Standard Bidding Document

Tender P-55/2026 Procurement of Hardware, Software Supply & Infrastructure Implementation (Goods)

National

Single Stage-Two Envelope

CORRIGENDUM # 4	CORR-P112186-004
Initiation Date	October 23, 2026

October 23, 2026

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REQUEST FOR BIDS

PROCUREMENT OF GOODS

1. The **Pakistan Revenue Automation Pvt Limited (Pakistan Revenue Automation Pvt Limited)** has reserved Funds for the procurement planned for FY **2026-27**. The **Pakistan Revenue Automation Pvt Limited (Pakistan Revenue Automation Pvt Limited)** intends to apply part of the proceeds of this Fund to cover eligible payments under the contract for the " **Tender P-55/2026 Procurement of Hardware, Software Supply & Infrastructure Implementation**" with the reference of **"P112186"**

2. The **Pakistan Revenue Automation Pvt Limited (Pakistan Revenue Automation Pvt Limited)** invites sealed Bids from eligible Bidders for procurement of goods described in the bidding documents on **EPADS v2.0**.

3. **Single Stage-Two Envelope** will be used by adopting **Quality and Cost Based Selection (QCBS)** Technique for the subject procurement, in line with the Public Procurement Rules, 2004 and any Regulations, Regulatory Guides, Procurement Guidelines or Instructions issued by the Authority from time to time.

4. All Bids must be accompanied by a Bid Security amounting described in Bid Security Section in Bidding Document in the form of **Bid Security Not Applicable** or all bids must be accompanied by bid securing declaration in the format specified in the Bidding documents

5. E-Bidding documents, containing detailed terms & conditions, specifications and requirements etc. are available on **e-Pak Acquisition and Disposal System (EPADS)** at **https://epads.gov.pk/opportunities/federal/procurements/112186** for all the interested bidders registered on **EPADS v2.0**. Bidders are required to get themselves registered on **EPADS v2.0** to participate in Bidding process.

6. The e-bids, prepared in accordance with the instructions in the e-Bidding Documents, must be submitted through **EPADS v2.0** on or before **Wednesday, October 28, 2026 03:00 PM**. E-bids will be opened using **EPADS v2.0** on the same day at **Wednesday, October 28, 2026 03:30 PM**

. Manual submission of Bids shall not be entertained. Those vendors who have not yet registered on the new version of **EPADS v2.0,** may register themselves on **https://vendors.epads.gov.pk/**. A tutorial to explain the registration process is available at **https://www.youtube.com/watch?v=MNW6T38v7tc**

In terms of Rule 48 of Public Procurement Rules, 2004 Grievance Redressal Committee (GRC) is notified for the subject procurement and notification copy is available on the procuring agency's website and on Authority's website at (**www.ppra.org.pk**).

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Instructions to Bidders

A. Introduction

1.Scope of Bids

1.1 The Procuring Agency (PA), as indicated in the **Bids Data Sheet (BDS)** invites Bids **through EPADS v2.0** for the provision of Goods for as specified in the BDS and **in Section V – Evaluation Criteria, Specifications & Schedule of Requirements**. The name, identification, and number of items/deliverables are provided in the **BDS**. The successful Bidders will be expected to provide the goods within the specified period and timeline(s) as stated in the **BDS**.

2. Source of Funds

2.1 Source of funds is referred in Clause-1 of Invitation for Bids.

3. Eligible Bidders

3.1 A Bidder may be natural person, company or firm or public or semi-public agency of Pakistan or any foreign country**,** or any combination of them with a formal existing agreement (on Judicial Papers) in the form of a joint venture, consortium, or association. In the case of a joint venture, consortium, or association, all members shall be jointly and severally liable for the execution of the Contract in accordance with the terms and conditions of the Contract. The joint venture, consortium, or association shall nominate a Lead Member as nominated in the BDS, who shall have the authority to conduct all business for and on behalf of any and all the members of the joint venture, consortium, or association during the Bidding process, and in case of award of contract, during the execution of the contract.

3.2 Verifiable copy of the agreement that forms a joint venture, consortium or association shall be required to be submitted as part of the Bid.

3.3 The appointment of Lead Member in the joint venture, consortium, or association shall be confirmed by submission of a valid Power of Attorney to the Procuring Agency.

3.4 Any bid submitted by the joint venture, consortium or association shall indicate the part of proposed contract to be performed by each party and each party shall be evaluated (or post qualified if required) with respect to its contribution only, and the responsibilities of each party shall not be substantially altered without prior written approval of the Procuring Agency and in line with

any instructions issued by the Authority.

(The limit on the number of members of JV or Consortium or Association may be prescribed in BDS, in accordance with the guidelines issued by the PPRA).

3.5 The invitation for Bids is open to all prospective suppliers, manufacturers, or authorized agents / dealers subject to any provisions of incorporation or licensing by the respective national incorporating agency or statutory body established for that particular trade or business. Procuring agencies shall specify the registration/licensing requirements for the foreign bidders keeping in view the requirement of that business.

3.6 A Bidder shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest with one or more parties in this Bidding process, if they:

1. are associated or have been associated in the past, directly or indirectly with a firm or any of its affiliates which have been engaged by the Procuring Agency to provide consulting services for the preparation of the design, specifications and other documents to be used for the procurement of the Goods to be purchased under this Invitation for Bids.

2. have controlling shareholders in common; or

3. receive or have received any direct or indirect subsidy from any of them; or

4. have the same legal representative for purposes of this Bid; or

5. have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bids of another Bidder, or influence the decisions of the Procuring Agency regarding this Bidding process; or

6. Submit more than one Bid in this Bidding process.

3.7 A Bidder may be ineligible if –

1. he is declared bankrupt or, in the case of company or firm, insolvent;

2. payments in favor of the Bidder is suspended in accordance with the judgment of a court of law other than a judgment declaring bankruptcy and resulting (in accordance with the national laws) in the total or partial loss of the right to administer and dispose of its property;

3. the Bidder is convicted, by a final judgment, of any offence involving professional conduct;

4. the Bidder is blacklisted locally or by international organizations and hence debarred due to involvement in corrupt and fraudulent practices, or performance failure or due to breach of Bid securing declaration.

3.8 As and when required, bidders shall provide to the Procuring Agency evidence of their eligibility, proof of compliance with the necessary legal requirements to carry out the contract effectively.

3.9 Bidders shall submit Bids relating to the nature, conditions and modalities of sub-contracting wherever the sub-contracting of any elements of the contract amounting to more than ten (10) percent of the Bid price is envisaged.

4. Eligible Goods and Related Services

4.1 All goods and related services to be supplied under the contract shall have their origin in eligible source countries, and all expenditures made under the contract will be limited to such goods and services. For purpose of this Bid, ineligible countries are the countries declared ineligible by the Federal Government.

5. One Bid per Bidder

5.1 A bidder shall submit only one Bid, in the same bidding process, either individually as a Bidder or as a member in a joint venture or any similar arrangement.

5.2 The Bidder shall not engage a subcontractor for any portion of the contract if the value of such subcontracting exceeds thirty percent (30%) of the total contract amount.

6. Cost of Bidding

6.1 Any cost incurred by the bidder relating to the preparation and submission of its Bid shall be borne by the bidder, and the Procuring Agency shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

B. Bidding Documents

7. Contents of Bidding Document

7.1 The Goods required, Bidding procedures, and terms and conditions of the contract are prescribed in the Bidding Documents. In addition to the Invitation for Bids, the Bidding documents which should be read in conjunction with any addenda issued in accordance with **ITB 9.1** include:

Section I -Invitation to Bids

Section II Instructions to Bidders (ITB)

Section III Bid Data Sheet (BDS)

Section IV Evaluation Criteria, Specifications, Schedule of Requirements

Section V Bid Forms

Section VI General Conditions of Contract (GCC)

Section VII Special Conditions of Contract (SCC)

Section VIII Contract Forms

7.2 The Bidder is expected to examine all instructions, forms, terms and specifications in the Bidding documents. Failure to furnish all the information required in the Bidding documents through **EPADS v2.0** will be at the Bidder's risk and may result in the rejection of his Bids.

8. Clarification of Bidding documents

8.1 A prospective Bidder requiring any clarification of the Bidding documents may notify the Procuring Agency through **EPADS v2.0.**

8.2 The Procuring Agency will within three (3) working days after receiving the request for clarification, respond to any request for clarification through **EPADS v2.0** provided that such request is received not later than three (03) days prior to the deadline for the submission of Bids as prescribed in **ITB 22**

8.3 Copies of the Procuring Agency's response will be forwarded to all identified Prospective Bidders through **EPADS v2.0**, including a description of the inquiry, but without identifying its source.

8.4 Should the Procuring Agency deem it necessary to amend the Bidding document as a result of a clarification, it shall do so following the procedure under **ITB 9.**

8.5 If indicated **in the BDS**, the Bidder's designated representative is invited at the Bidder's cost to attend a pre-Bid meeting at the place, date and time mentioned **in the BDS**. During this pre-Bid meeting, prospective Bidders may request clarification of the schedule of requirement, the Evaluation Criteria or any other aspects of the Bidding document.

8.6 Minutes of the pre-Bid meeting, if applicable, including the text of the questions asked by Bidders, including those during the meeting (without identifying the source) and the responses given, together with any responses prepared after the meeting will be uploaded on **EPADS v2.0**. Any modification to the Bidding documents that may become necessary as a result of the pre-Bid meeting shall be made by the Procuring Agency exclusively through the use of an Addendum pursuant to **ITB 9**. Non-attendance at the pre-Bid meeting will not be a cause for disqualification of a Bidder.

9. Amendment of Bidding documents

9.1 Before the deadline for submission of Bids, the Procuring Agency for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder or Pre-Bid meeting may modify the Bidding documents by issuing addenda through **EPADS v2.0**.

9.2 The Procuring Agency shall promptly publish the addendum through **EPADS v2.0**.

9.3 Any addendum issued including the notice of any extension of the deadline shall also be communicated through EPADS v2.0 to all the bidders who have already submitted their bids. Such bidders shall have the right to withdraw their already submitted bid and re-submit the revised bid prior to the original or extended bid submission deadline.

9.4 To give prospective Bidders reasonable time in which to take an addendum/corrigendum into account in preparing their Bids, the Procuring Agency may, at its discretion, extend the deadline for the submission of Bids through **EPADS v2.0**:

Provided that the Procuring Agency shall extend the deadline for submission of Bids, if such an addendum is issued within last three (03) days of the Bids submission deadline.

C. Preparation of Bids

10. Language of Bid

10.1 The Bid prepared by the bidder, as well as all correspondence and documents relating to the Bids exchanged by the Bidder and the Procuring Agency shall be written in the English language unless otherwise specified in the BDS**.** Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant pages in the English language unless otherwise specified in the **BDS**, in which case, for purposes of interpretation of the Bidder, the translation shall govern.

11. Documents and samples Constituting the Bid

11.1 The Bid prepared by the Bidder shall constitute thedocuments required in the **BDS**.

Details of sample(s) where applicable and requested in the BDS.

1. Documentary evidence established in accordance with ITB that the Bidder is eligible and/or qualified for the subject bidding process;

2. Documentary evidence establish that the Bidder has been authorized by the manufacturer to deliver the goods into Pakistan, where required and where the supplier is not the manufacturer of those goods;

3. Documentary evidence establish that the goods and related services to be supplied by the Bidder are eligible goods and services, and conform to the Bidding Documents;

4. Bid security or Bid Securing Declaration furnished in accordance with **ITB 18.**

12. Documents Establishing Eligibility of the Goods and Conformity to Bidding documents

12.1 To establish the conformity of the bidder to the Bidding document, the Bidder shall furnish as part of its Bids the documentary evidence that Goods provided conform to the technical specifications and standards.

13. Documents Establishing Eligibility and Qualification of the Bidder

13.1 The Bidder shall furnish, as part of itsBid, all those documents establishing the Bidder's eligibility to participate in the Bidding process and/or its qualification to perform the contract if its Bid is accepted.

14. Form of Bids

14.1 The Bidder shall fill the Form of Bid furnished in the Bidding documents.The Bids Form must be completed without any alterations to its format and no substitute shall be accepted.

15. Bids Prices

15.1 The Bids Prices quoted by the Bidder in the Form of Bid and in the Price Schedules shall conform to the requirements specified below or exclusively mentioned hereafter in the Bidding documents.

15.2 All items in the Schedule of Requirement must be listed and priced separately in the Price Schedule(s). If a Price Schedule shows items listed but not priced and neither explicitly denied, their prices shall be construed to be included in the prices of other items.

15.3 Items not listed in the Price Schedule shall be assumed not to be included in the Bid, and provided that the Bid is still substantially responsive in their absence or due to their nominal nature, the corresponding average price of the respective item(s) of the remaining substantially responsive Bidder(s) shall be construed to be the price of those missing item(s)

15.4 The Bid price to be quoted in the Form of Bid in accordance with **ITB 14.1** shall be the total price of the Bid.

15.5 The Bidder shall indicate on the appropriate Price Schedule, the unit prices (where applicable) and total Bid price of the Goods it proposes to provide under the contract.

15.6 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account. A Bid submitted with an adjustable price will be treated as non-responsive and shall be rejected.

16. Bids Currencies

16.1 Prices shall be quoted in Pakistani Rupees unless otherwise specified in the BDS in accordance with Rule 30 (2) of the Public Procurement Rules, 2004.

17. Bids Validity Period

17.1 Bids shall remain valid for the period specified in the **BDS** after the Bid submission deadline prescribed by the Procuring Agency. A Bid valid for a shorter period shall be rejected by the Procuring Agency as non-responsive**.** The period of Bid validity will be determined from the complementary Bid securing instrument, i.e. the expiry period of Bid Security or Bids Securing Declaration as the case may be.

17.2 The procuring agency shall ordinarily be under an obligation to process and evaluate the bid and to issue letter of award within the stipulated bid validity period.

17.3 Under exceptional circumstances, prior to the expiration of the initial Bid validity period, the Procuring Agency may request the Bidders' consent to an extension of the period of validity of their Bids only once through **EPADS v2.0**, for the period not more than the period of initial bid validity. The Bid Security provided under **ITB 18** shall also be suitably extended. A Bidder may refuse the request without forfeiting its Bid security or causing to be executed its Bid Securing Declaration. A Bidder agreeing to the request will not be required nor permitted to modify its Bid, but will be required to extend the validity of its Bid Security or Bid Securing Declaration for the period of the extension.

18. Bid Security or Bid Securing Declaration

18.1 The Bidder shall furnish as part of its Bid, a Bid Security in accordance with Rule 25 of the Public Procurement Rules, 2004.

18.2 The original Bid Security shall be enclosed within the sealed envelope and to be submitted physically before closing time for submission of bids. Whereas, scanned copy of bid security shall be uploaded electronically through EPADS v2.0 before closing hours for submission of bids.

18.3 The Bidder who failed to submit the original Bids security before the submission deadline shall be disqualified straightaway.

18.4 The Bid Security or Bid Securing Declaration is required to protect the Procuring Agency against the risk of Bidder's conduct which would warrant the security's forfeiture, pursuant to **ITB 18.7.**

18.5 The Bid Security shall be denominated in the local currency, and it shall be a Bank Draft in the name of the Procuring Agency and valid for twenty-eight (28) days beyond the end of the validity of the Bid. This shall also apply if the period

for Bids/Bid Validity is extended. In either case, the form must include the complete name of the Bidder.

18.6 The Bid Security shall be payable promptly upon written demand by the Procuring Agency in case any of the conditions listed in **ITB 18** are invoked.

18.7 Unsuccessful Bidders' Bid Security will be discharged or returned as promptly as possible, however in no case later than thirty (30) days after the expiration of the period of Bids Validity prescribed by the Procuring Agency pursuant to **ITB 17**. The Procuring Agency shall make no claim to the amount of the Bid Security, and shall promptly return the Bid Security document, after whichever of the following that occurs earliest:

a. the expiry of the Bid Security;

b. the entry into force of a procurement contract and the provision of a Performance Guarantee, for the performance of the contract if such a guarantee, is required by the Bid documents;

c. the rejection by the Procuring Agency of all Bids;

d. the withdrawal of the Bids prior to the deadline for the submission of Bids, unless the Bids documents stipulate that no such withdrawal is permitted.

18.8 The successful Bidder's Bids Security will be discharged upon the Bidder signing the contract**,** or furnishing the Performance Guarantee.

18.9 The Bid Security may be forfeited or the Bid Securing Declaration executed:

a. if a Bidder:

b. withdraws its Bid during the period of Bid Validity as specified by the Procuring Agency, and referred by the Bidder on the Form of Bids except as provided for in **ITB 17.2**; or

c. does not accept the correction of errors**;** or

d. in the case of a successful Bidder, if the Bidder fails:

e. to sign the contract; or

f. to furnish Performance Guarantee**.**

19. Withdrawal, Substitution, and Modification of Bid

19.1 Before Bid submission deadline, any Bidder may withdraw, substitute, or modify its Bid after it has been submitted through EPADS v2.0. Bids requested to be withdrawn, shall be returned unopened to the Bidders through **EPADS v2.0**.

20. Format and Signing of Bid

20.1 The Bidder shall prepare and submit Bids with due diligence after carefully reading all the terms and condition **before bid submission deadline** through EPADS v2.0.

D. Submission of Bids

21. Submission of Bids through EPADS v2.0

21.1 The Technical and Financial Bids if required to submitted, shall be submitted on **EPADS v2.0**.

22. Deadline for Submission of Bids

22.1 Bids shall be received by the Procuring Agency through **EPADS v2.0** before bid submission deadline.

22.2 The Procuring Agency may, under exceptional circumstances, extend the deadline for the submission of Bids, after recording reasons in writing and in an equal opportunity manner.

In such case, all rights and obligations of the Procuring Agency and the Bidders that were previously governed by the original deadline shall thereafter be subject to the revised deadline.

E. Opening and Evaluation of Bids

23. Opening of Bids

23.1 The Bid Evaluation Committee of the Procuring Agency shall open all Bids through the EPADS v2.0, on the date and time specified in the Bid Data Sheet (BDS).

23.2 The Bid Evaluation Committee **shall generate minutes through EPADS v2.0 containing brief details of bid opening process.** The record of the Bid opening shall include, as a minimum: the name of the Bidder, the Bid price if applicable, and the presence or absence of a Bid Security or Bid Securing Declaration.

23.3 The procuring agency shall live broadcast the opening of bids on national media or on their website or digital channels, if the volume of procurement exceeds five hundred million rupees in case of goods and services and one thousand million rupees in case of works.

