	YES	MR HAIDER SHAFIQUE	

Signatures of Members of Bid Evaluation Committee (BEC)

Name	Designation	Signature	Name	Designation	Signature
Mr. Mohy-ud-Din Ismail	Chief (BPR)/ Chairperson	Ismail 19.06	Mr. Abdur Rehman	Deputy Director (Digital Invoicing)/Member	Absent
Mr. Rizwan Sarfaraz	Joint Director (Track& Trace)/Member	Absent	Mr. Amjad Khan	Second Secretary (IT-Execution)/ Member	
Ms. Haneen Saif	SA to DG (IT&DT)/Member	ABSENT.	Mr.Riaz Alam	Senior Network Administrator, PRAL. Member	