

REQUEST FOR PROPOSAL

TECHNICAL BID(S) EVALUATION REPORT

Request for Proposal Reference No.	F. No. 1(7)TDU/IR/2026
Request for Proposal Title	<i>AUTHORIZED VENDORS FOR SUPPLY, INSTALLATION AND MAINTENANCE OF PRODUCTION MONITORING SYSTEM IN <u>TYRES</u></i>
RFP Issuance/ Publishing Date	22 nd January, 2026
Pre-Bid meeting Date	28 th January, 2026
Proposal Submission Date	23 rd February, 2026
Publishing	National Press (two leading national daily newspapers – One English and One Urdu) Website(s): FBR
Procurement Method/ Process	Two Stage Bidding Procedure) – Open Competitive Bidding Process
Proof-of-Concept conducting date	21 st August, 2026
Technical Evaluation Report Signing Date	16 th September, 2026


Waqas Ahmed Langan
Secretary (Budget & Expenditure)
Federal Board of Revenue
Islamabad

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Project Background

The FBR is undertaking a significant digitalization initiative aimed at enhancing its tax collection capabilities and addressing structural gaps in Pakistan's tax system. As part of this transformation, FBR seeks to deploy a production monitoring and counting system at all Tyre Manufacturing facilities (including Passenger Car, Commercial Vehicle, Tractor, and Two/Three-Wheeler units) in Pakistan to improve tax compliance and prevent revenue leakage within the sector, particularly in the handling of Cured Tyres across various categories (PCR, TBR, Agricultural, and Motorcycle tyres). As part of the agreement, selected vendors will be responsible for providing and installing a production monitoring system (based on IoT-Based Curing Press Monitoring, Laser Marking & Verification, AI-Based Vision Analytics, or equivalent technologies). Vendors will also be responsible for providing post-installation maintenance and tech support services to the manufacturers. FBR recognizes the critical role of technology in tackling the challenges of tax evasion, unreported production, and discrepancies in tyre production data. This production monitoring project aims to deliver real-time visibility into the total production of tyre manufacturers. The solution will enable FBR to monitor the production count ensuring accurate reporting, transparent audits, and correct tax payments. A panel of multiple authorized vendors will provide manufacturers access to a pool of competitive vendors.

2. Scope of the System

The Scope of the System is to implement an end-to-end production monitoring and counting system (including software, hardware, and integration) primarily utilizing Video Analytics, Laser Counting, or IoT Sensors proposed by the vendor, provided it meets both the Technical and Proof of Concept evaluation criteria defined in Section V Scope of Work and is more cost-effective than the standard monitoring solution, across tyre manufacturing facilities in Pakistan to accurately monitor the production and to prevent underreporting by manufacturers.

3. Business Functions and Performance Requirement

The solution specified in this bid document will detect, count, mark (if applicable), and record production units (e.g., Passenger Car Radials, Truck & Bus Radials, Tractor Tyres) on the Installation Point, reporting the number of units for each SKU produced in tyre manufacturing facilities. It will then store the recorded data in a local server and transmit it to FBR's system. FBR will access the data and should have access to an interactive dashboard. The user can filter by Product Type (SKU), time frame, and information of the company (e.g., site, Curing Press ID, or Finishing Line). The user can analyze data and compare it to reported quantities by the manufacturer.

4. General Technical Requirements

- i. Language Support: All information technologies must provide support for the English language.
- ii. Dates: All information technologies MUST properly display, calculate, and transmit date data.
- iii. Electrical Power: All active equipment must operate on 220v +/- 20v, 50Hz. For DC, power must be supplied by an industrial Power Supply Source.
- iv. Environmental: All equipment must comply with Heavy Industry standards. Specifically, jigs fixing the sensors (Vibration Dampening Mounts), cables, and enclosures must be heat-resistant and vibration-proof to withstand the operation of heavy hydraulic presses. The equipment must be robust enough to meet IP65/IP66 ratings (specifically providing protection against conductive Carbon Black dust, Sulphur fumes, and Steam jets). Thermal shielding or Active Cooling must be provided for equipment installed near Curing Presses (Vulcanizers), Steam Lines, or Hot Tyres.