23.4 In case the date of opening of bid has been declared as public holiday or the procuring agency fail to open bid due to any EPADS v2.0 related issues, the submission and opening of bids shall be shifted to the next working day on the same time.

23.5 In case of Single Stage One Envelope Procedure, the Bidders names, the Bid prices, the total amount of each Bid and, the presence or absence of Bid Security, Bid Securing Declaration and such other details as the Procuring Agency may consider appropriate, will be announced by the Bid Evaluation Committee.

24. Clarification of Bids

24.1 To assist in the examination, evaluation and comparison of Bids of the Bidders, the Procuring Agency may, ask any Bidder for a clarification of its Bid including breakdown of prices.

24.2 The request for clarification and the response shall be sought through EPADS v2.0 before **three days prior to the deadline for submission of bids.** No change in the prices or substance of the Bids shall be sought, offered, or permitted.

24.3 The alteration or modification in the BIDS which in any way affect the following parameters will be considered as a change in the substance of a Bids:

1. evaluation & qualification criteria;
2. required scope of work or specifications;
3. all securities requirements;
4. tax requirements;

5. terms and conditions of Bidding documents.

6. change in the ranking of the Bidder

24.4 From the time of Bids opening to the time of Contract award if any Bidder wishes to contact the Procuring Agency on any matter related to the Bids it should do so through **EPADS v2.0**.

25. Preliminary Examination of Bids

25.1 Prior to the detailed evaluation of Bids, the Procuring Agency will determine whether each Bid:

1. meets the eligibility criteria defined in **ITB 3**;

2. has been prepared as per the format and contents defined by the Procuring Agency in the Bidding documents;

3. is accompanied by the required securities; and

4. is substantially responsive to the requirements of the Bidding documents.

25.2 The Procuring Agency's determination of a Bid's responsiveness will be based on the contents of the Bid itself.

25.3 A substantially responsive Bid is one which conforms to all the terms, conditions, and specifications of the Bidding documents, without material deviation or reservation. A material deviation or reservation is one that: -

1. affects in any substantial way the scope, quality, or performance of the Goods;

2. limits in any substantial way, inconsistent with the Bidding documents, the Procuring Agency's rights or the Bidders obligations under the Contract; or

3. if rectified, would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids.

25.3 If a Bids is not substantially responsive, it will be rejected by the Procuring Agency and may not subsequently be evaluated for complete technical responsiveness.

26. Examination of Terms and Conditions; Technical Evaluation

26.1 The Procuring Agency shall examine the Bids to confirm that all terms and conditions specified in the **GCC** and the **SCC** have been accepted by the Bidder without any material deviation or reservation.

26.2 The Procuring Agency shall evaluate the technical aspects of the Bids submitted, to confirm that all requirements specified in Schedule of Requirements and Technical Specifications of the Bidding documents have been met without material deviation or reservation.

26.3 If after the examination of the terms and conditions and the technical evaluation, the Procuring Agency determines that the Bid is not substantially responsive in accordance with **ITB 25.2,** it shall reject the Bid.

27. Correction of Errors

27.1 Bids determined to be substantially responsive will be checked for any arithmetic errors. Errors will be corrected as follows: -

1. if there is a discrepancy between unit prices and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected, unless in the opinion of the Procuring Agency there is an obvious misplacement of the decimal point in the unit price, in which the total price as quoted shall govern and the unit price shall be corrected;

2. if there is an error in a total corresponding to the addition or subtraction of sub-totals, the sub-totals shall prevail and the total shall be corrected; and

3. where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.

4. Where there is discrepancy between grand total of price schedule and amount mentioned on the Form of Bids, the amount referred in Price Schedule shall be treated as correct subject to elimination of other errors.

27.2 The amount stated in the Bid will, be adjusted by the Procuring Agency in accordance with the above procedure for the correction of errors and, with the concurrence of the Bidder, shall be considered as binding upon the Bidder. If the Bidder does not accept the corrected amount, its Bid will then be rejected, and the Bid Security may be forfeited or the Bids Securing Declaration may be executed.

28. Conversion to Single Currency

28.1 To facilitate evaluation and comparison, the Procuring Agency will convert all Bids prices expressed in the amounts in various currencies in which the Bids prices are payable. For the purposes of comparison of bids quoted in different currencies, the price shall be converted into a single currency specified in the bidding documents. The rate of exchange shall be the selling rate prevailing on the date of opening of financial bids specified in the bidding documents, in accordance with weighted average customer exchange rates list issued by the State Bank of Pakistan on that day.

29. Evaluation of Bids

29.1 The Bids, quotations, or proposals shall be evaluated by the respective evaluation committees as per evaluation criteria described in the Bidding Documents in accordance with Rule 29 and 30 of the Public Procurement Rules, 2004.

1. Least Cost Based Selection (LCBS)

After meeting the requirements of eligibility, qualification and substantial responsiveness, the bid in compliance with all the mandatory (technical) specifications/requirements and/or requisite quality threshold (if any), and having lowest evaluated cost (or financial proposal) shall be considered Successful Bid.

2. Quality and Cost Based Selection (QCBS)

In such combination, there shall be some specific weightage of both the technical features and financial aspects of the proposal. The financial marks shall be awarded on the basis of inverse proportion calculations. The successful bid shall be declared, on the basis of combined evaluation.

3. Quality Based Selection (QBS)

Atter meeting the requirements of eligibility, qualification and substantial responsiveness the bid in compliance with all the mandatory (technical) specifications/requirements and attaining highest marks in the Technical Evaluation considering all other qualitative and/or quantitative parameters (or point rated criteria) for technical proposal(s) such as working methodology, implementation plan, resource allocation, additional functionalities, risk management approach, knowledge transfer techniques, post implementation methodology etc. shall be treated as highest ranked bid. Later on, the financial proposal of highest ranked bidder shall be opened, however, in case of failure to proceed further with such a bidder, the procuring agency may resort to second

highest bidder and so on.

29.2 In case of tie of bids, the bidders shall be provided an opportunity to offer their best and final monetary offer through EPADS v2.0. However, in no case the rates shall be higher than the original financial bids.

30. Domestic Preference

30.1 The procuring agency shall evaluate and compare bids, allow for preference to domestic bidders, while competing with the international bidders in accordance with the policies of Federal Government.

The percentage of preference, to be accorded shall be clearly mentioned in the bidding documents under the bid evaluation criteria.

31. Determination of Successful Bid

31.1 Selection technique will be adopted for determining the Successful Bid in accordance with the criteria referred in the BDS or prescribed in the separate section titled as Evaluation Criteria.

31.2 In case where the Procuring Agency adopts the Cost Based Evaluation Technique and, the Bid with the lowest evaluated price from amongst those which are eligible, compliant and substantially responsive shall be the Successful Bid.

31.3 The Procuring Agency may adopt the Quality & Cost Based Selection Technique due to the following two reasons:

1. Where the Procuring Agency knows about the main features, usage and output of the products; however not clear about the complete features, technical specifications and functionalities of the goods to be procured and requires the bidders to submit their proposals defining those features, specifications and functionalities; or

2. Where the Procuring Agency, in addition to the mandatory requirements and mandatory technical specifications, requires parameters specified in Evaluation Criteria to be evaluated while determining the quality of the goods.

31.4 In such cases, the Procuring Agency may allocate certain weightage to these factors as a part of Evaluation Criteria, and may determine the ranking of the bidders on the basis of combined evaluation in accordance with provisions of Rule 2(1)(h) of the Public Procurement Rules, 2004.

32. Abnormally Low Financial Bids

32.1Where the Bid price is considered to be abnormally low, the Procuring Agency shall perform price analysis either during determination of Successful Bids or as a part of the post-qualification process.

32.2 The Procuring Agency may reject an Abnormally low financial bids.

32.3 In order to identify the Abnormally Low Bids (ALB) following approaches can be considered to minimize the scope of subjectivity:

1. Comparing the Bids price with the cost estimate;

2. Comparing the Bids price with the Bids offered by other Bidders submitting substantially responsive Bids; and

3. Comparing the Bids price with prices paid in similar contracts in the recent past either government- or development partner-funded.

32.4 The Procuring Agency will determine to its satisfaction whether the Bidder that is selected as having submitted the successful bid is qualified to perform the contract satisfactorily.

32.5 The determination will take into account the Bidder's financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, as well as such other information as the Procuring Agency deems necessary and appropriate. Factors not included in these Bidding documents shall not be used in the evaluation of the Bidders' qualifications.

32.6 Procuring Agency may seek "Certificate for Independent Price Determination" from the Bidder and the results of reference checks may be used in determining an award of contract.

Explanation: The Certificate shall be furnished by the Bidder. The Bidder shall certify that the price is determined keeping in view of all the essential aspects such as raw material, its processing, value addition, optimization of resources due to economy of scale, transportation, insurance and margin of profit etc.

32.7 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's Bids, in which event the Procuring Agency will proceed to the next ranked Bidder to make a similar determination of that Bidder's capabilities to

perform satisfactorily.

F. Award of Contract

33. Criteria of Award

33.1 The Procuring Agency will award the Contract to the Bidder whose Bids has been determined to be substantially responsive to the Bidding documents and who has been declared as Most Advantageous Bidder.

34. Negotiations

34.1 The procuring agency shall not engage in negotiations with respect to scope and price with the bidder except when the procuring agency conducts a procurement using direct **or negotiated** contracting or a request for proposals with evaluation based on quality alone.

34.2 The procuring agency may negotiate with the most advantageous bid with a view to streamline the work or task execution, at the time of contract finalization on methodology, work plan, staffing, finalizing payment arrangements, delivery arrangements, minor amendments to the special conditions of the contract.

35. Procuring Agency Right to reject all bids

35.1 The Procuring Agency reserves the right to reject all bids or proposals at any time prior to the issuance of the Letter of Award, without incurring any liability, in accordance with Rule 33 of the Public Procurement Rules, 2004.

36. Procuring Agency’s Right to Vary Quantities at the Time of Award

36.1 The Procuring Agency reserves the right at the time of contract award to increase or decrease the **quantity of** Goods originally specified in these Bidding documents provided this does not exceed **by** 15%, without any change in unit price or other terms and conditions of the Bids and Bidding documents.

37. Notification of Award

37.1 Prior to the award of contract, the procuring agency shall announce and publish the result of bid evaluation on **EPADS v2.0** in accordance with Rule 35

of the Public Procurement Rules, 2004.

37.2 The Bidder whose Bids has been accepted will be notified of the award by the Procuring Agency prior to expiration of the Bids/Bid Validity period. The Letter of Award will state the sum that the Procuring Agency will pay the successful Bidder in consideration for the delivery of Goods as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price).

37.3 The Letter of award will constitute the formation of the Contract, subject to the Bidder furnishing the Performance Guarantee and signing of the contract.

38. Signing of Contract

38.1 Promptly after issuance of Letter of award, Procuring Agency shall send the successful Bidder the draft Contract, incorporating all terms and conditions as agreed by the parties to the contract.

38.2 Immediately after the Redressal of grievance by the GRC (if any), mandatory standstill period in accordance with Rule 35 of the Public Procurement Rules, 2004 and **after fulfillment of all condition's precedent** of the Contract Form, the successful Bidder and the Procuring Agency shall sign the Contract.

39. Corrupt & Fraudulent Practices

39.1 Procuring Agencies (including beneficiaries of Government funded projects and procurement) as well as Bidders/Contractors under Government financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts, and will avoid to engage in any corrupt and fraudulent practices.

F. Grievance Redressal & Complaint Review Mechanism

40. Constitution of Grievance Redressal

40.1 The Grievance Redressal Committee shall address the grievance, if any submitted by any party, including the bidder, in accordance with Rule 48 of the Public Procurement Rules, 2004 to be read with Redressal of Grievances Regulations, 2021.

40.2 In case if any party or the bidder is not satisfied with the decision of the GRC or if it fails to decide within ten days, the bidder or the party may file an appeal before the Appellate Committee of the Authority in accordance with Rule 48 of the Public Procurement Rules, 2004 to be read with Redressal of Grievances Regulations, 2021.

G. Mechanism of Blacklisting

41. Mechanism of Blacklisting

41.1 The Procuring Agency shall initiate blacklisting proceedings against any bidder, supplier, or contractor in accordance with the Mechanism for Blacklisting Regulations, 2024, read with Rule 19 of the Public Procurement Rules, 2004.

41.2 The blacklisted/debarred bidder may file the review petition before the Authority in accordance with Rule 19 of the Public Procurement Rules, 2004 to be read with Procedure of filing and disposal of Review Petitions Regulations, 2021.

Bid Data Sheet

Bids Data Sheet (BDS)

The following specific data for the procurement of Goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

BDS Clause Number
ITB Number
Amendments of, and Supplements to, Clauses in the Instruction to Bidders

A. Introduction

BDS Clause Number 1
ITB Number 1.1

Name of Procuring Agency: **Pakistan Revenue Automation Pvt Limited (Pakistan Revenue Automation Pvt Limited)**

The subject of procurement is: **Tender P-55/2026 Procurement of Hardware, Software Supply & Infrastructure Implementation**

Expected commencement date: **Wednesday, December 30, 2026**

BDS Clause Number 2
ITB Number 2.1

Financial year for the operations of the Procuring Agency: **2026-27**

Name and identification number of the Contract: **P112186**

BDS Clause Number 3
ITB Clause Number 3.1

JV/Consortium or Association Allowed: **Yes**
Number of JV/Consortium Members: **3**
see section of eligibility criteria.

B. Bidding Documents

BDS Clause Number 4
ITB Number 8.1

The Bidders may seek clarifications through **EPADS v2.0** : Clarification Date: Sunday, October 25, 2026
Pre-Bid Meeting: Monday, September 28, 2026 11:00 AM
Venue: RTO Building, G-9, Mauve Area, Islamabad
Meeting Link: https://us06web.zoom.us/j/83340162092?pwd=nKpR972KP8CkTmpAK2DP5QGdpgfAhy.1

C. Preparation of Bids

BDS Clause Number 5
ITB Number 10.1

The Language of all correspondences and documents related to the Bids shall be in: **English**

List of documents required along with the bid: No

BDS Clause Number 6
ITB Number 11.1
Items/Lots and their related documents:
See section items and Lots

BDS Clause Number 7
ITB Number 12.1

Items / Lots Specifications:

see section of items specifications.

BDS Clause Number 8
ITB Number 15.6

The price shall be **Fixed**.

BDS Clause Number 9
ITB Number 16.1

Currency of the Bids shall be : **PKR**

BDS Clause Number 10
ITB Number 17.1

The Bids/Bid Validity period shall be: **120 Days**

BDS Clause Number 11
ITB Number 18.1

The amount of Bid Security shall be as defined in Bid Security Section for items and lots given in **BDS 6**
The Bid Security shall be in the form of:

D. Submission of Bids

BDS Clause Number 12
ITB Number 20.1

Bid shall be submitted online on EPADS v2.0 whereas hard copy of the bid security should be submitted to the following;

Galaxy Business Center, 2nd Floor, Plot # 266-B, Street # 9, Sector I-9/3, Islamabad, Islamabad Capital Territory before bid submission deadline.

Bids that are not submitted on EPADS v2.0 shall be disqualified.

The deadline for Bids submission is: **Wednesday, October 28, 2026 03:00 PM**

E. Opening and Evaluation of Bids

BDS Clause Number 13
ITB Number 23.1

The Bids opening shall take place on **EPADS v2.0**.

Day *:* ***Wednesday***

Date: ***Wednesday, October 28, 2026***

Time *:* ***03:30 PM***

BDS Clause Number 14
ITB Number 31.1

Selection technique adopted will be: **Quality and Cost Based Selection (QCBS)**
see Evaluation Criteria

F. Review of Procurement Decisions

BDS Clause Number 15
ITB Number 41.1

Grievence against this procurement shall be submitted online on EPADS v2.0.

Arbitrator shall be appointed by mutual consent of the both parties.

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Eligibility Criteria

Eligible Bidders: Partnership Firm, Company (Private Limited), Company (Public Limited), Company (Holding Company), Company (Limited by Guarantee), State Owned Enterprise (Private Limited), State Owned Enterprise (Public Limited)

Required Registration
FBR (NTN) FBR (GSTN)

Eligibility Criteria	Document
Full On-Premises Deployment: No component, pipeline, data asset, or process may reside on or transit through any public cloud infrastructure or external network at any point. The complete CDH shall operate exclusively within the designated on-premises network perimeter. All software and operating system licenses shall be included in the vendor's proposal.	Yes
Complete Software Stack for the Full Reference Architecture: The Vendor must provide a software stack covering every component of the Reference Architecture in Section 5.2, including Data Ingestion, MPP, Object Storage, Governance, AI/ML Processing and BI. Each component must be named with its product, license model, and vendor support. Any proposal missing or leaving a component unaddressed shall be disqualified.	Yes

Data Ingestion Tool Capabilities: The Vendor's proposed data ingestion tool stack must natively support Change Data Capture (CDC), real-time streaming, and API-based ingestion as first-class capabilities. CDC must be log-based. Real-time streaming must support continuous, low-latency event processing. Any proposal that does not demonstrate all three capabilities natively within the proposed ingestion tool stack shall be disqualified.	Yes
MPP Enterprise Data Warehouse: The Vendor must propose an enterprise grade MPP data warehouse delivered as a purpose built, OEM engineered machine, with compute, storage, and networking pre-integrated as a single appliance. Software only MPP engines on generic commodity hardware are not acceptable. The proposed system must have published performance benchmarks. Proposals not meeting this shall be disqualified.	Yes
Object Storage: The Vendor must propose a purpose-built object storage system. Commodity hardware and software-defined storage solutions are not acceptable. The proposed object storage must be natively compatible with the proposed MPP platform, with direct, native integration and without reliance on third-party connectors or middleware. Proposals not meeting this shall be disqualified.	Yes
BI Tool: The Vendor must propose an enterprise grade BI tool with native connectivity to the proposed Object Store and MPP platform. The tool must support self-service reporting and dashboarding for business users, in addition to standard scheduled and operational reporting. Proposals not meeting this shall be disqualified.	Yes
Minimum average annual turnover of PKR 2.0 billion over the last three (3) fiscal years, certified by a Chartered Accountant. In the case of a Joint Venture (JV), this turnover may be met through the combined average annual turnover of all JV partners. Additionally, where applicable, the turnover/financial standing of the OEM (in support of the Bidder/JV through an OEM authorization or support letter) may be combined with the Bidder's/JV's turnover to meet the minimum eligibility threshold.	Yes
Enterprise-scale Hardware/Software Readiness: Minimum of two (2) completed enterprise-scale Hardware/Software Readiness or Infrastructure Deployment engagements (covering procurement, installation, configuration, and commissioning of hardware and/or software systems), each with a contract value of USD 1,000,000 or above (or PKR equivalent), operational/live in production for at least twelve (12) months.	Yes

Continuous Operation: Minimum of (3-4) years of continuous operation as a registered entity providing enterprise hardware/software procurement, integration, and support services, with demonstrated experience as an authorized reseller/partner of relevant OEMs.	Yes
Data Governance Tool: The Vendor must propose an enterprise grade data governance tool backed by vendor support with a defined SLA. Community supported or open-source tools without enterprise support are not acceptable. The tool must align with latest DAMA-DMBOK principles, covering Business Glossary, Data Quality, Data Classification, Data Ownership & Stewardship, Metadata management, Data Lineage, and Master data management. Proposals not meeting this shall be disqualified.	Yes
The proposed platform engine shall natively support both (OLTP) and Online Analytical Processing (OLAP) within a single unified engine, combined with genuine Hybrid Transactional and Analytical Processing (HTAP), delivered natively by the platform engine itself rather than via federation of separate specialized systems. Proposals that do not demonstrate native Multi-Model / HTAP capability, evidenced by vendor-published global reference deployment data, shall be disqualified from Evaluation.	Yes

Evaluation Criteria

Eligibile bidder(s) with substantially responsive bid(s) offering **Quality and Cost Based Selection (QCBS)** shall be consider for the award of contract(s).

