

INVITATION TO BID

1(13)/TDU/IR/2026

[**AUTHORIZED VENDORS FOR SUPPLY, INSTALLATION AND MAINTENANCE OF PRODUCTION MONITORING SYSTEM IN EDIBLE OIL AND GHEE 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 the Active Taxpayers List (ATL) of FBR, for the deployment of a production monitoring, metering, and counting solution across Edible Oil and Ghee Manufacturing Units in Pakistan, in accordance with the Sales Tax Act, 1990 and Sales Tax Rules, 2006, for the purpose of granting license/authorization.
2. The vendors are required to submit their proposals for a production monitoring, volumetric flow tracking, and finished goods (SKU) counting solution, including but not limited to:
 - a. **IoT-Based Filling Line Monitoring & Flow Metering:** Sensors, Mass Flow Meters (Coriolis/Electromagnetic), or PLC-based gateways monitoring valid filling cycles and volumetric throughput at filling machines or nozzles to determine production output.
 - b. **AI-Based Vision Analytics for Production Counting:** Industrial cameras deployed on packaging or takeaway conveyor lines to count finished stock keeping units (SKUs) such as bottles, pouches, or tins in real time with automated validation.
 - c. **Integrated Marking and Verification Solutions:** Hybrid solutions combining filling-cycle or flow data with vision-based counting and Unique Identification Mark (UIM) verification (e.g., QR code scanning) to generate an auditable final production count.
 - d. The proposed solution must meet both the Technical and Proof of Concept (POC) evaluation criteria, including a preferable accuracy of 99% with a minimum acceptable threshold of 95%, as defined in Section V – Scope of Work, and must be cost-effective, scalable, and suitable for industrial refinery and packaging environments. The system shall be capable of accurately monitoring, counting, and reporting the production of Bulk Oil/Ghee and Finished Goods at identified production control points, including but not limited to Filling Nozzles, Capping Stations, and Bulk Dispatch Lines, ensuring real-time visibility, tamper resistance, and audit-ready data availability for taxation and regulatory purposes.
3. The proposed system shall be capable of accurately monitoring, measuring, counting, and reporting the production of Bulk Oil/Ghee (Metric Tons) and Finished SKUs at identified production control points, including but not limited to Filling Nozzles, Capping Stations, and Bulk Dispatch Lines, ensuring real-time visibility, tamper resistance, and audit-ready data availability for taxation and regulatory purposes.
4. 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 25th March 2026**.
5. 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.

6. The procurement shall be carried out in accordance with PPRA's **Two-Stage 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 monitoring & 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 select/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*.
7. In order to brief the eligible bidders about the project details and address the queries on the Bidding Document and suggestive improvements, a Pre- Bid Meeting will be held on **4th March, 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://us06web.zoom.us/j/84494035916?pwd=G0pIbimW9ONEJZNACZaztpYzb7s55k.1> Meeting ID: 844 9403 5916 Passcode: 176684. At the first or second stage, FBR may call multiple pre-bids or technical presentations.
8. 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, Floor, FBR House, Constitution Avenue, G-5, Islamabad, **on or before 1100 hours by 25th March, 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.
9. 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.
10. 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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