5. Brief Terms of Invitation to Bid Document

Schedule for requirement	FBR intends to ensure all tyre manufacturing facilities in Pakistan are covered as per the following installation schedule: Cumulative 20% lines to be covered by: 31 st August 2026 Cumulative 50% lines to be covered by: 31 st October 2026 Cumulative 100% lines to be covered by: 31st December 2026 Authorized vendor(s) should have all required equipment (hardware and software) readily available to be able to deploy the required production monitoring and counting system (e.g., Video Analytics, Laser Marking & Verification, or IoT Curing Sensors) across Tyre manufacturing facilities in Pakistan.
Proposal Validity from proposal opening	The Proposal Validity period shall be 120 days or extendable as mutually agreed.
Bid Security	The amount of Bid Security shall be PKR 1,000,000/-
Performance Guarantee	The amount of performance guarantee, shall be PKR 5,000,000. The bank guarantee shall be valid for entire duration of the authorization and shall be cashable in case of violation of these rules or terms of authorization.
Liquidated Damage	• Rate: A penalty of 0.2% of the total performance guarantee per day of non-compliance for each affected site. • Maximum Deduction: The cumulative penalty shall not exceed the value of the performance guarantee submitted by the vendor.
Currency for Evaluation of Proposals	Pak Rupees (PKR)

6. Procurement Process

The bidding process for the subject activity is **Two Stage Bidding Procedure** – Invitation to Bid – Open Competitive Bidding Process. Invitation to Bid notification was published in national press (two leading national daily newspapers – One English and One Urdu) on **22nd January, 2026** (**Annexure-I**) as well as uploaded on e-PADS, FBR (<https://www.fbr.gov.pk/>) and PPRA (<https://www.ppra.gov.pk/>).

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Proposal/Bid Submission Date	23 rd February, 2026
Publishing	National Press (two leading national daily newspapers – One English and One Urdu) Website(s): FBR

Procurement Method/ Process	Two Stage Bidding Procedure) – Open Competitive Bidding Process
Proof-of-Concept conducting date	21 st August, 2026
Technical Evaluation Report Signing Date	16 th September, 2026

7. Technical/ Financial Evaluation Committee

Following Technical/ Financial Evaluation Committee was designated for the evaluation of the subject Invitation to Bid:

Sr. No	Name	Designation	Role
1.	Mr. Zubair Bilal	Member (IR-Operations), FBR	Chairman/ Convener
2.	Mr. Ashhad Jawwad	Member (Customs Policy)	Member
3.	Dr. Najeebullah	Chief (Tax Reforms)	Member
4.	Dr. Muhammad Khurram	Chief (Mgt/HR-IR)	Member
5.	Mr. Rizwan Salabat	Chief (Mgt/HR-Customs)	Member
6.	Mr. Amjad-ur-Rehman	Chief (F&C) – Customs	Member
7.	Mr. Waqas Ahmed Langah	Secretary (Budget & Expenditure)	Member/Secretary
8.	Faisal Sattar	Chief Executive Officer	Member

8. Proposals Received

On the Proposal submission date and time **23rd February, 2026 at 11:30 a.m.**, following proposals were received:

Sr. No	Bidder	Bid Submitted
1.	M/s ISSM Labelling Solutions (Pvt) Ltd	Yes

9. Proposals Opening

In accordance with the bid opening procedure of **Two Stage Bidding Procedure**. Technical bids were opened publicly on the same date immediately after bid submission time at FBR House by the Technical/ Financial Evaluation Committee in the presence of bidders authorized representatives. The bids availability on e-PADS was checked and confirmed in presence of bidders authorized representatives. Availability of bid security as per Invitation to the Bids terms, bid submitted for package(s)/ region(s) and confirmation of financial bid were read out at the time of bid opening meeting. The bid opening statement is placed at **Annexure-II**.

The sealed financial bids of all bidders were signed by the Technical/ Financial evaluation committee and kept in safe custody.


Waqas Ahmed Langah
 Secretary (Budget & Expenditure)
 Federal Board of Revenue
 Islamabad

10. Preliminary Examination

Preliminary examination of the technical bids was carried out. The examination included verification/ review of bidder bid form, completeness of the bid, eligible countries, bid validity confirmation and availability of bid security as per requirement of the Invitation to Bid. The finding(s) from preliminary examination is summarized below:

Bidder	Bid Form	Eligible Country	Bid Validity	Bid Security	Acceptance for detailed Examination
M/s ISSM Labelling Solutions (Pvt) Ltd	Yes	Pakistan	Yes	Yes	Yes

11. Detailed Technical Evaluation

The mandatory requirements and marking criteria for evaluation of proposals advertised in the Request for Proposal along with detailed proposal's evaluation, are submitted at **Annexure-III**. The summary of evaluation is mentioned below:

Sr.	Proposer	Compliance with Mandatory Criteria	Technical Score/ Marks (Maximum marks 100)
1.	M/s ISSM Labelling Solutions (Pvt) Ltd	Compliant/ Technically qualified	75
• Note: The minimum technical score (St) required to pass is: Seventy (70) points / marks being 70% of total score of 100 marks.			

12. Proof-of-Concept Testing

Bidders were required to conduct mandatory Proof-of-Concept (POC) testing for proposed solutions at selected industry sites. Since, only one bidder namely **M/s ISSM Labelling Solutions Pvt Ltd** was earlier found technically qualified/responsive therefore, POC test of the said vendor/bidder was conducted on 21st August, 2026. As per the test result of the POC, M/s ISSM Solutions Pvt Ltd successfully passed the POC requirements. The POC report is attached at **Annexure-IV**.