Quality and Cost Based Selection (QCBS)

Weightage

Technical Evaluation %	Financial Evaluation %
70	30

Technical Marks	100
Passing Marks	**70**
Technical Solution	
Solution Cohesiveness & Enterprise Support (Qualitative)(Doc Required) Vendor shall demonstrate an integrated, enterprise-supported infrastructure solution covering all required hardware and infrastructure software components (Section 6), using the minimum number of distinct products necessary to avoid unnecessary architectural complexity. Where multiple components serve overlapping functions, the Vendor shall justify why a single consolidated component was not used instead. End-to-end infrastructure architecture diagram showing all proposed hardware/software components and integration points; enterprise support agreement or OEM partnership evidence for each proposed component. **(8)**	8

Solution Architecture ELT/Data Integration (Qualitative)(Doc Required) Data integration and ingestion covering source connectivity that covers schema enforcement, CDC methodology, and data quality controls. Assessed on completeness of source-to-target mapping approach and robustness of the proposed ingestion methodology. Network and connectivity architecture diagram, infrastructure design document, and source system connectivity matrix. **(5)**	5
Solution Architecture MPP Enterprise Data Warehouse (Database Engine) (Qualitative)(Doc Required) Enterprise Data Warehouse engine covering parallel query processing, workload management, and query optimization capability, in line with Section 5.7. Assessed on architectural soundness and alignment with sizing requirements in Section 6. Design of the compute and storage infrastructure supporting the MPP Enterprise Data Warehouse, covering node sizing, cluster architecture, and storage performance characteristics, in line with Section 6 **(7)**	7
Solution Architecture Object Storage/ Lakehouse (Qualitative)(Doc Required) Object storage and Lakehouse layer covering medallion architecture (bronze/silver/gold), open table format support, and native object storage connectivity from the MPP engine. Assessed on architectural completeness and open-format compliance, also covering capacity planning, redundancy, and performance characteristics, in line with Section 6. Design of the storage infrastructure layer covering capacity planning, redundancy, performance characteristics, and connectivity architecture to support object storage workloads, in line with Section 6 **(5)**	5
Solution Architecture Compute Cluster/AI-ML Platform (Qualitative)(Doc Required) Distributed compute cluster supporting AI/ML workloads and micro-batch/stream processing, covering compute-storage separation and workload isolation from the MPP engine. Assessed on scalability and workload isolation approach. Compute cluster architecture diagram and AI/ML platform design. **(5)**	5

BI Tools for Analytics (Qualitative)(Doc Required) The Vendor shall specify the proposed BI/semantic layer tool and describe its integration with other platform components (e.g., MPP Enterprise Data Warehouse, Lakehouse, Data Governance and Catalog). Assessed on completeness of the proposed self-service and reporting architecture, and the robustness of tool selection and cross-tool integration; BI/semantic layer architecture diagram and tool selection justification. **(6)**	6
Real-Time/ Streaming Data Ingestion (Qualitative)(Doc Required) Compute layer (real-time streaming compute clusters) covering node architecture, workload isolation, and alignment with sizing requirements in Section 6. Streaming compute architecture diagram, node/cluster sizing document, and evidence of infrastructure throughput/latency benchmarks for comparable deployments. **(5)**	5
HTAP/Multi-Model Processing Capability (Qualitative)(Doc Required) The proposed Solution Architecture shall demonstrate native multi-model processing capability, supporting both Online Transaction Processing (OLTP) and Online Analytical Processing (OLAP) within a single unified engine, combined with genuine Hybrid Transactional and Analytical Processing (HTAP), rather than federation of separate specialized systems. Assessed on evidence of native (non-federated) HTAP capability and alignment with the mixed transactional/analytical profile: HTAP/multi-model architecture diagram, and vendor-published benchmark or reference deployment evidence demonstrating concurrent OLTP/OLAP processing without ETL-driven replication. **(7)**	7

Data Governance and Security (Qualitative)(Doc Required) Demonstrated approach to RBAC, field-level encryption, dynamic data masking, PII protection, audit logging, and latest DAMA-DMBOK alignment across all platform layers. Catalog layer covering metadata management, business glossary, data lineage, and catalog integration across all platform layers. Assessed on completeness of the proposed governance architecture: security controls note referencing encryption protocols, access control design **(8)**	8
High Availability, Backup & Disaster Recovery (Qualitative)(Doc Required) High-availability and redundancy mechanisms across compute, storage, and network components, combined with infrastructure-level backup and disaster recovery architecture, including storage replication, backup encryption, DR site connectivity, and RTO/RPO alignment, per Section 10 (HA, Backup & Disaster Recovery).: HA/redundancy design, DR architecture diagram, backup/replication design document, and RTO/RPO commitment note. **(5)**	5
Vendor Presentation and Solution Walkthrough (Qualitative)(Doc Required) Vendor shall present the proposed infrastructure solution covering architecture, installation and commissioning approach, and infrastructure readiness handover plan before the evaluation committee: Presentation delivered in person before the evaluation committee. **(4)**	4
Hardware Specifications and Delivery	
Hardware Specifications for Entire Solution (Qualitative)(Doc Required) Proposed hardware shall meet or exceed all reference sizing specifications defined in Section 6, covering compute nodes, storage appliances, networking, and supporting infrastructure across Production and Development/Test environments. Assessed on specification compliance, redundancy design, and scalability provisions.: Detailed BOQ with per-component technical datasheets, sizing justification document, and five-year capacity expansion plan. **(10)**	10

Delivery and Commissioning Commitment (Qualitative)(Doc Required) Vendor shall provide a binding hardware delivery and commissioning schedule consistent with the timeline defined in Section 7.4 (Implementation Timelines and Milestones). Assessed on delivery lead time commitment, installation plan, and risk mitigation for procurement delays.: Signed hardware delivery schedule, OEM supply chain confirmation, and contingency plan for delivery risks. **(5)**	5
Historical Experience	
Experience in Enterprise Hardware & Infrastructure Deployment (Qualitative)(Doc Required) Demonstrated experience delivering large-scale, on-premises hardware and infrastructure (compute, storage, and networking) for enterprise analytics platforms, data warehouses, or equivalent large-scale analytical environments, over the past seven years. Minimum of two (2) referenced projects with a contract value of USD 1,000,000 or above (or PKR equivalent), each live in production for a minimum of twelve (12) months. Signed contract or agreement, hardware delivery/commissioning certificate, or infrastructure completion report referencing scope and scale. **(10)**	10
Experience in Enterprise Software Licensing & Infrastructure Commissioning (Qualitative)(Doc Required) Demonstrated experience in supplying, licensing, and commissioning enterprise software and infrastructure components (e.g., analytical database/data warehouse platforms, object storage, compute clusters) across large-scale on-premises analytics environments, with evidence of infrastructure scale comparable to the CDH scope: Architecture/commissioning diagrams, license procurement documentation, or client attestations confirming infrastructure scale and commissioning scope. **(5)**	5
Company Profile	

Local Presence (Qualitative)(Doc Required) Vendor shall demonstrate sustained local presence in Pakistan with on-ground offices and technical staff across infrastructure, hardware support, and software licensing functions, sufficient to support infrastructure commissioning, warranty service, and post-acceptance operational support.: HR certificate or affidavit confirming technical staff strength with domain-wise distribution. Lease agreement, utility bills, or incorporation certificate evidencing operating presence in Pakistan. **(5)**	5

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Items/Lots

Items Without Lots :

Item	UNSPSC	Delivery Schedule	Quantity	Bid Security
Procurement of Hardware, Software Supply & Infrastructure Implementation	System management software maintenance	**Address:** PRAL Head Office, Sector I-9/3, Islamabad, Islamabad Capital Territory **Schedule:** 20 week Complete Project Timeline **Quantity:** 01/Qty	1/Qty	30000000 PKR

Related Services of Goods:

No

Items/Lot Specification

Items Without Lots :

Item: Procurement of Hardware, Software Supply & Infrastructure Implementation

UNSPSC: System management software maintenance

Specifications / Requirementsss:

This RFP solicits bids for the supply, licensing, and infrastructure implementation of a production-ready Modern Data Platform, deployed strictly on on-premises infrastructure. The Platform shall serve as the Central Data Hub, the permanent intelligence backbone for data-driven, intelligence-led tax administration at national scale. This RFP covers hardware supply, software licensing, and infrastructure commissioning; application-level configuration, data pipeline build, and platform go-live are covered under a separately contracted Data Platform & Application Implementation Services engagement, coordinated per Section 19 (Vendor Coordination & Interface Management). Current systems are optimized for transaction recording and filing processing. They do not support economic behavior analysis, compliance risk prediction, or enforcement optimization. The Central Data Hub shall close this gap by establishing an integrated, governed, and auditable data foundation across all tax domains. The following components shall be supplied and licensed in their entirety, with the underlying infrastructure installed and commissioned by the Vendor: • On-premises compute, storage, and networking hardware. • Enterprise ELT pipeline tool license, with schema enforcement and data quality control capabilities. • Distributed S3-compatible object storage software license, constituting the Lakehouse foundation. • A distributed compute cluster (hardware and software license) for AI/ML workloads and micro-batch streaming; the Vendor shall propose the technology stack for real-time data processing. • Massively Parallel Processing (MPP) Enterprise Data Warehouse license, with native object storage connectivity. • High-availability in-memory caching cluster (hardware and software license) for low-latency operational queries. • All associated commercial and open-source software licenses required to operate the complete Platform. • A Data Governance Tool license. The Platform shall be architected to AI-ready standards, including a Feature Store and semantic layer, to support integration of AI components under future procurement instruments.

Price Schedule

For Individual Items

#	Item Title	Quantity	Unit Price (PKR)	Total Price (PKR)	Delivery Location	Delivery Period / Year	Country of Origin
1							
2							

For Lots

#	Lot Title	Total Lot Price (PKR)	Country of Origin
1	[Lot 1 Title]		

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General Conditions of Contract

A. General

1. Definitions

1.1 Unless the context otherwise requires, the following terms whenever used in this Contract shall have the same meaning and shall be interpreted as indicated

a. “Applicable Law” means the laws and any other instruments having the force of law in the Government’s Country, or in such other country as may be specified in the Special Conditions of the Contract (SC), as they may be issued and in force from time to time;

b. “Procuring Agency” means:-

a. any Ministry, Division, Department or any Office of the Government;

b. any authority, corporation, body or organization established by or under a Law or which is owned or controlled by the Government;.

c. “The Contract” means an agreement enforceable by law;

d. “The Contract Price” means the price payable to the Bidder under the Contract for the full and proper performance of its contractual obligations;

e. “Ancillary Services” means those services ancillary to the provision of Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Bidder covered under the Contract;

f. “GCC” means the General Conditions of Contract contained in this section;

g. “SCC” means the Special Conditions of Contract by which the GCC may be amended or supplemented;

h. **“**Day” means calendar day unless indicated otherwise.

i. “Effective Date” means the date on which this Contract comes into force and effect.

j. The Bidder” means the individual or corporate body whose Bids to provide the Goods has been accepted by the Procuring Agency;

k. “The Project Site,” where applicable, means the place or places named in Bids Data Sheet and technical Specifications;

l. “Government” means the Government of Pakistan;

m. “Subcontractor” means any entity to which the Bidder subcontracts any part of the Goods.

n. "Service" means any object of procurement other than goods or works;

o. “Party” means the Procuring Agency or the Bidder, as the case may be, and “Parties” means both of them;

p. “Foreign Currency” means any currency other than the currency of the country of the Procuring Agency;

q. “Completion Date” means the date of completion of the contract by the Bidder as certified by the Procuring Agency;

r. “In Writing” means communicated in written form with proof of receipt;

s. “Local Currency” means the currency of Pakistan;

2. Application and Interpretation

2.1 These General Conditions shall apply to the extent that they are not superseded by provisions of other parts of the Contract.

2.2 In interpreting these Conditions of Contract headings and marginal notes are used for convenience only and shall not affect their interpretations unless specifically stated; references to singular include the plural and vice versa; and masculine include the feminine. Words have their ordinary meaning under the language of the Contract unless specifically defined.

3. Applicable Law

3.1 The contract shall be governed and interpreted in accordance with the laws of Pakistan, unless otherwise specified in SCC.

4. Governing Language

4.1 The Contract as well as all correspondence and documents relating to the Contract exchanged between the Bidder and the Procuring Agency, shall be written in the **English language** unless otherwise stated in the **SCC**. Supporting documents and printed literature that are part of the Contract may be in another language provided these are accompanied by an accurate translation of the relevant passages in English, in which case, for purposes of interpretation of the Contract, this translation shall govern.

5. Notices

5.1 Any notice, request, or consent made pursuant to this Contract shall be in writing and shall be deemed to have been made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when sent by registered mail, telex, telegram, or facsimile to such Party at the address specified in the **SCC**.

6. Delivery/Location

6.1 The Goods shall be delivered to such locations as the Procuring Agency may approve and as specified in SCC.

7. Authorized Representatives / Authority of Member in charge

7.1 Any action required or permitted to be taken, and any document required or permitted to be executed, under this Contract by the Procuring Agency or the Bidder may be taken or executed by the officials specified in the **SCC**.

B. Commencement, Completion, Modification, and Termination of Contract

8. Effectiveness of Contract

8.1 This Contract shall come into effect on the date the Contract is signed by both parties and such other later date as may be stated in the SCC.

9. Commencement of Services

9.1 The Bidder shall confirm availability of Key Experts and begin carrying out the Services not later than the number of days after the Effective Date specified in the SCC.

10. Program

10.1 Before commencement of the Services, the Bidder shall submit to the Procuring Agency for approval a Program showing the general methods, arrangements, order and timing for all activities. The Services shall be carried out in accordance with the approved Program as updated.

11. Starting Date/Expiration Date

11.1 The Bidder shall start carrying out the Services Five (05) days after the date the Contract becomes effective, or at such other date as may be specified in the **SCC.**

11.2 Unless terminated earlier pursuant to Clause **GCC 15** hereof, this Contract shall expire at the end of such time period after the Effective Date as specified in the SCC.

12. Entire Agreement

12.1 This Contract contains all covenants, stipulations and provisions agreed by the Parties. No agent or representative of either Party has authority to make, and the Parties shall not be bound by or be liable for, any statement, representation, promise or agreement not set forth herein.

13. Modification

13.1 Any modification or variation of the terms and conditions of this Contract, including any modification or variation of the scope of the Services, may only be made by written agreement between the Parties. However, each Party shall give due consideration to any Bids for modification or variation made by the other Party.

13.2 In cases of any modifications or variations, the prior written consent of the Procuring Agency is required.

14. Force Majeure

14.1 Definition

For the purposes of this Contract, “Force Majeure” means an event which is beyond the reasonable control of a Party and which makes a Party’s performance of its obligations under the Contract impossible or so impractical as to be considered impossible under the circumstances.

14.2 No Breach of Contract

The failure of a Party to fulfill any of its obligations under the contract shall not be considered to be a breach of, or default under, this Contract in so far as such inability arises from an event of Force Majeure, provided that the Party affected by such an event (a) has taken all reasonable precautions, due care and reasonable alternative measures in order to carry out the terms and conditions of this Contract, and (b) has informed the other Party as soon as possible about the occurrence of such an event.

14.3 Extension of Time

Any period within which a Party shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result

of Force Majeure.

14.4 Payments

During the period of their inability to perform the Services as a result of an event of Force Majeure, the Bidder shall be entitled to continue to be paid under the terms of this Contract, as well as to be reimbursed for additional costs reasonably and necessarily incurred by them during such period for the purposes of the Services and in reactivating the Service after the end of such period.

15. Termination

15.1 By the Procuring Agency

The Procuring Agency may terminate this Contract in case of the occurrence of any of the events specified in paragraphs (a) through (e) of this Clause. In such an occurrence the Procuring Agency shall give at least thirty (30) calendar days' written notice of termination to the Bidder in case of the events referred to in (a) through (d); at least sixty (60) calendar days' written notice in case of the event referred to in (e);

a. If the Bidder fails to remedy a failure in the performance of its obligations hereunder, as specified in a notice of suspension;

b. If the Bidder becomes (or, if the Bidder consists of more than one entity, if any of its members becomes) insolvent or bankrupt or enter into any agreements with their creditors for relief of debt or take advantage of any law for the benefit of debtors or go into liquidation or receivership whether compulsory or voluntary;

c. If the Bidder fails to comply with any final decision reached as a result of arbitration proceedings;

d. If, as the result of Force Majeure, the Bidder is unable to perform a material portion of the Services for a period of not less than sixty (60) calendar days;

e. If the Procuring Agency, in its sole discretion and for any reason whatsoever, decides to terminate this Contract;

15.2 By the Bidder

The Bidder may terminate this Contract, by not less than thirty (30) calendar days' written notice to the Procuring Agency, in case of the occurrence of any of the events specified in paragraphs (a) through (d) of this Clause.

a. If the Procuring Agency fails to pay any money due to the Bidder pursuant to this Contract and not subject to dispute within forty-five (45) calendar days after receiving written notice from the Bidder that such payment is overdue.

b. If, as the result of Force Majeure, the Bidder is unable to perform a material portion of the Services for a period of not less than sixty (60) calendar days.

c. If the Procuring Agency fails to comply with any final decision reached as a result of arbitration.

d. If the Procuring Agency is in material breach of its obligations pursuant to this Contract and has not remedied the same within forty-five (45) days (or such longer period as the Bidder may have subsequently approved in writing) following the receipt by the Procuring Agency of the Bidder's notice specifying such breach.