13. Proposals Accepted as "Responsive/Technically Qualified" to the RFP

Sr.	Bidders
1.	M/s ISSM Labelling Solutions (Pvt) Ltd

14. Proposals Rejected as "Non-Responsive/Non-Technically Qualified" to the RFP

Sr.	Bidders
	Nil


Waqas Ahmed Langah
Secretary (Budget & Expenditure)
Federal Board of Revenue
Islamabad

TAXPAYERS' SERVICES WING
MEDIA SECTIONTHE EXPRESS
TRIBUNE

Dated: 22-01-2026

Revenue Division
Federal Board of Revenue
Government of Pakistan
AdministrationAUTHORIZED VENDORS FOR
SUPPLY, INSTALLATION AND MAINTENANCE OF
PRODUCTION MONITORING SYSTEM IN TYRES SECTOR
(Three years from authorization)

1. The Federal Board of Revenue (FBR) invites sealed bids from eligible vendors, registered with PPRA on E-PADS as vendors and with Income Tax and Sales Tax Departments, and included in Active Taxpayer's List of FBR, for the deployment of a production monitoring and counting solution across the Tyre Manufactures in Pakistan as per Sales Tax Act/Rules for granting license/authorization. The vendors are required to submit their proposals for a production monitoring solution (e.g., IoT-Based Curing Press Monitoring, Laser Marking & Verification, or AI-Based Vision Analytics – detailed in RFP), provided it meets both the Technical and Proof of Concept (POC) evaluation criteria (including preferable accuracy of 99% with a minimum requirement of 95%) defined in Section V – Scope of Work and is cost-effective.
2. The Bidding documents are available on e-PADS and FBR/PPRA Websites i.e. <https://www.ppra.gov.pk> & <https://www.fbr.gov.pk> and can be downloaded free of cost. Encrypted electronic bids duly completed and in conformity with Bidding Documents must be submitted online on e-Pak Acquisition and Disposal System (e-PADS) website on or before **1100 hours by 23rd February 2026**.
3. The instant procurement for authorized vendors is being carried out under Public Procurement Rules, 2004 and E-Pak-Procurement Regulations, 2023 read with PPRA Public Procurement Framework. Procurement structure has been designed keeping in view Rule 4 and other relevant provisions under PPR, 2004 including but not limited to provisions as referred at Rule 15, Rule 21, Rule 29 and the rules connected thereto. The translation of the relevant provisions of PPR, 2004 into procurement design/structure has been made part of the instant bidding document.
4. The procurement shall be carried out in accordance with PPRA's **Two-Stage Two Envelope Bidding Procedure**:
 - a. **Stage 1:** Bidders shall submit the technical proposal, including price per installation point and breakdown of price per component in separate sealed envelope as per PPRA Rules as financial proposal. The technical proposal will be evaluated based on the Technical Evaluation Criteria defined in Section V. Successful bidders will be required to conduct a POC which will be evaluated based on POC Evaluation Criteria defined in Section V. Afterwards, FBR will conduct Bidders' Conference to discuss all solutions and their feasibility of implementation. Post the Bidders Conference, FBR will, at its discretion, finalize a specific production counting solution for implementation. If necessitated, the revised RFP with finalized solution will be circulated after pre-bid meeting.
 - b. **Stage 2:** All eligible bidders will be required to submit the revised technical proposals, along with the revised financial proposals or supplementary financial proposals to originally submitted financial proposals per installation point and breakdown of price per component, and conduct a POC test for the solution finalized by FBR. Upon evaluation, FBR will shortlist successful bidders and issue authorization.
 - c. The process envisages *purely technical discussion/solution finalization in Stage-1 and final technical competition and selection in Stage-2*.
 - a. In order to brief the eligible bidder about the project details and address the queries on the Bidding Document and suggestive improvements, a Pre-Bid Meeting will be held on **28th January, 2026 at 11:00 hours**, in Room 358, 3rd Floor, FBR House, Constitution Avenue, G-5, Islamabad. The bidders who wish to join the meeting virtually can join by using the following link [Meeting Link: <https://vfc.fbr.gov.pk> Meeting ID: 518518 Password/PIN: 0258 Date: 28-01-2026 Time: 11 AM. At the first or second stage, FBR may call multiple pre-bids or technical presentations.
5. The original bids (e-PADS Tender Prints) along with 2 copies, properly filled in, and enclosed in sealed envelopes must be delivered to the address, Room 506, Fifth Floor, FBR House, Constitution Avenue, G-5, Islamabad, on or before **1100 hours by 23rd February, 2026**. E-bids will be opened on the same day at 1130 hours in the presence of bidders' representatives who choose to attend in Room 358, 3rd Floor, FBR House, Constitution Avenue, G5, Islamabad. Submission of manual bids without submissions on EPADS shall be rejected.
6. The All bids must be accompanied by a Bid Security amounting PKR 1,000,000 (One million Only), or freely convertible currencies in case of foreign Bidders in an acceptable form.
7. FBR may reject all bids at any time prior to the acceptance of a bid by invoking rule 33 of Public Procurement Rule (PPR), 2004.

PID(I)6004/25

Farrukh Amir Sial
Secretary (Administration)Room 506, 5th Floor,

Federal Board of Revenue (HQ), Islamabad

Email: secretary.admin@fbr.gov.pk Phone No: 051-9203679

TAXPAYERS' SERVICES WING
MEDIA SECTION

روزنامہ جنگ

Dated: 22-01-2026

Revenue Division
Federal Board of Revenue
Government of Pakistan
IslamabadAUTHORIZED VENDORS FOR
SUPPLY, INSTALLATION AND MAINTENANCE OF
PRODUCTION MONITORING SYSTEM IN TYRES SECTOR
(Three years from authorization)

1. The Federal Board of Revenue (FBR) invites sealed bids from eligible vendors, registered with PPRA on E-PADS as vendors and with Income Tax and Sales Tax Departments, and included in Active Taxpayer's List of FBR, for the deployment of a production monitoring and counting solution across the Tyre Manufacturers in Pakistan as per Sales Tax Act/Rules for granting license/authorization. The vendors are required to submit their proposals for a production monitoring solution (e.g., IoT-Based Curing Press Monitoring, Laser Marking & Verification, or AI-Based Vision Analytics – detailed in RFP), provided it meets both the Technical and Proof of Concept (POC) evaluation criteria (including preferable accuracy of 99% with a minimum requirement of 95%) defined in Section V – Scope of Work and is cost-effective.
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7. FBR may reject all bids at any time prior to the acceptance of a bid by invoking rule 33 of Public Procurement Rule (PPR), 2004.

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Federal Board of Revenue (HQ), Islamabad

Email: secretary.admin@fbr.gov.pk Phone No: 051-9203679

TECHNICAL BID OPENING SHEET

PPRA Web Reference No: TS-

E-Paid Reference No:

Title: Hiring of Authorized Vendors for Supply, Installation, and Maintenance of Production Monitoring System in Tyres Sector

Technical Bid Opening Date/ Time: 23th February, 2026 at 11:30 a.m.

S.No.	Name of Firm	Name of Representative	Bid Submission (Hard/Soft)	Bid Security submission	Financial Bid submission	Signature
1.	M/S ISSM Labelling Solutions (Pvt) Ltd.	No representative attended in meeting	Yes	Yes	Yes	
2.						
3.						
4.						
5.						
6.						

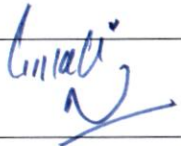
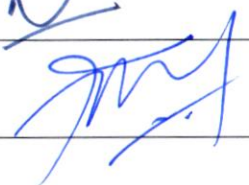
Muhamad Ali Khan
Muhamad Ali Khan
Secretary (Expenditure)

Farrukh Asif Ghani
Farrukh Asif Ghani
Secretary (Administration)

ATTENDANCE SHEET

(Technical & Financial Bid Evaluation /Procurement Committee Members)

for Technical Bids Opening Meeting held on 23th February, 2026 At 11:30 A.M regarding "Hiring of Authorized Vendors for Supply, Installation, and Maintenance of Production Monitoring System in Tyres Sector"

S.No.	Name of Officer & Designation	Time	Signature
1.	Muhammad Iqbal Khan . SEC-Exp		
2.	Farrukh Amir Sial. Sec (A)		
3.			
4.			
5.			
6.			
7.			

ATTENDANCE SHEET

(VENDORS)

for Technical Bids Opening Meeting held on 23th February, 2026 At 11:30 A.M regarding "Hiring of Authorized Vendors for Supply, Installation, and Maintenance of Production Monitoring System in Tyres Sector"

S.No.	Name of firms	Name of Bidders/Authorized Representative	CNIC No. & Contact No.	Signature
1.				
2.				
3.				
4.				
5.				
6.				
7.				