C. Obligations of the Bidder

16. General

16.1 Standard of Performance

1. The Bidder shall deliver the product and carry out the Services with all due diligence, efficiency and economy, in accordance with generally accepted professional standards and practices, and shall observe sound management practices, and employ appropriate technology and safe and effective equipment, machinery, materials and methods. The Bidder shall always act, in respect of any matter relating to this Contract or to the Services, as a faithful adviser to the Procuring Agency, and shall at all times support and safeguard the Procuring Agency's legitimate interests in any dealings with the third parties.

16.2 Law Applicable to Goods

The Bidder shall deliver the goods in accordance with the Contract and in accordance with the Law of Pakistan and shall take all practicable steps to ensure that any of its Experts and Sub-Bidders, comply with the Applicable Law.

17. Conflict of Interests

17.1 Bidder Not to Benefit from Commissions and Discounts.

The remuneration of the Bidder shall constitute the Bidder's sole remuneration in connection with this Contract or the Services, and the Bidder shall not accept for their own benefit any trade commission, discount, or similar payment in connection with activities pursuant to this Contract or to the Services or in the discharge of their obligations under the Contract, and the Bidder shall use their best efforts to ensure that the Personnel, any Subcontractors, and agents of either of them similarly shall not receive any such additional remuneration.

17.2 Bidder and Affiliates Not to be Otherwise Interested in Project

The Bidder agree that, during the term of this Contract and after its termination, the Bidder and its affiliates, as well as any Subcontractor and any of its affiliates, shall be disqualified from providing Goods for any project resulting from or closely related to the Services.

17.3 Prohibition of Conflicting Activities

Neither the Bidder nor its Subcontractors nor the Personnel shall engage, either directly or indirectly, in any of the following activities:

a. during the term of this Contract, any business or professional activities in the Government's country which would conflict with the activities assigned to them under this Contract;

b. during the term of this Contract, neither the Bidder nor their Subcontractors shall hire public employees in active duty or on any type of leave, to perform any activity under this Contract;

18. Confidentiality

18.1 Except with the prior written consent of the Procuring Agency, the Bidder and the Experts shall not at any time communicate to any person or entity any confidential information acquired in the course of the contract.

19. Insurance to be Taken Out by the Bidder

19.1 The Bidder(a) shall take out and maintain, and shall cause any Subcontractors to take out and maintain, at its (or the Subcontractors', as the case may be) own cost but on terms and conditions approved by the Procuring Agency, insurance against the risks, loss or damage, and for the coverage, as shall be specified in the SCC; and (b) at the Procuring Agency's request, shall provide evidence to the Procuring Agency showing that such insurance has been taken out and maintained and that the current premiums have been paid.

20. Bidder's Actions Requiring Procuring Agency's Prior Approval

20.1 The Bidder shall obtain the Procuring Agency's prior approval in writing before taking any of the following actions:

(a) appointing such members of the Personnel not provided by the Bidder;

(b) changing the Program of activities; and

(c) any other action that may be specified in the SCC.

21. Reporting Obligations

21.1 The Bidder shall submit to the Procuring Agency the reports and documents in the numbers, and within the periods as prescribed by the Procuring Agency.

22. Liquidated Damages

22.1 If the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Procuring Agency shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in **SCC** of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the performance security (or guarantee) specified in **SCC**. Once the said maximum is reached, the Procuring Agency may consider termination of the Contract pursuant to **GCC Clause 15.**

22.2 Correction for Over-payment

If the Intended Completion Date is extended after liquidated damages have been paid, the Procuring Agency shall correct any overpayment of liquidated damages by the Bidder by adjusting the next payment certificate. The Bidder shall be paid interest on the overpayment, calculated from the date of payment to the date of repayment, at the rates specified in SCC.

22.3 Lack of performance penalty

If the Bidder has not corrected a Defect within the time specified in the Procuring Agency's notice, a penalty for Lack of performance will be paid by the Bidder. The amount to be paid will be calculated as a percentage of the cost of having the Defect corrected, assessed as specified in the SCC.

23. Performance Guarantee

23.1 Within Seven (07) days from the issuance of acceptance letter from the Procuring Agency, the successful Bidder shall furnish the Performance Guarantee in shape of ------- at the discretion of the PA in the amount **specified in SCC.** In case the amount of Bids security is equal or greater than

23.2 The proceeds of the Performance Guarantee shall be payable to the Procuring agency as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

23.3 The Performance Guarantee shall be denominated in the currency of the Contract, or in a freely convertible currency acceptable to the Procuring agency and shall be in the acceptable form as specified in SCC.

23.4 The Performance Guarantee will be discharged by the Procuring agency and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless otherwise **specified in SCC.**

24. Fraud and Corruption

24.1 The Procuring Agency requires the Supplier to disclose any commissions or fees that may have been paid or are to be paid to agents or any other party with respect to the Bidding process or execution of the Contract. The information disclosed must include at least the name and address of the agent or other party, the amount and currency, and the purpose of the commission, gratuity or fee.

25. Sustainable Procurement

25.1 The Bidder shall conform to the sustainable procurement contractual provisions, if and as specified in the SCC.

D. Bidder's Personnel

26. Description of Personnel

26.1 The titles, agreed job descriptions, minimum qualifications, and estimated periods of engagement in the carrying out of the Services of the Bidder's Key Personnel. The Key Personnel listed by title as well as by name are hereby approved by the Procuring Agency.

27. Removal and/or Replacement of Personnel

27.1 Except as the Procuring Agency may otherwise agree, no changes shall be made in the Key Personnel. If, for any reason beyond the reasonable control of the Bidder, it becomes necessary to replace any of the Key Personnel, the Bidder shall provide as a replacement a person of equivalent or better qualifications.

27.2 If the Procuring Agency finds that any of the Personnel have (i) committed serious misconduct or have been charged with having committed a criminal action, or (ii) have reasonable cause to be dissatisfied with the performance of any of the Personnel, then the Bidder shall, at the Procuring Agency's written request specifying the grounds thereof, provide as a replacement a person with qualifications and experience acceptable to the Procuring Agency.

27.3 The Bidder shall have no claim for additional costs arising out of or incidental to any removal and/or replacement of Personnel.

E. Obligations of the Procuring Agency

28. Assistance and Exemptions

28.1 The Procuring Agency shall use its best efforts to ensure that the Government shall provide the Bidder such assistance and exemptions as specified in the SCC.

29. Change in the Applicable Law

29.1 If, after the date of this Contract, there is any change in the Applicable Law with respect to taxes and duties which increases or decreases the cost of the related Services rendered by the Bidder, then the remuneration and reimbursable expenses otherwise payable to the Bidder under this Contract shall be increased or decreased accordingly by agreement between the Parties, and corresponding adjustments shall be made to the amounts referred in the SCC.

30. Services and Facilities

30.1 The Procuring Agency shall make available to the Bidder and the Experts, for the purposes of the Services and free of any charge, the services, facilities and property described , at the times and in the manner specified in the SCC or terms of reference.

30.2 In case that such services, facilities and property shall not be made available to the Bidder, the Parties shall agree on (i) any time extension that it may be appropriate to grant to the Bidder for the performance of the Services, (ii) the manner in which the Bidder shall procure any such services, facilities and property from other sources, and (iii) the additional payments, if any, to be made to the Bidder as a result thereof.

F. Payments to the Bidder

31. Contract Price

31.1 The price payable shall be in Pakistani Rupees unless otherwise specified in the SCC. Prices charged by the Supplier for Goods delivered under the Contract shall not vary from the prices quoted by the Supplier in its Bid.

32. Terms and Conditions of Payment

32.1 Payments will be made to the Bidder according to the payment schedule stated in the SCC and as per actual invoice submitted by the Bidder.

32.2 Unless otherwise stated in the SCC, the advance payment shall be made against the provision by the Bidder of a bank guarantee for the same amount, and shall be valid for the period stated in the SCC. Any other payment shall be made after the conditions listed in the SCC for such payment have been met, and the Bidder have submitted an invoice to the Procuring Agency specifying the amount due.

33. Currency of Payment

33.1 Any payment under this Contract shall be made in the currency(ies) specified in the SCC.

G. Quality Control

34. Identifying Defects

34.1 The principle and modalities of Inspection of the Goods by the Procuring Agency shall be as indicated in the SCC. The Procuring Agency shall check the Bidder’s performance and notify him of any Defects that are found. Such checking shall not affect the Bidder’s responsibilities. The Procuring Agency may instruct the Bidder to search for a Defect and to uncover and test any service that the Procuring Agency considers may have a Defect. Defect Liability Period is as defined in the SCC.

35. Correction of Defects,and

Lack of Performance Penalty

35.1 The Procuring Agency shall give notice to the Bidder of any Defects before the end of the Contract. The Defects liability period shall be extended for as long as Defects remain to be corrected.

35.2 Every time notice a Defect is given, the Bidder shall correct the notified Defect within the length of time specified by the Procuring Agency's notice.

35.3 If the Bidder has not corrected a Defect within the time specified in the Procuring Agency's notice, the Procuring Agency will assess the cost of having the Defect corrected, the Bidder will pay this amount, and a Penalty for Lack of Performance.

36. Taxes and Duties

36.1 A Supplier shall be entirely responsible for all taxes, duties, fees, etc., incurred until delivery of the contracted Goods to the Procuring Agency.

H. Settlement of Disputes

37. Alternate Dispute Resolution

37.1 The disputes between the parties to the contract may be settled in accordance with Public Procurement Rules, 2004.

37.2 The procuring agency shall refer the matter to the Chief Justice Islamabad High Court or Managing Director PPRA or the Secretary Ministry of Law & Justice for appointment of Arbitrator.

37.3 The fee for the Arbitrator shall be specified in Pak Rupees as determined by the appointing authority which shall be borne and shared equally by the contracting parties.

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Special Conditions of Contract

SECTION VIII. SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

Number of GC Clause

Amendments of, and Supplements to, Clauses in the General Conditions of Contract

Number of GC Clause 1

Definitions

The Procuring Agency is: Pakistan Revenue Automation Pvt Limited (Pakistan Revenue Automation Pvt Limited), Manager Galaxy Business Center, 2nd Floor, Plot # 266-B, Street # 9, Sector I-9/3, Islamabad, Islamabad Capital Territory

The Supplier is:

The title of the subject procurement is: Tender P-55/2026 Procurement of Hardware, Software Supply & Infrastructure Implementation

Number of GC Clause 3

Applicable/Governing Law:

The Contract shall be interpreted in accordance with the laws of Islamic Republic of Pakistan

Number of GC Clause 4

Language:

The language of the Contract, all correspondence and communications to be given, and all other documentation to be prepared and supplied under the Contract shall be in **English.**

Number of GC Clause 5

Notices:

The addresses for the notices are:

Procuring Agency:

Pakistan Revenue Automation Pvt Limited (Pakistan Revenue Automation Pvt Limited), Manager
Galaxy Business Center, 2nd Floor, Plot # 266-B, Street # 9, Sector I-9/3, Islamabad, Islamabad Capital Territory
+92-334-531-4503
procurement@pral.com.pk

Contractor/ Bidder:

[Name, address and telephone number].

The Contractor/ Bidder's Representative(s)

[Name, address, telephone number and e-mail address]

Number of GC Clause 7.1

The Authorized Representatives are:

For the Procuring Agency:

Pakistan Revenue Automation Pvt Limited (Pakistan Revenue Automation Pvt Limited), Manager
Galaxy Business Center, 2nd Floor, Plot # 266-B, Street # 9, Sector I-9/3, Islamabad, Islamabad Capital Territory
+92-334-531-4503
procurement@pral.com.pk

For the Bidder:

Name: ……

Designation: ……..

Address: ……..

Number of GC Clause 8

Effectiveness of the contract

Number of GC Clause 9

Commencement of Contract:

Number of GC Clause 11.2

Expiration of Contract:

Number of GC Clause 15

Termination

In the event of termination of the contract due to any reason as already defined in the General Conditions of Contract, the Bidder shall be responsible for providing to the Authority the Goods till the time of alternate arrangements.

Number of GC Clause 17

Conflict of Interest:

The Procuring Agency reserves the right to determine on a case-by-case basis whether the Bidder should be disqualified from providing goods or services due to a conflict of a nature described in Clause GCC 17**.**

Number of GC Clause 22

Liquidated Damages

If the Bidder fails to provide services as required under the contract or in case of any data loss/data breach or any incident compromising the data security or other such failures related to any services, the Bidder shall pay to the Procuring Agency as Liquidated Damages at a rate of **0.02%** to **5.00%** of the Contract value, in accordance with the extent of performance failure & the cost of investigating such incidents as judged by the Authority.

Number of GC Clause 23

Performance Guarantee:

The amount of performance guarantee shall be **5.00%** of the contract price in acceptable form of **Bank Guarantee**

Number of GC Clause 32

Payment terms:

Payment will be made to the Bidder against the procured Goods and services according to the actual invoice or running bills submitted by the Bidder against the services provided within the time given in the conditions of the contract.

Number of GC Clause 33

Currency of Payment:

All the payment to be released to the contractor/Bidder shall be in Pakistani Rupees.

Number of GC Clause 34

Identifying Defects:

The Authority reserves the right at any time to inspect the premises of the provider to inspect the goods and monitor the goods being provided.

Number of GC Clause 37

Following is the guidance for Dispute Resolution

i. If any dispute of any kind whatsoever shall arise between the Authority and the Bidder in connection with or arising out of the Contract, including without prejudice to the generality of foregoing, any question regarding its existence, validity, termination and the execution of the Contract – whether during developing phase or after their completion and whether before or after the termination, abandonment or breach of the Contract – the parties shall seek to resolve any such dispute or difference by mutual diligent negotiations in good faith within 14 (fourteen) days following a notice sent by one Party to the other Party in this regard**.**

ii. At future of negotiation the dispute shall be resolved through mediation and mediator shall be appointed with the mutual consent of the both parties**.**

iii. At the event of failure of mediation to resolve the dispute relating to this contract such dispute shall finally be resolved through binding Arbitration by sole arbitrator in accordance with Arbitration Act 1940. The arbitrator shall be appointed by mutual consent of the both parties**.** The Arbitration shall take place in Islamabad, Pakistan and

proceedings will be conducted in English language.

iv. The cost of the mediation and arbitration shall be shared by the parties in equal proportion however the both parties shall bear their own costs and lawyer's fees regarding their own participation in the mediation and arbitration. However, the Arbitrator may make an award of costs upon the conclusion of the arbitration making any party to the dispute liable to pay the costs of another party to the dispute**.**

v. Arbitration proceedings as mentioned in the above clause regarding resolution of disputes may be commenced prior to, during or after completion of the contract.

Notwithstanding any reference to the arbitration herein, the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree that the Authority shall pay the Bidder any monies due to the Bidder.

Rules of procedure for arbitration proceedings:

Any dispute between the Authority and a Bidder who is a national of the Islamic Republic of Pakistan arising in connection with the present Contract shall be referred to adjudication or arbitration in accordance with the laws of the Islamic Republic of Pakistan including Arbitration Act 1940, however above provision shall prevail in referring the case to the Arbitrator.

Place of Arbitration and Award:

The arbitration shall be conducted in English language and place of arbitration shall be at Islamabad. The award of the arbitrator shall be final and shall be binding on the parties.

Bid Securing Declaration

Form 9: Bid Securing Declaration

Date: *[insert date (as day, month and year)]*

Bid No.:***P112186***

To: **Pakistan Revenue Automation Pvt Limited (Pakistan Revenue Automation Pvt Limited), Manager Galaxy Business Center, 2nd Floor, Plot # 266-B, Street # 9, Sector I-9/3, Islamabad, Islamabad Capital Territory**

We, the undersigned, declare that:

We understand that, according to your conditions, Bids must be supported by a Bid Securing Declaration.

We accept that we will be blacklisted and henceforth cross debarred for participating in respective category of public procurement proceedings for a period of (not more than) six months, if fail to abide with a bid securing declaration, however without indulging in corrupt and fraudulent practices, if we are in breach of our obligation(s) under the Bid conditions, because we:

1. have withdrawn or modified our Bid during the period of Bid Validity specified in the Form of Bid;
2. Disagreement to arithmetical correction made to the Bid price; or
3. having been notified of the acceptance of our Bid by the Procuring Agency during the period of Bid Validity, (i) failure to sign the contract if required by Procuring Agency to do so or (ii) fail or refuse to furnish the Performance Security or to comply with any other condition precedent to signing the contract specified in the Bidding Documents.

We understand this Bid Securing Declaration shall expire if we are not the successful

Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder; or (ii) twenty-eight (28) days after the expiration of our Bid.

Contract Form

SECTION IX: CONTRACT FORMS

THIS AGREEMENT made the _____ day of _____ 20_____ between **Pakistan Revenue Automation Pvt Limited (Pakistan Revenue Automation Pvt Limited), Manager Galaxy Business Center, 2nd Floor, Plot # 266-B, Street # 9, Sector I-9/3, Islamabad, Islamabad Capital Territory**

(hereinafter called "the Procuring Agency") of the one part and *[name of Bidder]* of *[city and country of Bidder]* (hereinafter called "the Bidder") of the other part:

WHEREAS the Procuring Agency invited Bids for provision of goods, viz., **Tender P-55/2026 Procurement of Hardware, Software Supply & Infrastructure Implementation (*P112186*)** and has accepted a Bids by the Bidder for the provision of Goods in the sum of *[contract price in words and figures]* (hereinafter called "the Contract Price").

NOW THIS CONTRACT WITNESSETH AS FOLLOWS:

1. In this Contract words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2. The following documents shall be deemed to form and be read and construed as part of this Contract, In the event of any ambiguity or conflict between the Contract Documents listed below, the order of precedence shall be the order in which the Contract Documents are listed below:-

1. This form of Contract;
2. the Form of Bids and the Price Schedule submitted by the Bidder;
3. the Schedule of Requirements;
4. the Technical Specifications;
5. the Special Conditions of Contract;
6. the General Conditions of the Contract;
7. the Procuring Agency's Letter of Acceptance; and
8. [*add here: any other documents*]

3. In consideration of the payments to be made by the Procuring Agency to the Bidder as hereinafter mentioned, the Bidder hereby covenants with the Procuring Agency to provide the Goods related services and to remedy defects therein in conformity in all respects with the provisions of the Contract.

4. The Procuring Agency hereby covenants to pay the Bidder in consideration of the provision of Goods and the remedying of defects therein, the Contract Price or such other sum as may become payable under the

provisions of the contract at the times and in the manner prescribed by the contract.

IN WITNESS whereof the parties hereto have caused this Contract to be executed in accordance with their respective laws the day and year first above written.

Signed, sealed, delivered by _____the _____ (for the Procuring Agency)

Witness to the signatures of the Procuring Agency:

……

Signed, sealed, delivered by _____the _____ (for the Procuring Agency)

Witness to the signatures of the Bidder: ……

Integrity Pact

Integrity Pact

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BYTHE SUPPLIERS OF GOODS, SERVICES & WORKS IN CONTRACTS WORTH RS.10.00 MILLION OR MORE

Contract Number: Contract Value: Contract Title:

Dated:

[Name of Supplier] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoP) through any corrupt business practice.

Without limiting the generality of the foregoing [Name of Supplier] represents and warrants that it has fully declared the brokerage, commission, fee etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultations fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

[Name of Supplier] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representative or warranty.

[Name of Supplier] accepts full responsibility and strict liability for making and false declaration, not making full disclosure, misrepresenting fact or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [Name of Supplier] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by [Name of Supplier] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.

Performance Guarantee Form

Performance Guarantee Form

To: **Pakistan Revenue Automation Pvt Limited (Pakistan Revenue Automation Pvt Limited), Manager Galaxy Business Center, 2nd Floor, Plot # 266-B, Street # 9, Sector I-9/3, Islamabad, Islamabad Capital Territory**

WHEREAS *[name of Bidder]* (hereinafter called "the Bidder") has undertaken, in pursuance of Contract No. *[reference number of the contract]* dated *[insert date]* for provision of Goods*(*hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the Bidder shall furnish you with a Bank Guarantee by a reputable bank for the sum specified therein as security for compliance with the Bidder's performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Bidders guarantee:

THEREFORE, WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Bidder, up to a total of *[amount of the guarantee in words and figures]*, and we undertake to pay you, upon your first written demand declaring the Bidder to be in default under the Contract and without cavil or argument, any sum or sums within the limits of *[amount of guarantee]* as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the: *[insert date]*

Signature and seal of the Guarantors

_____

[name of bank or financial institution]

[address]

[date}

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Annexure

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Technical Proposal

Technical Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **Technical Proposal** (page number: 74)

Evaluation Criteria

Information (Read-Only)

See Form Under Additional Forms and Documents: **Evaluation Criteria** (page number: 141)

Annexure A&B

Information (Read-Only)

See Form Under Additional Forms and Documents: **Annexure A&B** (page number: 146)

Financial Price Format

Financial Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **Financial Price Format** (page number: 190)

Payment Milestone

Information (Read-Only)

See Form Under Additional Forms and Documents: **Payment Milestone** (page number: 195)

Beneficial Ownership

Technical Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **Beneficial Ownership** (page number: 197)

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Procurement Forms

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(PPRA)
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Additional Forms and Documents

Pakistan Revenue Automation (PVT.) Limited – PRAL

Proposal Central Data Hub (CDH)

Hardware, Software Supply & Infrastructure Implementation

1. Purpose of RFP

This RFP solicits bids for the supply, licensing, and infrastructure implementation of a production-ready Modern Data Platform, deployed strictly on on-premises infrastructure. The Platform shall serve as the Central Data Hub, the permanent intelligence backbone for data-driven, intelligence-led tax administration at national scale. This RFP covers hardware supply, software licensing, and infrastructure commissioning; application-level configuration, data pipeline build, and platform go-live are covered under a separately contracted Data Platform & Application Implementation Services engagement, coordinated per Section 19 (Vendor Coordination & Interface Management).

Current systems are optimized for transaction recording and filing processing. They do not support economic behavior analysis, compliance risk prediction, or enforcement optimization. The Central Data Hub shall close this gap by establishing an integrated, governed, and auditable data foundation across all tax domains.

The following components shall be supplied and licensed in their entirety, with the underlying infrastructure installed and commissioned by the Vendor:

- On-premises compute, storage, and networking hardware.
- Enterprise ELT pipeline tool license, with schema enforcement and data quality control capabilities.
- Distributed S3-compatible object storage software license, constituting the Lakehouse foundation.
- A distributed compute cluster (hardware and software license) for AI/ML workloads and micro-batch streaming; the Vendor shall propose the technology stack for real-time data processing.
- Massively Parallel Processing (MPP) Enterprise Data Warehouse license, with native object storage connectivity.
- High-availability in-memory caching cluster (hardware and software license) for low-latency operational queries.
- All associated commercial and open-source software licenses required to operate the complete Platform.
- A Data Governance Tool license.

The Platform shall be architected to AI-ready standards, including a Feature Store and semantic layer, to support integration of AI components under future procurement instruments.

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1.1 Compliance and Vendor Accountability

- The selected Vendor shall assume single-point accountability for hardware provisioning, software licensing and installation, infrastructure commissioning, infrastructure acceptance testing, and structured knowledge transfer of the infrastructure environment to PRAL's Data and Operations team.
- Infrastructure Acceptance, as defined in Section 7 (Infrastructure Implementation & Commissioning), shall be achieved upon project completion, at which point the environment shall be ready for the separately contracted Implementation Vendor to commence data platform and application implementation.

2. Project Scoping & General Obligations

2.1 In Scope

- Supply and provisioning of all on-premises hardware including compute, storage, and networking infrastructure for entire solution.
- Supply of all commercial and open-source software licenses required to operate the complete platform for the full contract duration; no component shall be left unlicensed or subject to separate procurement.
- Installation, configuration, and commissioning of all supplied hardware and infrastructure components (compute, storage, and networking) up to the point of Infrastructure Acceptance, in accordance with Section 7 (Infrastructure Implementation & Commissioning).

2.2 Out of Scope

- Modifications, upgrades, or patches to any FBR/PRAL source system, including IRIS, eFBR, RegSys, TAMS, and VAT; source systems shall be consumed as-is.
- Development or modification of any FBR transactional or operational application.
- Procurement or setup of end-user devices, workstations, or operator terminals.
- Any data processing, storage, or transmission outside on-premises network perimeter.
- Data platform and application-layer implementation, including ELT/ETL pipeline development, data governance configuration, BI/AI-ML implementation, and any activity beyond Infrastructure Acceptance; these are covered under the separately contracted Data Platform & Application Implementation Services engagement

2.3 General Obligations

- The awarded Vendor shall assume full responsibility for the completeness, quality, and functional readiness of all hardware, software licensing, and infrastructure commissioning deliverables under this contract. Partial or component-only delivery shall not be accepted, and infrastructure performance shortfalls shall not be attributed to factors outside the Vendor's supplied scope.
- All hardware and infrastructure delivered under this contract shall operate exclusively within the designated on-premises network perimeter, and no data shall be transmitted, stored, or processed outside that boundary at any point.
- The Vendor shall coordinate infrastructure delivery and commissioning timelines with the separately contracted Data Platform & Application Implementation Services Vendor, in accordance with Section 19 (Vendor Coordination & Interface Management), to ensure Infrastructure Acceptance is achieved without delay to downstream implementation activities.

3.Business Goals

The objective of this procurement is to establish a robust, secure, and scalable on-premises hardware, software licensing, and infrastructure foundation for the Central Data Hub (CDH), enabling FBR and PRAL's subsequent transition to a data-driven, intelligence-led, and AI-enabled tax administration ecosystem under a separately contracted Data Platform & Application Implementation Services engagement.

This procurement shall deliver the following foundational capabilities:

- **Infrastructure Capacity & Scalability:** compute, storage, and networking infrastructure sized and licensed to support national-scale data volumes and concurrent workloads, with capacity for onboarding future sources and domains through configuration alone, without structural hardware changes.
- **Software Licensing Completeness:** all commercial and open-source software licenses required to operate the complete Platform for the full contract duration, with no component left unlicensed or subject to separate future procurement.
- **Infrastructure Security & Compliance:** hardware- and OS-level security controls (encryption at rest, network segmentation, access control) implemented in compliance with applicable regulatory and legal requirements, forming the secure foundation on which platform-level governance controls (RBAC, PII masking, audit logging) will subsequently operate.
- **High Availability & Resilience:** infrastructure architected for high availability, redundancy, and disaster recovery consistent with the reference architecture (Section 5.2) and sizing requirements (Section 6).

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- **Infrastructure Readiness for Platform:** infrastructure installed, configured, and commissioned to a state of Infrastructure Acceptance (Section 7), enabling the separately contracted Implementation Vendor to commence data platform and application build activities without infrastructure-related delay.
- **Technology Refresh & Long-Term Viability:** a Vendor-delivered technology refresh roadmap covering the full warranty period, ensuring the infrastructure and licensed software remain supportable and extensible as CDH usage scales.

4.Success Criteria

The success of this procurement shall be measured against the following outcomes:

Infrastructure Delivery & Commissioning

- All hardware and software components delivered, installed, and commissioned per the approved Bill of Materials and the sizing specifications defined in Section 6.
- Infrastructure Acceptance achieved within the committed project timeline, with no critical or major defects outstanding at sign-off.

Licensing Completeness

- 100% of required commercial and open-source software licensed for the full contract duration; zero components left unlicensed or requiring separate future procurement.

Security & Compliance

- Hardware- and OS-level security baseline (encryption at rest, network segmentation, access control, directory service integration) implemented and validated.
- Zero tolerance for infrastructure-level data leakage; all infrastructure operating exclusively within the designated on-premises perimeter.

Availability & Performance

- Infrastructure availability and performance (network throughput, latency, HA failover) validated against the targets defined in Section 8 (Performance & Scalability) and Section 10 (HA, Backup & Disaster Recovery).
- Infrastructure sized and validated to sustain the workloads and concurrency levels defined in Section 6, without requiring re-architecture for at least the five-year sizing horizon.

Scalability & Future Readiness

- Modular infrastructure capable of onboarding additional compute and storage capacity through configuration alone, without structural changes or service interruption.
- A Vendor-delivered technology refresh roadmap in place, covering the full warranty period, identifying planned upgrades, end-of-life component replacements, and recommended evolution paths for all major infrastructure components.

Handover Readiness

- Structured knowledge transfer of the infrastructure environment completed to PRAL's Data and Operations team.
- Infrastructure documentation (as-built diagrams, runbooks, configuration records) delivered and accepted.

5.Functional and Technical Requirements

This section contains the Functional and Technical requirements that would enable the vendors to design the proposed solution.

5.1 As-Is Architecture

The current data ecosystem at FBR primarily comprises of two database systems. These are:

- Microsoft SQL Server
- Oracle Exadata

The SQL Server is a legacy system which was developed to serve the initial set of FBR applications. The web applications transactional data was stored in this instance. Apart from storing and serving the applications, the SQL Server also serves as an ODS (Operational Data Store) for downstream BI & Reporting. There is no proper Enterprise Datawarehouse construct for analytical reporting. Once all the data is collected in the ODS, it serves downstream dashboards, reports and replicated to Oracle Exadata ODS.

The Oracle Exadata serves the latest set of FBR applications like IRIS is also a transactional system. It is one appliance which is partitioned into three DB instances (Transactional System for IRIS, ODS & FBRDWH). Just like the SQL Server, the ODS in Oracle Exadata collects the replicated data from the Oracle Transactional tables and further serves it downstream for BI & reporting. The third DB instance FBRDWH is not a proper Datawarehouse but only serves Data Marts. In summary FBR today does not have a proper Enterprise Datawarehouse that can be used for Analytical reporting.

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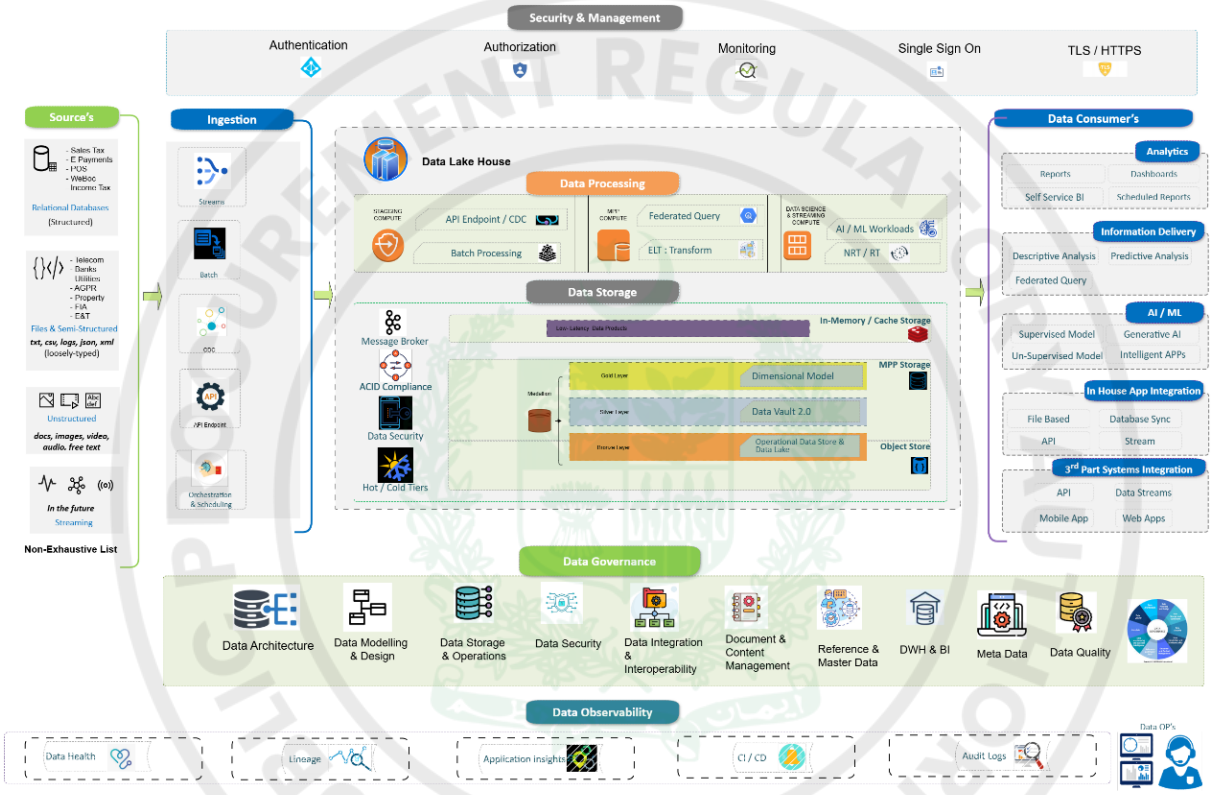
In this RFP, one of the primary requirements is to set up a comprehensive Modern Data Platform that ingests data from the SQL Server, Oracle transactional systems, Third Party, Commercial Projects and a non-exhaustive list of data sources. We will not use the existing ODS instances both SQL Server & Oracle as data sources.

Please see Annexture A listing data sources that will need to be ingested.

5.2 Proposed Reference Architecture



Data Sources

The architecture supports three categories of source data. Structured data comes from relational databases connected to operational systems like sales tax, e-payments, POS, and income tax. Semi-structured and unstructured data includes files, logs, JSON, XML, documents, images, audio, and free text. There's also a forward-looking "In the future" streaming category, covering IoT and real-time event sources.

Data Ingestion

Four ingestion patterns are supported. Streaming handles real-time data flows. Batch covers bulk periodic loads. CDC (Change Data Capture) tracks database changes incrementally. Consumption from API endpoints. Scheduling and Orchestration coordinate and automate the pipelines.

Data Processing

The Data Lakehouse houses three processing layers. The Staging Compute layer handles API-based data processing, CDC transformations, and batch processing. The MPP (Massively Parallel Processing) Compute layer supports Federated Queries and ELT transformations. Lastly compute clusters for AI/ML workloads, near real-time and real-time data processing.

Data Storage

"Storage is organized into three tiers. The Object Store (Bronze Layer) holds raw operational data and Data Lake files in open file and open table formats. The Silver Layer stores curated data using a structured, auditable modeling approach. The Gold Layer contains the Dimensional Model for analytics-ready consumption. Supporting this are an MPP Storage engine, In-Memory/Cache Storage for low-latency data products, and a Message Broker for event streaming.

Data Governance

This layer spans the full data lifecycle across ten domains: Data Architecture, Data Modelling & Design, Data Storage & Operations, Data Security, Data Integration & Interoperability, Document & Content Management, Reference & Master Data, DWH & BI, Metadata management, and Data Quality. This ensures consistency, compliance, and trustworthiness across all data assets.

Data Consumers

The right-hand side of the architecture represents all downstream users and systems. The Analytics layer serves reports, dashboards, self-service BI, and scheduled reports. Information Delivery supports descriptive and predictive analysis as well as federated queries. The AI/ML layer enables supervised and unsupervised models, generative AI, and intelligent applications. In-House App Integration covers file-based, database sync, API, and stream-based connectivity. Third-Party Systems Integration extends reach through APIs, data streams, mobile apps, and web apps.

Security & Management

A cross-cutting layer that spans the entire architecture. Authentication integration with on-premises Active Directory and LDAP. Vendor should propose components for Authorization and Data Access Policy Enforcement. Monitoring to be powered by SIEM tools. Single Sign-On is a requirement managed through an Identity Provider. All data in transit is protected via TLS (v1.3/HTTPS).

Data Observability

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Provides end-to-end visibility across the platform. Data Health monitoring tracks pipeline and dataset quality. Lineage maps data origin and transformations. Application Insights monitors runtime behavior. CI/CD pipelines automate deployment and testing. Audit Logs capture access and change history for compliance.

Data Ops

Represented at the bottom-right of the observability layer, DataOps bridges the technical and operational aspects of the platform. It involves dedicated operations personnel who monitor pipeline health, manage incidents, coordinate deployments via CI/CD, and ensure SLA adherence across ingestion, processing, and storage layers. They work in close coordination with the observability tooling to maintain reliability and data trust across the entire ecosystem.

API Framework

The CDH shall incorporate a bidirectional, centrally managed API Framework that governs both inbound data ingestion via APIs and outbound data serving to internal and external consumers. This framework is a first-class platform component and must be designed, implemented, and governed as part of the core architecture.

Inbound API Integration (Data Ingestion)

- Support for REST, SOAP, GraphQL, and webhook-based API connections for ingesting data from source systems and external data providers.
- Configurable API connectors with scheduled, event-triggered, and real-time polling modes - manageable without bespoke development per source.
- Secure credential management, token rotation, and OAuth 2.0 / API key authentication for all inbound connections.
- Automatic schema detection, payload validation, and error handling with dead-letter queue management for failed API calls.
- Rate limiting, throttling controls, and retry logic to protect source systems from overload during ingestion.
- Full lineage tracking for all API-ingested data - origin endpoint, ingestion timestamp, payload version, and transformation history maintained end-to-end.