No representative from any firm attended the meeting submitted online.
Bid(s)

AUTHORIZED VENDORS FOR SUPPLY, INSTALLATION AND MAINTENANCE OF PRODUCTION MONITORING SYSTEM IN TYRES SECTOR

TECHNICAL BIDS EVALUATION SHEET

(Upon submission of proposals, bidders will be evaluated based on the Technical Evaluation Criteria specified above and the POC test. Vendors must achieve a minimum technical evaluation score of 70% and successfully meet the defined POC criteria. Any proposal that does not meet this minimum threshold will be considered non-compliant and will not be further considered in the bidding process)

S.No.	Evaluation Metric	Evaluation Criteria	Maximum Marks	M/s ISSM Labelling Solutions (Pvt) Ltd
1.	Relevant Industrial Solution Deployment	Proven deployment of Production Monitoring, Counting, or Track & Trace Solutions in any large-scale manufacturing industry (e.g., Steel, Cement, Automotive, FMCG, Pharma). • 2 or more live deployments – 10 marks • 1 live deployment – 5 marks • No live deployment – 0 marks	10	10
2.	Harsh Environment Capabilities	Demonstrated experience of deploying hardware in challenging industrial environments characterized by heat, dust, vibration, or humidity. • Proven experience in harsh environment – 10 marks • Experience in mild/controlled environment only – 5 marks	10	10
3	End-to-End System Integration	Practical capability to deliver the full stack, not just a hardware seller. Must demonstrate: • Edge Processing (IPCs/Controllers) • Connectivity (Industrial Networks/VPN) • Centralized Reporting (Dashboards/Databases) • Third-Party Integration (ERPs/Govt Systems)	10	10

4.	Proposed Solution Ruggedness (TyreSpecific Design)	Regardless of past experience, the Solution Proposed for THIS Tender must be engineered for the Tyre Sector: • Carbon Black Protection: Enclosures must be specified as IP65/IP66. • Heat Management: Active cooling/fans specified for Curing areas. • Vibration: Shock mounts/industrial cabling specified. • Maintenance: Design includes lens air-purges or easy-clean mechanisms.	40	25
20	Implementation & Support Strategy	Ability to deploy without stopping the factory and keep it running: • Timeline: Realistic installation schedule (during maintenance shutdowns). • Consumables Supply: Plan for supplying laser optics/filters/sensors locally. • SLA: Committed response time (e.g., 4-hour on-site). • Training: Plan to train factory staff on cleaning lenses/aligning sensors.	30	20
Total Marks/Scored Marks			100	75

Proof of Concept Report – Tyres

Date: 21st August 2026

Facility: Diamond Tyres (Pvt.) Ltd.- Lahore

Attendees: Shiraz Ali Khan, Abdur Rehman, Ali Saeed, Sajal Tariq, Kamran Arshad Satti, Saqib bajwa, Fakhar Sharif

Objective:

The primary objective of this exercise was to evaluate the solution demonstrated by M/s ISSM Labelling Solution Pvt. Ltd. (Hereinafter, 'the Vendor') This Proof of Concept (POC) for Tyres production monitoring was conducted in, at Diamond Tyres (Pvt.) Ltd (hereinafter, 'the manufacturer'), facility in Lahore, in adherence to the criteria defined in the official POC specifications documented on the FBR website.

SKU Tested:

Tyres

Key Equipment Deployed during POC, as provided by the Vendor:

Sr.No	Hardware Details GPU
1	CUDA Cores: 10,000 or above (or Equivalent Compute Units)
2	Tensor Cores: 300 or above (or Equivalent AI accelerators)
3	RT Cores: 80 or above (or equivalent ray tracing cores)
4	Base Clock: 2 GHz or above
5	Boost Clock: 2 GHz or above
6	Memory: 16 GB to 24 GB Minimum
7	Memory Bus Width: 256-bit or higher
8	Memory Bandwidth: Minimum 1000 GB/s
9	Cooling: Dual fan or Liquid Cooling
10	Power Supply: 133 W Platinum-grade PSU or above
Hardware Details CPU	
1	Processor: AMD Ryzen 97950x (or equivalent)

Shiraz Ali
Khan

Abdur Rehman

Ali
Saeed

Sajal Tariq

Kamran
Satti

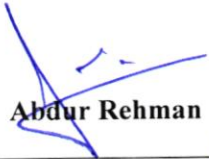
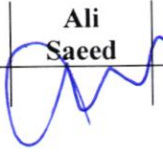
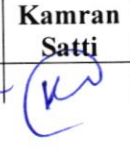
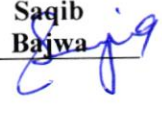
Fakhar
Sharif

Saqib
Bajwa

2	Cores: 16 cores with 32 threaded Processor
3	RAM: 32 GB DDR5
4	Storage: 2 x 1TB SSD (RAID 1)
5	Interface: PCI Express 4.0 x 16
6	Network: 1 Gigabit Ethernet Interface (RJ 45)
7	Base Clock: 4.5 GHz or above
8	Boose Clock 5.7 Ghz or above
9	Motherboard: X670 AORUS (or equivalent)
10	Cooling: Liquid Cooling Supported
Hardware Details Camera and NVR	
1	IP Cameras 1080P 5 MP
2	Industrial POE Switch 8 Port
3	NVR 16 PORT
4	UPS with 24 Hours Backup 3KVA'

Solution Topology:

The solution uses AI-based computer vision to monitor tyre production following the curing process. It detects and tracks tires as they move through the designated production area, identifies their visual characteristics and size/diameter, and classifies them into configured tyre categories such as motorcycle, rickshaw, and tractor tires as per the SKU. The system maintains real-time production counts by category and provides production visibility for downstream packaging operations.