Outbound API Services (Data Serving)

- A managed API gateway layer enabling the CDH to expose governed data products, aggregates, and analytical outputs as secure, versioned REST APIs - consumable by

internal FBR applications, operational systems, and authorized downstream platforms.

- API catalogue maintained within the data governance layer - documenting all published endpoints, data products served, consumer access policies, SLOs, and versioning history.
- Business-requirement-driven API provisioning: new outbound APIs definable and publishable through a governed request and approval workflow without requiring core platform changes.
- Field-level access control on all outbound API responses - consumers receive only the data fields their role and clearance permit, enforced at the API gateway layer.
- API versioning and deprecation management - backward compatibility guaranteed for active API consumers with a minimum notice period before breaking changes or deprecations.
- Rate limiting, usage monitoring, and consumer-level throttling enforced across all outbound APIs - with usage dashboards available to the CDO Office.
- Support for both synchronous (request-response) and asynchronous (event-driven / webhook push) outbound API patterns to accommodate varied consumer system architectures.

API Governance & Operations

- All APIs (inbound and outbound) registered in the central API catalogue with ownership, SLA, data classification, and consumer mapping documented.
- API health monitoring integrated into the Data Observability layer - latency, error rates, availability, and throughput tracked per endpoint with alerting on SLA breach.
- API security scanning and vulnerability assessment included in the CI/CD pipeline for all new and updated API endpoints.
- Audit logs maintained for all inbound API calls and outbound API responses - capturing consumer identity, timestamp, endpoint, and payload size for compliance and forensic purposes.

5.3 Data Integration and Ingestion Platform

We require an Enterprise-grade Data Integration and Ingestion Platform comprising an Extract, Load & Transform (ELT) pipeline engine and, a distributed real-time message broker. The Integration Platform shall serve as the primary data movement and orchestration layer for the Central Data Hub, replacing an existing proprietary ELT tool

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currently executing 3000 + active jobs. The platform shall be deployed strictly on-premises and shall satisfy all requirements specified in this section in their entirety.

Current-State Baseline

The specifications below are informed by an operational analysis of the incumbent ELT environment.

Metric	***Current State (Existing Tool)***
Total ETL Jobs	3,000 + active jobs across ODS and BI layers
Source Systems	IRIS, eFBR, RegSys, TAMS, VAT, and further domains (100+)
Scheduling Patterns	Interval (1-min to 10-hr), daily time-triggered (overnight batch), weekly triggers, Majority Jobs are Interval based.
CDC Dependency	Dominant ingestion pattern is CDC with File Loading also available.
Agent Distribution	4 agents

Universal Connectivity and Native Adapters

Generic JDBC/ODBC bridges shall not satisfy connectivity requirements where native connectors are commercially available. The following native connector capabilities are mandatory:

Connector Category	**Mandatory Requirements**
Relational Databases	Native adapters for Oracle (including RAC), Microsoft SQL Server, PostgreSQL, Teradata, and Netezza/IBM Pure Data. Each adapter shall support bulk extraction, parallel partition reads, and pushdown query optimization.
Object Storage and Lakehouse	Native read/write to S3-compatible on-premises object stores. Shall support Parquet, ORC, Avro, JSON, Delta, and Iceberg formats without third-party intermediaries.
REST and Web Service APIs	Ingestion from RESTful and SOAP APIs with native support for OAuth 2.0, API key, and mutual-TLS authentication. Pagination handling, rate limiting, and schema inference from JSON/XML shall be supported natively.
Flat File and Unstructured Sources	Ingestion of CSV, TSV, fixed-width, JSON, XML, and binary formats delivered via SFTP, shared network paths, or object storage. Schema-on-read shall be supported for semi-structured and unstructured sources.

Workflow Orchestrator Integration	Native integration with Apache Airflow and equivalent DAG-based orchestrators via published REST APIs or a certified operator/plugin library.

Change Data Capture (CDC)

CDC shall be treated as a first-class, architecturally central capability of the platform, not an optional module. Log-based CDC is the mandatory extraction pattern.

Requirement	Specification
Log-Based CDC	Redo log mining for Oracle; transaction log parsing for SQL Server. Zero impact on source system performance. Sub-second capture latency for INSERT, UPDATE, and DELETE operations.
CDC to Object Store	Delivery of CDC event streams to S3-compatible on-premises object storage. Shall support both append-only event log and merge/upsert patterns for Lakehouse current-state tables.
Schema Evolution Handling	Automatic detection and handling of column additions, type changes, and table rename. Configurable alerting with graceful pipeline continuation or controlled suspension based on change severity.
Message Broker Integration	The platform shall include or integrate a distributed, fault-tolerant message broker as a first-party suite component supporting at-least-once or exactly-once delivery semantics, configurable retention, consumer group management, and air-gapped on-premises deployment.

Job Orchestration, Scheduling and Dependency Management

The platform shall support all existing scheduling patterns (interval-based, daily time-triggered, on-startup, and weekly) and shall add event-driven orchestration capabilities.

Requirement	Specification
Hybrid Scheduling Engine	Interval-based scheduling from seconds to hours, event-driven triggers (file arrival, API webhook, message broker event, row-count threshold), and on-demand manual execution within a single unified interface.
DAG-Based Dependency Orchestration	All pipelines shall be expressible as Directed Acyclic Graphs (DAGs) with explicit dependency declarations. Downstream jobs shall not execute until all upstream dependencies complete successfully.

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Parallel and Multi-Threaded Execution	Configurable parallelism at pipeline, step, and partition level. Automatic workload partitioning across available compute nodes.
Checkpoint and Resumption	Failed jobs shall resume from the last successfully committed micro-batch or partition. Full source reprocessing shall not be required upon failure.

High Availability and Fault Tolerance

Requirement	Specification
Clustered Worker Architecture	Horizontally scalable worker/agent cluster with no single point of failure. Workload automatically redistributed upon agent failure. In-flight jobs re-queued without data loss within RTO not exceeding 60 seconds.
Hardware Redundancy	Underlying hardware shall be deployed in a clustered, redundant configuration with no single point of failure at the server, storage, or network layer.
Automatic Load Balancing	Load-aware scheduler distributing jobs by domain affinity, resource availability, and priority class.
Failure Detection and Alerting	Detection of agent failures, job anomalies, SLA breaches, and source connectivity loss within sub-minute intervals. Automated alerts dispatched via email, SMTP gateway, and webhook. Escalation policies configurable by severity tier, domain, and business hours.

Data Lineage, Observability and Quality Profiling

Requirement	Specification
End-to-End Data Lineage	Automatic field-level and table-level lineage capture for every pipeline from source through all transformation steps to target. Lineage shall be query able, visualizable as a directed graph, and exportable for audit purposes. Impact analysis shall identify all downstream datasets affected by a source change or failure in real time.
Job Monitoring Dashboard	Live dashboard displaying job status, execution duration trends, row-count throughput per pipeline, and SLA compliance metrics. Refresh interval shall not exceed 30 seconds. Accessible via standard web browser with no client-side software installation.

Data Quality Profiling	Automated profiling aligned to all six DAMA-DMBOK quality dimensions: Accuracy, Completeness, Consistency, Integrity, Timeliness, and Uniqueness. Profiling shall execute at ingestion time and publish quality scorecards per pipeline and source system. Records failing quality thresholds shall be quarantined and routed for remediation without halting the primary pipeline.
Audit Logs	Immutable audit logs capturing all job executions, configuration changes, user access, data exports, and alert dispositions. Application performance metrics (CPU, memory, queue depth, connector latency) shall be exposed via a published metrics API compatible with standard enterprise monitoring systems.

Access Control, Developer Experience and AI-Assisted Intelligence

Requirement	**Specification**
Role-Based Access Control (RBAC) and Attributes-Based Access Control (ABAC).	Domain-scoped both RBAC & ABAC allowing each business domain team to view and manage only their assigned pipelines. Platform administrators shall retain cross-domain visibility. Integration with FBR/PRAL enterprise directory via LDAP or SAML 2.0 is mandatory
Low-Code and Code-First Interface	Visual drag-and-drop pipeline design canvas for standard source-to-target mappings. Full code-first interface supporting SQL, Python, or platform-native scripting for complex transformations. Both modes shall produce identical runtime artefacts with no functional disparity.
AI-Assisted Mapping and Anomaly Detection	Intelligent column mapping recommendations based on schema similarity, naming conventions, and data type compatibility. Statistical anomaly detection monitoring row-count volumes, execution durations, and null-rate trends per pipeline, with alerts triggered upon material deviation from established baselines.

5.4 Data Modeling and Platform Design

The Platform shall implement a structured, on-premises Lakehouse architecture organized as an Extended Medallion Data Model. This model shall comprise four named layers Bronze, Silver, Gold, and Cache. The architecture shall unify the scalability and schema flexibility of object storage with the query performance and ACID compliance of a Massively Parallel Processing (MPP) Enterprise Data Warehouse, connected through a federated query engine accessible across all layers without data movement. The model is designed to serve

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national-scale tax data workloads spanning ingestion from 30+ heterogeneous source systems through to low-latency analytical serving.

The Reporting Workload is 80% Transactional reports that require very quick response time and 20% Analytical Reports this would be a key metric in solution finalization.

The Platform shall provide native multi-modelled processing capability, handling both Online Transaction Processing (OLTP) and Online Analytical Processing (OLAP) data models within a single unified engine, coupled with Hybrid Transactional and Analytical Processing (HTAP), enabling transactional and analytical workloads to be served concurrently from the same platform without ETL-driven duplication between systems.

Layer	Storage Engine	Primary Purpose	Storage Tier
Cache Layer	In-Memory Distributed Cluster	Low-latency data objects, API serving, feature serving	Enterprise In-Memory Store
Gold Layer	MPP Enterprise Data Warehouse	Dimensional Model Star/Snowflake schemas for BI & reporting	MPP Storage
Silver Layer	MPP Enterprise Data Warehouse	Structured, auditable, historized, multi-source truth	MPP Storage
Bronze Layer	On-Premises S3-Compatible Object Store	Raw source replicas schema-on-read, full fidelity landing	Object Store / MPP Storage

Federated Query and Open Data Format

Requirement	Specification
Federated Query Engine	MPP Data Warehouse shall execute SQL queries spanning both the object store (Bronze) and MPP storage (Silver and Gold) within a single query plan, with no prior data movement. Query pushdown optimization shall minimize object store scans.
Open Table Format	Native read/write support for Apache Iceberg as the primary open table standard. Parquet as the default columnar format. ORC and Avro supported for ingestion compatibility. Full time-travel, snapshot management, and schema evolution shall be supported without table rewrites.
Open Metadata and Interoperability	All table definitions, schema registries, and catalogue entries shall be stored in open, non-proprietary formats. Metadata shall be exposed via open catalogue API ensuring interoperability with a compute cluster and future AI/ML tooling.

ACID Transactions	Full ACID transaction semantics guaranteed across all layers including concurrent write isolation, read consistency, and point-in-time recovery at both the object store and MPP warehouse layers.

Bronze Layer: Raw Landing and Operational Data Store

The Bronze Layer is the primary landing zone for all inbound source data, persisted in full fidelity on on-premises S3-compatible object storage. No business transformation shall be applied at this layer.

Requirement	Specification
Source-Faithful Raw Storage	All data from relational databases, APIs, flat files, and CDC streams shall be persisted in source schema. Ingestion timestamp, source system identifier, and batch or event sequence metadata shall be appended as system columns.
Business Abstraction Sub-Layer	An optional sub-layer shall provide human-readable aliases, domain-aligned naming conventions, and logical groupings over technically complex source schemas without altering underlying raw data.
Schema-on-Read and Partition Management	Schema-on-read semantics shall be supported for raw data querying without prior schema registration. Automatic partitioning by ingestion date, source system, and domain shall be enforced.
Retention and Immutability	Bronze Layer data shall be retained for a configurable period aligned with statutory and regulatory requirements.

Silver Layer: Conformed and Historized Data (MPP)

The Silver Layer is the enterprise-wide source of truth hosted on the MPP Data Warehouse. A structured, auditable modelling standard shall be applied at this layer, to be finalized during the design phase.

Requirement	Specification
Silver Layer Modelling	Mandatory implementation of a structured, auditable modelling approach comprising: core business entities (e.g., NTN, CNIC, STRN, invoice identifiers), cross-domain entity relationships, and descriptive attributes with historized change records. The modelling approach shall absorb source schema changes without structural model rewrites, with the specific technique to be finalized during the design phase.

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Multi-Source Identity Resolution	The Silver Layer modelling approach shall support identity-resolution linking across duplicate or related records, point-in-time (PIT) structures for temporal joins, and bridge structures for cross-domain relationship traversal, enabling a 360-degree Taxpayer View across IRIS, eFBR, RegSys, and TAMS
Alternative Modelling Support	An alternative normalized modelling approach shall be supported for reference data, lookup tables, and regulatory code sets, where appropriate. These structures shall coexist with the primary Silver Layer modelling structures within the same MPP layer without performance degradation
ACID Compliance and Time-Travel	Full ACID compliance across all Silver Layer tables. Point-in-time query capability shall enable reconstruction of any entity's exact state at any historical timestamp, as required for legal defensibility of tax assessments.

Gold Layer: Dimensional Model and Analytical Serving (MPP)

The Gold Layer provides the consumption-ready analytical model hosted on the MPP Data Warehouse. All data shall be derived exclusively from the Silver Layer.

Requirement	Specification
Dimensional Modelling	Star Schema and Snowflake Schema models aligned to tax domain data products: Taxpayer 360 Profile, Compliance Behavior, Revenue Performance, Audit and Enforcement, and Refund Management. Fact tables shall carry pre-aggregated measures to sustain Seconds query response times.
MPP Query Performance	Interactive query performance at full production data volumes. Workload management shall prioritize executive and officer-facing dashboards over bulk extract workloads. Result caching and partition pruning shall be employed to meet performance SLAs without manual query tuning.

Cache Layer: In-Memory Distributed Cluster

The Cache Layer is a first-class architectural component serving as the low-latency tier for data objects requiring sub-second access patterns unsuitable for MPP or object storage retrieval.

Requirement	Specification
High-Availability Cluster	Minimum three nodes in a primary-replica configuration with automatic failover. No single node shall constitute a single point of failure. Data persistence shall be enabled to support cache recovery without full reload from the MPP warehouse upon node restart.

Low-Latency Data Product Serving	Pre-computed data objects including Taxpayer 360 profiles, risk scores, lookup tables, and reference datasets shall be served at sub-millisecond read latency under concurrent API load. Shall function as the primary serving store for the platform's REST API tier.
Feature Store Interface	Key-value and hash map interface for serving pre-computed ML feature vectors to AI/ML model inference workloads. Feature TTL policies shall be configurable per feature group. Cache invalidation shall be triggered programmatically upon Silver or Gold Layer refresh events.
Access Control and Namespace Isolation	Namespace-level isolation between domain data objects. RBAC enforced at namespace and key-pattern level, aligned with Silver and Gold Layer access policies. All cache access events shall be logged to the platform's central audit log.

5.5 Data Enrichment

To transform, enhance, and augment data in CDH to bring in higher-value information assets that directly support FBR's analytical, operational, and decision-making needs. The proposed platform shall provide the capabilities, frameworks, and processes required to systematically enrich data across all business domains.

Enrichment Capabilities

The platform shall support the following categories of enrichment:

- **Derived Attributes & Computed Fields**: Generation of calculated fields, ratios, trends, and aggregations not present in source systems (e.g., year-on-year filing growth, payment-to-declaration ratios).
- **Classification & Segmentation**: Automated tagging and categorization of taxpayers, transactions, and entities based on defined business rules and ML-driven models (e.g., risk tiers, taxpayer segments, sector classification).
- **Scoring & Indexing**: Generation of composite scores such as risk scores, compliance scores, and tax scores, combining multiple underlying indicators into business-consumable metrics.
- **Reference Data Matching & Standardization**: Matching and standardizing entity records (taxpayers, businesses, addresses) against reference and master data to resolve duplicates, correct inconsistencies, and establish golden records.
- **Geospatial Enrichment**: Appending geographic and jurisdictional context (tax office, region, geocoded address) to support geospatial analytics.

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- **Lifecycle Enrichment**: Appending time-based context such as fiscal periods, filing cycles, and historical comparison windows to support trend and lifecycle analysis.
- **Cross-Domain Linkage**: Establishing relationships and linkages between datasets across business domains (e.g., linking sales tax filings to income tax declarations for the same taxpayer) to enable cross-subject area analysis and Taxpayer 360 profiles.

5.6 Object Storage On-Premise

Deployment Architecture and Infrastructure Compatibility

Requirement	Specification
Deployment Model	Fully on-premises deployment using NVMe SSD as the primary storage media to support I/O-intensive, high-throughput Big Data workloads per manufacturer-published performance specifications.
Infrastructure Integration	Solution shall integrate natively with the existing platform infrastructure without requiring proprietary interconnects or vendor-specific hardware dependencies.
Platform Compatibility	Solution shall be vendor-certified for full integration with compute engines providing a unified storage layer across the platform.
Hardware Failure Tolerance	The storage layer shall implement erasure coding as the default data protection scheme, with a minimum EC 8+3 configuration or equivalent, ensuring continued read/write operations and zero data loss upon simultaneous failure of up to 33% of independent storage nodes or drives. The solution shall additionally support configurable replication factors for latency-sensitive datasets where erasure coding overhead is operationally unacceptable. Rebuild operations following drive or node failure shall proceed autonomously without manual operator intervention and shall not degrade foreground query performance below 80% of baseline throughput.
Integration with AI/ML Compute Cluster	The object storage needs to connect with the core AI/ML Compute cluster for data processing and all types of AI/ML workloads.

Native S3 Compatibility and Open Format Support

Requirement	Specification
Native S3 Protocol	Built-in S3-protocol compatibility with no reliance on third-party translation layers, middleware, or gateway software. Shall support object PUT, GET, DELETE, multipart upload, bucket lifecycle policies, and pre-signed URL generation.
Open Table Format Support	Native support for open table format like Delta Lake, Apache Iceberg, and Apache Hudi and others.

Open Columnar File Formats	Native support for open file formats like Apache Parquet and Apache ORC and others enabling direct query access from compute and warehousing layers without data movement or format conversion overhead.

Scalability and Vendor-Neutral Extensibility

Requirement	Specification
Horizontal Scalability	Seamless horizontal scaling of raw usable storage capacity to a minimum of two Petabytes. Storage node expansion shall be performed online with minimal operational disruption and zero unplanned downtime.

Monitoring, Observability and Operational Management

Requirement	Specification
Built-In Observability	Native monitoring suite providing visibility into storage utilization, I/O throughput, latency metrics, node health, and fault events without dependency on external monitoring tools.
Alerting and Integration	Configurable alerting thresholds with support for enterprise-grade SNMP, Syslog, or REST-based notification system integration.

5.7 MPP Enterprise Data Warehouse

The MPP Enterprise Data Warehouse shall serve as the central analytical engine of the Central Data Hub, deployed entirely on-premises with no dependency on cloud-hosted services or external network connectivity. All capabilities shall conform to latest DAMA-DMBOK data management principles.

Parallelism and Query Optimization

Requirement	Specification
Parallel Architecture	Processing shall be distributed across all nodes in the cluster, whether via a shared-nothing, shared-storage, or shared-memory architecture, such that all data operations including filtering, aggregation, joining, and sorting scale horizontally across nodes with no single processing bottleneck. Where the proposed engine natively supports Multi-Model / HTAP processing (see Multi-Model & HTAP Processing below), the underlying storage and memory architecture may be shared or unified across nodes as required to support real-time transactional-analytical consistency, provided horizontal scalability and fault tolerance are preserved.
Multi-Level Parallelism	Shall support inter-query parallelism (simultaneous independent queries), intra-query parallelism (parallel execution of individual query steps), and intra-operator parallelism (parallel processing within a single operator).

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Cost-Based Query Optimizer	Execution plans shall be evaluated using real-time and historical statistics on data distribution, cardinality, column selectivity, and node resource availability. Partition-wise joins and partition pruning shall be supported.
Adaptive Query Re-Optimization	Execution engine shall revise query plans mid-flight when actual runtime statistics deviate materially from optimizer estimates, eliminating performance degradation caused by data skew or parameter-sensitive queries.
Hybrid Execution	Native support for combined row-oriented and column-oriented access patterns within a single query, adapting dynamically to workload characteristics.

Multi-Model & HTAP Processing

Multi-Model Engine	The MPP Enterprise Data Warehouse shall natively support both Online Transaction Processing (OLTP) and Online Analytical Processing (OLAP) data models within a single unified engine, without requiring separate specialized databases for each processing model.
Hybrid Transactional and Analytical Processing (HTAP)	Transactional and analytical workloads shall be served concurrently against the same underlying data with no batch-driven replication delay between an operational copy and an analytical copy, consistent with the mixed 80% transactional / 20% analytical reporting profile defined in Section 5.4.
No Federation Dependency	Multi-Model and HTAP capability shall be delivered natively by the platform engine itself, rather than achieved by federating or stitching together separate specialized systems (e.g., a distinct OLTP database plus a distinct OLAP warehouse) through external integration or ETL layers.

Advanced Workload Management

Requirement	Specification
Workload Classification	Classification shall operate on user identity, group membership, role, database object, query complexity, estimated resource consumption, submission time, and application source identifier. Rules shall be configurable without system restart.
Resource Pools and Prioritization	Configurable resource pools with limits on memory, CPU, and concurrency. High-priority tax assessment and audit workloads shall be guaranteed resource availability under peak load.
Automatic Query Demotion	Long-running or resource-intensive queries shall be dynamically repositioned to lower-priority queues upon exceeding pre-defined resource thresholds.
Operational Visibility	Real-time visibility into queue depth, query wait time, resource pool saturation, and active session counts via a dedicated administrative interface and programmatic monitoring APIs.

Federated Query Capability

Requirement	Specification
Native Federated Execution	Single SQL statements shall transparently retrieve and join data from heterogeneous external sources alongside locally stored data. Supported sources shall include object storage (Iceberg, Parquet), relational databases (JDBC/ODBC), columnar file stores, and structured flat-file repositories.
Predicate Pushdown	Predicate pushdown to external sources shall be performed wherever technically supported, minimizing data movement and ensuring only required result sets are transported across the network.
External Metadata Catalogue	External data sources shall be registered with schema definitions and presented as logical schema objects indistinguishable from native internal tables. Federated access shall be subject to identical RBAC, audit logging, and session controls as internally stored data.

Native Object Storage Connectivity

Requirement	Specification
Direct Object Storage Integration	Native high-throughput read/write connectivity to the on-premises S3-compatible object storage tier with no intermediary file staging, manual export/import cycles, or third-party data movement utilities.
Support for Open table	Full support for open table format as the primary open table format including ACID transactions, time-travel queries, schema evolution, and partition evolution without data reorganization.
DML on Object Storage	Shall support CREATE TABLE, INSERT, UPDATE, DELETE, and MERGE operations directly targeting object storage-backed Iceberg tables. Concurrent reads and writes shall be managed through optimistic concurrency control with transparent conflict resolution.

Data Encryption and Anonymization

Requirement	Specification
Encryption at Rest and in Transit	Industry-standard encryption applied uniformly to all data files, temporary storage, transaction logs, audit logs, and backup artefacts. All data in transit between cluster nodes, object storage, and client applications shall be encrypted.
Dynamic Data Masking	Column-level dynamic masking enforced at query runtime without modifying stored data. Masking policies shall apply selectively based on the querying user's role, enabling privileged users to access unmasked values while non-privileged users receive masked outputs from the same table.
Static Masking and Tokenization	Built-in support for static data masking and format-preserving tokenization for PII protection aligned with DAMA-DMBOK Data Security principles.
Data Classification Tagging	Column-level classification tagging to facilitate automated PII discovery, masking policy assignment, and downstream lineage tracking.

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Role-Based Access Control

Requirement	Specification
RBAC Model	Comprehensive RBAC governing all interactions with databases, schemas, tables, columns, views, stored procedures, and administrative operations. Access rights shall be granted exclusively through role assignments, not direct user-to-object grants.
Role Hierarchies and Least Privilege	Role inheritance from parent roles shall be supported. Least privilege shall be enforced such that no user or process possesses access rights exceeding those required for their assigned function.
Column and Row-Level Security	Column-level security enforced natively by the query engine. Row-level security enforced through dynamic session context policies enabling multi-tenancy on shared physical tables.
Enterprise Directory Integration	Integration with enterprise directory services via LDAP and SAML 2.0 for centralized identity management and single sign-on.

Audit Logging

Requirement	Specification
Mandatory Audit Events	Logs shall capture all user authentication, privilege escalation, DDL and DML operations on sensitive objects, administrative configuration changes, bulk export operations, federated query executions, and access to encrypted or masked columns.
Audit Record Content	Each record shall include event timestamp, authenticated user identity, source IP address, client application identifier, full SQL statement text, objects accessed, row and column scope, and outcome status.
SIEM Integration	Streaming audit log forwarding to external SIEM systems via industry-standard protocols for real-time threat detection. Audit logging shall operate with negligible performance impact on production query workloads.

Query Performance, Storage and SQL Compliance

5.10	Data Governance
Query Performance	Consistently high performance across ad-hoc exploratory queries, complex multi-join analytical queries, scheduled batch reports, and real-time dashboard queries requiring sub-second response latency. Query profiling and explain plan tooling shall be available for routine tuning without vendor assistance.
Data Compression	Adaptive, lossless compression applied automatically at the storage layer per column based on data type, cardinality, and value distribution. Compression shall be transparent to all SQL operations with no manual decompression steps required.
SQL Standard Compliance	Full conformance to ANSI SQL:2016 including all standard DML and DDL constructs, set operators, comprehensive window functions (RANK, DENSE_RANK, ROW_NUMBER, LAG, LEAD, FIRST_VALUE, LAST_VALUE, NTILE), and recursive CTEs for hierarchical data traversal.

Storage Organization and Distribution	Support for both row-oriented and columnar storage formats. Distribution strategies shall include hash distribution, range distribution, and replicated distribution for lookup tables. Table partitioning on date, numeric range, or list values with automatic partition pruning enforced by the query optimizer.

5.8 Data Science & AI/ML

The Central Data Hub shall provide a fully enterprise AI platform supporting the complete machine learning lifecycle including data preparation, feature engineering, model training, deployment, monitoring, explainability, governance, auditability, and retirement.

All platform components shall operate exclusively within the on-prem network perimeter, support air-gapped deployment, and have no dependency on external networks or services for any aspect of their operation. The platform shall not require any GPU hardware for its operation or for the development of AI/ML models. The platform will provide AI/ML workload compute cluster using the underlying object storage, MPP storage and other data storage layers when applicable.

The following functional requirements shall apply to the development of AI/ML models.

Section	**Category**	**Specification**
Core Platform Requirements	Foundation	The platform shall provide a reliable, scalable foundation capable of handling AI/ML workloads, with automatic recovery from failures and consistent performance under high load. All software shall be fully licensed for on-premises, air-gapped operation with no dependency on external networks.
Feature Store and Data Quality	Data Pipeline	The platform shall provide a centralized Feature Store that calculates, stores, and serves model-ready data features to all AI models with consistent values and sub-millisecond retrieval for real-time scoring. The platform shall enforce automated data quality checks on all data feeding AI models, covering completeness, validity, consistency, and freshness. Records failing defined thresholds shall be quarantined and an alert raised before reaching any model.
MLOps and Model Governance	AI Development	The platform should provide an MLOps framework covering experiment tracking, model registry, version control, and automated CI/CD pipelines for training, validation, and deployment of AI models, with full lineage and audit trail maintained for every model version.

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DataOps and Pipeline Governance	Data Pipeline	The platform should maintain version control for all datasets used in AI model training, with each model traceable to the exact dataset version used. Pipelines feeding AI models shall be governed by defined data contracts specifying schema, refresh frequency, and quality thresholds, with automated quality checks quarantining records that fail these thresholds
AI and Advanced Analytics Platform	AI Development	The AI/ML Development Platform shall provide a scalable environment covering the complete model development lifecycle including data preparation and feature engineering through training, validation, deployment, and monitoring that supports both code-based and low-code/no-code development with AutoML capabilities.
Data Sharing Hub	Consumer Layer	The platform should provide a Data Sharing Hub enabling FBR/PRAL departments and authorized external agencies to access governed data products and AI model outputs through a single secure interface, including API gateways. All access shall be logged, role-based, and auditable.
Predictive Analytics and AI-Driven Insights	AI Intelligence	The platform shall provide predictive analytics capabilities enabling FBR/PRAL to anticipate taxpayer behavior, identify risk, and prioritize compliance activities based on historical data patterns. This includes risk scoring, anomaly detection, forecasting, segmentation, and case prioritization models built and managed through the AI/ML Development Platform.
Security and Access Control	Security	Attribute-based access control (ABAC) enforced at the object store policy layer. No path to training data shall bypass the access control boundary. Identity federation via SSO/IAM, network isolation, and secrets management shall be mandatory. Data at rest should be encrypted using platform-managed or customer-managed keys. All inter-node traffic between executors and the object store shall be encrypted in transit via SSL/TLS. RBAC, audit logging, lineage tracking, data catalogue integration, and policy enforcement for all sensitive data assets across the AI/ML layer.
Observability and Monitoring	Operational monitoring	The platform should provide cross-cutting operational monitoring across all functional components, covering operational monitoring, ML model monitoring, data health, data lineage, and application insights.
Platform Scale-Up	Foundation	The platform should be designed to support future infrastructure growth, covering capacity planning, compute

		expansion, storage growth, dynamic scaling, and workload separation, based on the functional scope defined above.
AI Platform Subscription and Support	Delivery & Support	The vendor should provide ongoing support and subscription for the AI platform after go-live, covering the subscription term, offline updates, annual reviews, support for new AI use cases, and ongoing support for deployed models.

5.9 Stream Data Processing

The platform shall address both Near Real-Time (NRT) and Real-Time (RT) stream processing requirements. NRT processing shall utilize a micro-batching approach to balance data freshness with system throughput, delivering results within seconds to minutes. RT processing shall handle record-by-record event processing with sub-second latency, imposing distinct requirements on event sourcing, state management, and fault tolerance at every architectural layer.

Core Processing Requirements

Requirement	NRT Specification	RT Specification
Latency	Data processed within seconds to minutes using configurable micro-batch windows.	Data processed within milliseconds to seconds using continuous, record-by-record streaming.
Processing Engine	Micro-batch processing engine with configurable time and size-based windowing.	Event-by-event stream processing architecture with stateful and stateless transformation support.
Data Ingestion	Scheduled streaming or buffered event ingestion from applications, databases, APIs, and logs.	High-throughput continuous event streaming via low-latency message brokers with no buffering delay.
Scalability	Elastic horizontal scaling for streaming and analytics workloads handling variable data volumes and peak loads.	Auto-scaling distributed architecture optimized for ultra-low latency under concurrent high-volume event loads.
Fault Tolerance	Checkpointing, automated retries, and replay mechanisms ensuring pipeline continuity on failure.	High-availability architecture with state recovery and exactly-once processing guarantees.
AI/ML Integration	Continuous feature refresh, model monitoring, and automated retraining triggers based on drift signals.	Real-time feature serving, online inference APIs, and instant prediction responses at sub-second latency.

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Data Governance, Security and Observability

Requirement	Specification
Access Control and Security	RBAC and real-time policy enforcement across all stream processing components. Secure streaming with encrypted data in transit. Low-latency access controls enforced without introducing processing overhead.
Audit Logging and Lineage	Audit logging and lineage tracking maintained across all NRT and RT pipeline stages. All processed events shall be traceable from source ingestion through transformation to downstream consumption.
Data Quality and Validation	Quality and validation checks enforced prior to processing to detect missing, duplicate, delayed, or malformed data. Records failing quality thresholds shall be quarantined and flagged without halting the pipeline.
Observability and Alerting	Real-time telemetry covering throughput, latency, and processing lag. SLA monitoring with automated alerting when data freshness, accuracy, or system thresholds are breached.

Downstream Integration

Requirement	Specification
Consumption Targets	Processed data shall be delivered to dashboards, operational applications, ML models, REST APIs, decision engines, and data warehouses. Both NRT and RT outputs shall be available as consumable data products through standardized interfaces.
Data Persistence	All processed outputs shall be persisted to the designated storage layer in open formats with ACID compliance, supporting downstream replay, reprocessing, and historical analysis.

Implementation Scope

The vendor shall be responsible for provisioning the infrastructure required to support NRT and RT stream processing, covering the following activities:

- Provisioning and deployment of stream and micro-batch processing clusters including installation, configuration, and network setup
- Sizing and capacity planning of compute infrastructure to handle variable data volumes, peak loads, and concurrent workloads, per Section 6

- Installation and base configuration of infrastructure-level fault tolerance mechanisms (clustering, redundancy, storage replication) up to the point of readiness for the Data Platform Implementation Vendor to configure pipeline-level checkpointing, retry logic, and replay
- Network and connectivity readiness for downstream integration points (dashboards, ML models, APIs, MPP Data Warehouse), excluding actual pipeline/application-level integration
- Deployment and base configuration of observability infrastructure (agents, log shippers, monitoring endpoints), excluding application-level SLA/latency instrumentation, which is the Data Platform Implementation Vendor's responsibility

5.10 Data Governance

Data Governance, as defined by the latest Data Management Association's *DMBOK* framework, is the exercise of authority, control, and shared decision-making over the management of data assets encompassing policies, processes, standards, roles, and metrics that ensure data is managed as a strategic organizational resource across its full lifecycle. Grounded in DMBOK's knowledge areas from Data Quality, Metadata Management, Data Security, Privacy and Master Data Management. Governance establishes the stewardship structures, accountability frameworks, and operational controls that enable an organization to trust its data, demonstrate regulatory compliance, and derive consistent, measurable value from its information assets.

The Platform shall implement a comprehensive, enterprise-grade Data Governance capability that establishes and enforces policies, roles, responsibilities, processes, and controls across the entire data lifecycle. All requirements in this section are mandatory unless stated otherwise.

Governance Framework & Policy Enforcement

Req. ID	Functional Requirement	Priority
DG-001	The Platform shall provide a centralized data governance module capable of defining, publishing, and enforcing data policies across all integrated data domains without requiring manual intervention per dataset.	Mandatory
DG-002	The Platform shall support a configurable data governance operating model encompassing a minimum of three (3) tiers: Executive Steward, Domain Data Owner, and Data Custodian with role-specific dashboards and task queues.	Mandatory

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DG-003	The Platform shall enforce data governance policies at ingestion, transformation, and query layers. Policy violations shall be intercepted, logged, and escalated without corrupting the operational data pipeline.	Mandatory
DG-004	The Platform shall provide a policy versioning engine that maintains a full audit trail of policy creation, modification, approval, and retirement events, with a minimum retention of five (5) years.	Mandatory
DG-005	The Platform shall support integration with FB R's organizational directory to assign governance roles based on organizational unit and position classification. (AD/LDAP info will be shared with vendor).	Mandatory

Data Stewardship & Accountability

Req. ID	Functional Requirement	Priority
DG-006	The Platform shall provide a stewardship workflow engine enabling data stewards to raise, route, approve, and resolve data issues, with configurable SLA timers and escalation paths per issue severity class.	Mandatory
DG-007	The Platform shall maintain a stewardship accountability register, recording all stewardship assignments, actions taken, resolution timestamps, and residual risk signoffs.	Mandatory
DG-008	The Platform shall generate stewardship performance metrics on a configurable schedule (daily, weekly, monthly), exportable in structured format (CSV, JSON, PDF) for executive reporting.	Mandatory

Access Governance & Role-Based Access Control (RBAC)

Req. ID	Functional Requirement	Priority
DG-009	The Platform shall enforce granular Role-Based Access Control (RBAC) at a minimum of five (5) hierarchical levels: Platform, Domain, Dataset, Table/Object, and Column/Field.	Mandatory
DG-010	The Platform shall enforce data classification labels (e.g., Public, Internal, Confidential, Restricted, Top Secret) that propagate automatically from metadata through all downstream data products and query surfaces.	Mandatory

DG-011	The Platform shall support attribute-based access control (ABAC) extensions, permitting policy conditions based on user attributes (clearance level, organizational unit, geographic region) in addition to role assignments.	Mandatory
DG-012	The Platform shall generate a complete, tamper-evident access governance audit log capturing: user identity, role at time of access, data object accessed, operation performed, timestamp (UTC), and outcome. Logs shall be immutable and retained for a minimum of five (5) years.	Mandatory
DG-013	The Platform shall enforce PII access restrictions by default. Access to PII fields shall require explicit data owner approval, with approvals recorded in the stewardship accountability register (see DG-007).	Mandatory