 Shiraz Ali Khan	 Abdur Rehman	 Ali Saeed	 Sajal Tariq	 Kamran Satti	 Fakhar Sharif	 Saqib Bajwa
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POC Results

Sr. No.	Criterion	Test Description	Total Marks	Marks Obtained
1	Counting & Identification Accuracy	The Core Test: The vendor's solution will be compared against the Curing Press PLC Counter or Physical Manual Count for a batch of production (e.g., 50 Cured Tyres). <i>(If Laser Marking is proposed, this includes the successful reading of the engraved QR code.)</i> Scoring: • 99% – 100% Accuracy: 30 Marks • 95% – 98.9% Accuracy: 20 Marks • 90% – 94.9% Accuracy: 10 Marks • Below 90%: 0 Marks (Disqualified)	30	20
2	Environmental Endurance (Carbon Black & Heat)	The Stress Test: Hardware (Cameras/Sensors/Lasers) must be mounted in the actual Curing Zone or Takeaway Conveyor where temperatures exceed 50°C, steam is present, and conductive Carbon Black dust is heavy. Requirement: The system must operate continuously for 24 hours without thermal shutdown, lens fouling, or sensor drift. Scoring: • No hardware failure/restart required: 10 Marks • Required cleaning/intervention > 1 time: 0 Marks	10	10
3	Process Logic Validation (Dry Cycle vs. Production)	The Logic Test: The system must demonstrate the ability to distinguish between a valid production cycle and a maintenance cycle. The evaluator will simulate a "Dry Cycle" (opening/closing the press without a tyre) or pass a "Green Tyre" (uncured) if applicable. Scoring: • System correctly ignores "Dry Cycles" (Zero Count): 10 Marks • System falsely counts empty cycles as Production: Deduct 2 marks per error	10	6

Shiraz Ali Khan

Abdur Rehman

Ali Saeed

Sajal Tariq

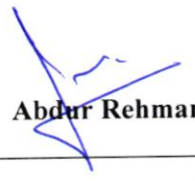
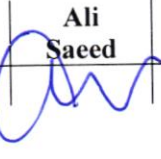
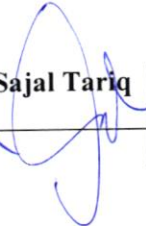
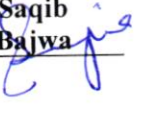
Kamran Satti

Fakhar Sharif

Saqib Bajwa

Sr. No.	Criterion	Test Description	Total Marks	Marks Obtained
4	Real-Time Data Latency	The Connectivity Test: The evaluator will time the delay between the physical production event (e.g., Tyre Ejection/Marking) and its appearance on the Dashboard. Scoring: • Data appears within < 60 seconds: 10 Marks • Data appears within 1–5 minutes: 5 Marks • Data takes > 5 minutes: 0 Marks	10	10
5	Tamper & Failure Response	The Security Test: The evaluator will simulate sabotage attempts: a) Physically blocking the Camera/Sensor view. b) Disconnecting the power/network cable. Scoring: • System generates an instant "Tamper Alert" or "Offline Alarm" on the dashboard: 10 Marks • System fails silently (no alert generated): 0 Marks	10	10
TOTAL MARKS		Total POC Score	70	56

POC in Images form:

 Shiraz Ali Khan	 Abdur Rehman	 Ali Saeed	 Sajal Tariq	 Kamran Satti	 Fakhar Sharif	 Saqib Bajwa
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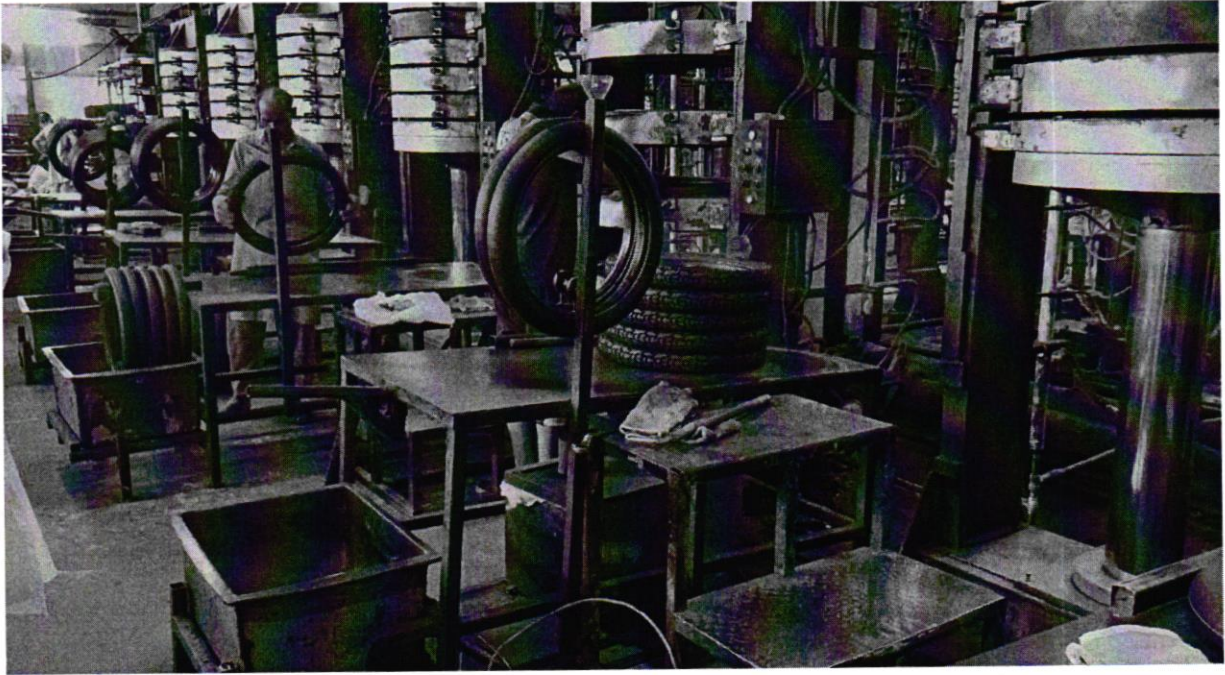


Image 1 – Tyre Curing & Handling Area

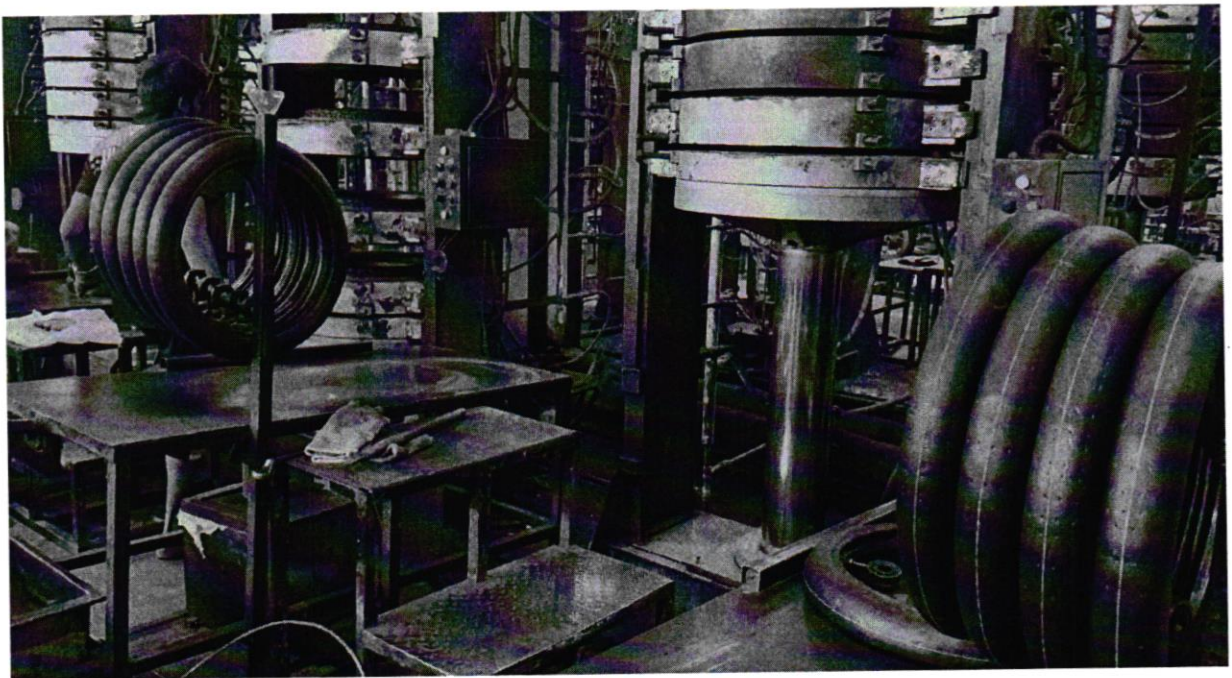


Image 2 – Tyre Curing & Handling Area

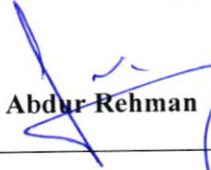
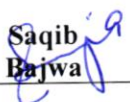
 Shiraz Ali Khan	 Abdur Rehman	 Ali Saeed	 Sajal Tariq	 Kamran Satti	 Fakhar Sharif	 Saqib Bajwa
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Image 3 – Curing Press Installation Point

Shiraz Ali Khan	Abdur Rehman	Ali Saeed	Sajal Tariq	Kamran Satti	Fakhar Sharif	Saqib Bajwa
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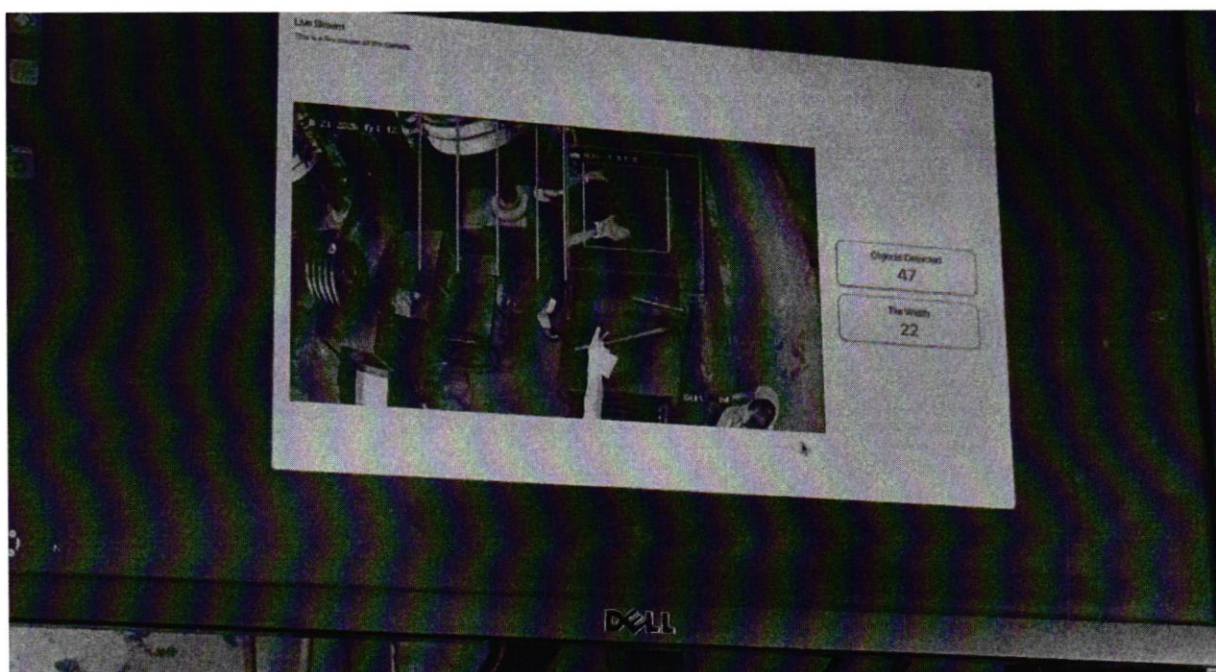


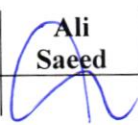
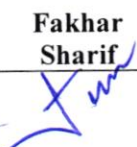
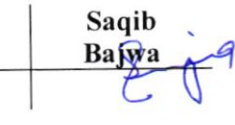
Image 4 – Live Detection Dashboard

POC Conclusions and Observations

The Proof of Concept was successfully completed. The solution demonstrated by M/s ISSM Workcycle met all criteria defined in the POC evaluation framework, obtaining full marks (56/70).

The AI-based video analytics solution performed reliably under live production conditions. The system accurately counted cured tyres against the curing press PLC counter and physical manual count, correctly identified instances of reverse placement, tracked tyre movement within the designated region of interest, distinguished valid production cycles from dry cycles, transmitted data to the dashboard within the required latency, and generated tamper and offline alerts as specified. The hardware operated continuously for 24 hours in the curing zone above 50°C, with steam and heavy conductive carbon black present, without thermal shutdown, lens fouling or sensor drift.

The POC Evaluation Team accordingly assesses the demonstrated solution as fit for purpose. As M/s ISSM Workcycle is the sole bidder in this procurement, the final technical competition envisaged for Stage 2 does not arise, and no revision of the demonstrated solution is required. The Team therefore recommends that the Committee may consider proceeding to authorization of the vendor under the applicable provisions of the Public Procurement Rules, 2004.

 Shiraz Ali Khan	 Abdur Rehman	 Ali Saeed	 Sajal Tariq	 Kamran Satti	 Fakhar Sharif	 Saqib Bajwa
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