Regulatory & Audit Compliance

Req. ID	Functional Requirement	Priority
DG-014	The Platform shall provide a dedicated regulatory compliance dashboard mapping all active data governance controls to the applicable FBR obligations. (Compliance Rules will be provided to vendor).	Mandatory
DG-015	The Platform shall produce on-demand regulatory evidence packages (audit packs) in a structured, machine-readable format (PDF/JSON) summarizing: data lineage, policy enforcement records, access logs, and open issue logs for any defined date range.	Mandatory
DG-016	The Platform shall support air-gapped deployment mode, in which all governance operations, policy enforcement, and audit logging function without any dependency on external network connectivity or cloud-hosted services.	Mandatory

Governance Metrics & Reporting

Req. ID	Functional Requirement	Priority
DG-017	The Platform shall expose a configurable data governance scorecard tracking, at minimum: policy compliance rate (%), open stewardship issues (count/age), RBAC exceptions (count), PII access events (count), and audit pack generation frequency.	Mandatory

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DG-018	The Platform shall support integration with external BI reporting tools via a documented REST API or JDBC/ODBC endpoint for governance metric consumption by the national fiscal authority's enterprise reporting layer.	High

Metadata Repository & Active Catalogue

Req. ID	Functional Requirement	Priority
MM-001	The Platform shall provide a centralized, actively maintained Metadata Repository (Business Glossary + Technical Catalogue) capable of storing, versioning, and serving meta-data for all data assets ingested into or produced by the Platform.	Mandatory
MM-002	The Platform shall auto-discover and register metadata for new datasets upon ingestion, capturing source system identifier, ingestion timestamp, schema (column names, data types, nullability), record volume, and partition strategy.	Mandatory
MM-003	The Platform shall maintain three (3) distinct metadata layers: (i) Business Metadata business definitions, data owner, classification; (ii) Technical Metadata schemas, storage paths, file formats, statistics; (iii) Operational Metadata job runs, row counts, SLA status, quality scores.	Mandatory
MM-004	The Platform shall version all metadata changes, maintaining a complete history of schema evolution events with actor identity, change timestamp, and change description.	Mandatory
MM-005	The Platform shall expose the Metadata Repository via a documented, versioned REST API supporting CRUD operations, enabling programmatic integration with external governance tools, reporting systems, and auditors.	Mandatory

Business Glossary & Term Management

Req. ID	Functional Requirement	Priority
MM-006	The Platform shall include a Business Glossary module enabling data stewards to create, review, approve, publish, and retire business terms. Each term record shall include term name, definition, synonyms, related terms, owning domain, status, and approval history.	Mandatory
MM-007	The Platform shall link Business Glossary terms to corresponding technical metadata objects (tables, columns,	Mandatory

	reports, pipelines) via a term-to-asset association model, providing a bi-directional navigation path.	
MM-008	The Platform shall support FBR fiscal-domain taxonomies applicable to tax administration, including classification hierarchies for: taxpayer entity types, tax product codes, filing period definitions, and transaction categorization schemas. (Applicable FBR taxonomy will be shared with vendor).	Mandatory

End-to-End Data Lineage

Req. ID	Functional Requirement	Priority
MM-009	The Platform shall automatically capture and maintain end-to-end data lineage at both column-level and dataset-level granularity across the complete data pipeline, from source ingestion through ELT transformation, object storage, compute clusters, MPP warehouse, and reporting layers.	Mandatory
MM-010	The Platform shall render data lineage as an interactive directed acyclic graph (DAG) accessible via the governance interface, with the ability to trace any field in any downstream report back to its originating source system record.	Mandatory
MM-011	The Platform shall support impact analysis queries given any upstream change (schema modification, source system migration, pipeline restructure); the system shall immediately identify and surface all downstream datasets, reports, and AI model feature sets affected.	Mandatory
MM-012	Data lineage records shall be immutable once committed. Corrections shall be implemented via superseding lineage records, with full retention of the superseded record and actor attribution.	Mandatory

Metadata Quality & Completeness

Req. ID	Functional Requirement	Priority
MM-013	The Platform shall continuously monitor and score Metadata Completeness across all registered data assets. Assets with Metadata Completeness below a configurable threshold (default: 80%) shall trigger a stewardship task in the governance workflow engine (see DG-006).	Mandatory

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MM-014	The Platform shall validate metadata entries against configurable rules (e.g., mandatory field population, valid value lists, term linkage requirements) at point of registration and on scheduled re-validation cycles.	Mandatory
MM-015	The Platform shall produce a Metadata Health Report on a configurable schedule, quantifying: total registered assets, completeness score distribution, orphaned assets (no owner), stale metadata (not updated within configurable threshold), and unlinked technical objects.	High

Search, Discovery & Integration

Req. ID	Functional Requirement	Priority
MM-016	The Platform shall provide a full-text search interface across the Metadata Repository, supporting search by business term, technical object name, data owner, classification label, data domain, and free-text keyword with ranked relevance results.	Mandatory
MM-017	The Platform shall support metadata federation, enabling the Metadata Repository to harvest and synchronize metadata from registered external source systems on a configurable schedule without requiring manual import.	Mandatory
MM-018	The Platform shall maintain a Sensitive Data Register within the Metadata Repository, auto-tagging fields classified as PII, Tax-Sensitive, or Legally Restricted upon ingestion, using pattern-based classification rules. Human steward review shall be required before classification is finalized.	Mandatory

Data Quality Rules Engine

Req. ID	Functional Requirement	Priority
DQ-001	The Platform shall provide a centralized Data Quality Rules Engine enabling authorized data stewards to define, version, deploy, and retire quality rules without requiring software development or platform redeployment.	Mandatory
DQ-002	The Platform shall support a minimum of six (6) rule types: (i) Completeness, null/blank detection; (ii) Accuracy value conformance to authoritative reference; (iii) Consistency cross-field/cross-dataset agreement; (iv) Uniqueness duplicate detection; (v) Timeliness freshness relative to defined SLA; (vi) Reasonability statistical range/outlier validation.	Mandatory

DQ-003	Quality rules shall be applicable at three (3) enforcement points: (a) at ingestion (pre-load validation); (b) at transformation (mid-pipeline validation); (c) at publication (pre-consumption certification).	Mandatory
DQ-004	The Platform shall support quarantine mode: records failing critical quality rules shall be automatically routed to an isolated quarantine zone with full metadata retention, pending stewardship review and remediation, without halting the primary pipeline.	Mandatory

DAMA Quality Dimensions Detailed Requirements

Dimension	Req. ID	Platform Requirement	Measurement KPI
Accuracy	DQ-005	The Platform shall validate field values against authoritative reference datasets (e.g., national taxpayer register, financial institution codes, tax product master). Discrepancies shall be flagged, scored, and routed to the stewardship workflow.	*Accuracy Rate ≥ 99.5% for Mandatory fiscal fields*
Completeness	DQ-006	The Platform shall compute column-level and dataset-level completeness scores on every pipeline execution. Datasets falling below a configurable completeness threshold (default: 98%) shall be blocked from the publication layer.	*Completeness Score ≥ 98% (configurable)*
Consistency	DQ-007	The Platform shall enforce cross-domain consistency rules ensuring that equivalent data attributes (e.g., taxpayer ID, entity name, registered address) are reconciled to a single canonical value across all source systems ingested.	*Cross-domain conflict rate < 0.1%*
Integrity	DQ-008	The Platform shall enforce referential integrity constraints across all relational and dimensional models within the MPP warehouse, rejecting or quarantining records that violate defined foreign key relationships.	*Integrity violation rate = 0% for certified datasets*
Reasonability	DQ-009	The Platform shall apply configurable statistical profiling (min, max, mean, standard deviation, inter-quartile range) to numeric and date fields, flagging records whose values deviate beyond a configurable z-score threshold (default: ±3σ) as potential anomalies for stewardship review.	*Anomaly detection sensitivity: configurable; default ±3σ*

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Timeliness	DQ-010	The Platform shall track data freshness for every registered dataset against a defined Maximum Tolerable Data Age (MTDA) SLA. Datasets exceeding their MTDA shall trigger an automated stewardship alert within five (5) minutes of breach detection.	*MTDA breach alert latency ≤ 5 minutes*
Uniqueness	DQ-011	The Platform shall execute duplicate detection algorithms (exact match and configurable fuzzy match) on defined entity keys (taxpayer identifiers, transaction references, filing records) across the full dataset scope. Detected duplicates shall be flagged, not silently deleted.	*Duplicate rate ≤ 0.01% on key entity identifiers*

Data Quality Scoring & Certification

Req. ID	Functional Requirement	Priority
DQ-012	*The Platform shall compute a composite Data Quality Score (DQS) for each dataset, calculated as the weighted average of all applicable DAMA dimension scores. Dimension weights shall be configurable by data domain and dataset type.*	Mandatory
DQ-013	The Platform shall enforce a Data Quality Gate at the publication layer: datasets with a DQS below a configurable minimum threshold (default: 95/100) shall be withheld from the analytical consumption layer until remediated and re-certified by an authorized data steward.	Mandatory
DQ-014	Certified datasets shall be assigned a cryptographically signed Data Quality Certificate, recording: DQS at certification, certifying steward identity, certification timestamp, rules evaluated, and expiry date. Certificates shall be stored in the Metadata Repository (see MM-003).	Mandatory

Data Quality Monitoring & Alerting

Req. ID	Functional Requirement	Priority
DQ-015	The Platform shall provide a real-time Data Quality Operations Dashboard displaying live DQS per active dataset, open quarantine record counts, active rule breach alerts, dimension-level trend charts (30/60/90-day rolling), and pipeline health indicators.	Mandatory

DQ-016	The Platform shall support configurable alerting channels (email, webhook, SNMP trap, SIEM integration) for quality breach events, with a minimum alert delivery latency of less than two (2) minutes from breach detection to notification.	Mandatory
DQ-017	The Platform shall maintain a longitudinal Data Quality History Store, retaining DQS time-series data for all datasets for a minimum of five (5) years to support regulatory audit and trend analysis.	Mandatory

MDM Architecture & Golden Record Management

Req. ID	Functional Requirement	Priority
MDM-001	The Platform shall implement a Registry-style and Consolidation-style MDM architecture, capable of operating in either mode or hybrid mode per entity domain, selectable during implementation configuration without requiring code changes.	Mandatory
MDM-002	The Platform shall generate and maintain a Golden Record for each master entity class (minimum: Taxpayer, Legal Entity, Financial Institution, Tax Product, Filing Period, Geographic Administrative Unit). The Golden Record shall represent the single, authoritative, deduplicated, and enriched version of each entity.	Mandatory
MDM-003	The Platform shall implement a configurable survivorship rule engine, determining which source system attribute value is promoted to the Golden Record based on rules including source system trust ranking, recency, completeness score, and frequency of occurrence.	Mandatory
MDM-004	All Golden Record updates shall generate an immutable change event, recording: prior value, new value, survivorship rule applied, source system of change, actor identity, and UTC timestamp. Change events shall be retained for a minimum of five (5) years.	Mandatory
MDM-005	The Platform shall expose Golden Record data via a versioned Master Data API (REST/GraphQL) enabling downstream systems, AI feature stores, and reporting layers to consume authoritative master data in real time without direct database coupling.	Mandatory

Reference Data Management (RDM)

Req. ID	Functional Requirement	Priority

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RDM-001	The Platform shall provide a centralized Reference Data Registry maintaining all fiscal and administrative code sets, value domains, and lookup tables (e.g., tax type codes, country codes, currency codes, industry classification codes, filing status codes) as managed, versioned reference data objects.	Mandatory
RDM-002	Each reference data set shall support full lifecycle management: Draft → Review → Approved → Published → Deprecated → Retired - with mandatory steward approval at each transition gate and full version history retention.	Mandatory
RDM-003	The Platform shall enforce referential integrity constraints throughout the MPP warehouse and ELT transformation layer by referencing only Published reference data values. Transformation jobs referencing Deprecated or Retired values shall generate a blocking data quality alert.	Mandatory
RDM-004	The Platform shall support synchronization of reference data with designated authoritative external registries (e.g., FBR national standards body, international tax code authorities) on a configurable schedule. All externally synchronized values shall be human-reviewed before publication. (These specifications will be provided to vendor).	Mandatory
RDM-005	The Platform shall expose all Published reference data sets via the Master Data API (see MDM-005) as a unified, query able domain values service, enabling consistent code resolution across all Platform consumers.	Mandatory

5.11 BI & Analytics

The proposed Tool and Solution shall establish a centralized, scalable, enterprise-grade, Business Intelligence (BI) & Analytics ecosystem capable of supporting enterprise reporting and analytical requirements for operational users, field formations, analysts, management, and executive leadership. The platform shall support near real-time transactional reporting, pre-built/canned reports and dashboards, interactive reporting, self-service analytics, and high-performance aggregated and executive dashboards, enabling operational, strategic, and executive decision-making through a unified enterprise analytics environment.

The proposed solution shall support both **analytical and transaction-level** reporting, with the ability to navigate from summarized and aggregated information down to the lowest available grain of transactional data, subject to defined business requirements and access controls. The platform shall support multiple data consumption horizons, ranging from near real-time operational data to summarized, aggregated, and historical datasets, based on business use cases and performance requirements.

For ease of use and mass-scale adoption, the solution shall enable the development, publishing, organization, and maintenance of pre-built/canned reports and dashboards for standardized and recurring business requirements. Authorized end users shall be able to readily access and consume these reports without requiring technical or report-development expertise. Interactive capabilities shall include, where applicable, prompts, filters, sorting, drill-down, drill-through, navigation, and aggregation.

The proposed solution shall provide a centralized, governed, and scalable enterprise BI and semantic layer, making relevant subject areas, dimensions, measures, KPIs, hierarchies, business attributes, and analytical metrics available to authorized users within the BI tool and integration with the data governance tool. These analytical objects shall be centrally defined, reusable, and consistently available across canned reports, dashboards, ad-hoc reporting, and self-service analytics, thereby ensuring consistent business definitions and a Single Version of Truth (SVOT) across PRAL/FBR.

The platform shall support cross-functional and cross-subject-area analysis, enabling authorized users to analyze and correlate information across enterprise business domains through common/conformed dimensions, measures, and integrated enterprise data models.

The solution shall be designed for enterprise-scale performance, availability, and scalability, capable of supporting mass users and concurrent workloads while accommodating increasing data volumes and evolving analytical requirements. The architecture shall allow the addition and extension of data sources, subject areas, dimensions, measures, KPIs, reports, dashboards, analytical workloads, and users without requiring fundamental redesign of the platform.

The scope of this initiative includes the modernization, migration, enablement, and operationalization of the enterprise BI & Analytics ecosystem, including the migration and rationalization of existing reports, dashboards, analytical workloads, business rules, and associated semantic/data models to the proposed target platform.

Current Baseline

Currently, PRAL/FBR utilizes **Oracle Analytics Server (OAS)** to support enterprise-wide reporting requirements for mass users and field formations. The platform provides dashboards and detailed transactional reporting, including drill-down capabilities to the **lowest grain level of data**.

In parallel, PRAL/FBR has recently acquired **Tableau** as its strategic visualization and analytics platform for **senior management, headquarters, and executive-level reporting**

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Metric	Current State (Existing Environment)
Total Dashboards & Reports	35+ dashboards with drill-down capabilities to 1000+ reports *(estimated figures)*
Current BI Platform	Oracle Analytics Server (2022)
Visualization Platform	Tableau 2026.2
End Users	1500+ Users

Requirements and Specification of Enterprise Analytics/BI Tool

Requirement	Specification
Self-Service Analytics	The proposed platform shall Support governed self-service analytics capabilities enabling business users and field officers to create, modify, and consume reports and dashboards with minimal IT dependency.
Transaction-Level Reporting	The platform shall support transaction-level reporting with drill-down and drill-through capabilities up to taxpayer-level detail while maintaining optimal performance and low response times.
Interactive Canned Reports & Analysis	The platform shall support interactive Reports with filtering, slicing, prompts, cascading prompts, tooltips, custom calculations, pivoting, and cross-domain analytical capabilities.
Executive & Operational Dashboards	The platform shall support development of executive, strategic, operational, reports and dashboards with real-time and near real-time KPI monitoring capabilities.
Real-Time & Aggregated Reporting	The platform shall support near real-time, summarized, aggregated, historical, and yearly reporting across operational, analytical, and executive reporting use cases.
Pixel-Perfect Reporting	The platform shall support pixel-perfect printable reports in IRIS-like reporting formats with support for PDF generation and standardized layouts.
Export & Distribution	The platform shall support export of reports and datasets to Excel, PDF, and standard formats along with scheduling, subscriptions, bursting, and automated email-based distribution.
Security & Access Control	The platform shall enforce role-based and jurisdiction-based access control (RBAC), row-level security, and secure access management aligned with organizational and geographic responsibilities.
Mobile Analytics	The platform shall support secure mobile access to dashboards, reports, alerts, and KPIs with responsive design and role-based access controls for executives and field officers.
Query Performance & Optimization	The platform shall support low-latency analytical and transactional query performance with response times in seconds using cubes, in-memory caching, and query acceleration mechanisms.

Audit Logs & Monitoring	The platform shall maintain tamper-evident audit logs for report access, exports, administrative activities, and user interactions with comprehensive monitoring and observability capabilities.
High Availability & Reliability	The platform shall support high availability (HA), failover, workload balancing, and job monitoring to ensure uninterrupted analytics and reporting services.
Data Security & Governance	The platform shall operate in an environment with strong governance controls, encryption, auditability, and data leakage prevention mechanisms.
AI-Assisted Analytics	The platform shall provide AI-assisted analytics including natural language query, automated insight generation, anomaly highlighting, and narrative summarization of dashboards and reports. Integration with the broader AI/ML platform shall be supported as an added advantage.
Cross-Subject Area Analysis	The platform shall enable cross-subject area analysis within a unified reporting interface to support integrated analytics and Taxpayer 360° profiles that consolidate a taxpayer's complete lifecycle across Income Tax, Sales Tax, Federal Excise Duty, Customs Tax, etc. This includes registration, filing, payment, audit, and enforcement history that could generate actionable insights. Base locking and cross-domain analysis shall be supported.
Embedded Analytics	The platform shall support embedding of dashboards, visualizations, and KPI widgets into other FBR/PRAL applications such as Faceless Assessment Center interface via secure embed tokens or APIs, without requiring users to switch platforms
BI Governance	The platform shall provide content usage analytics including report utilization, user adoption, execution frequency, and dormant content identification to support rationalization of the reporting portfolio.
Oracle Analytics Migration Framework	The licensed platform shall natively provide, or be delivered with, migration utilities and connectors capable of importing Oracle Analytics metadata repositories, analyses, dashboards, agents, security roles, and report schedules. Execution of the migration itself is covered under the separately contracted Data Platform & Application Implementation Services engagement.
OAS Migration Scope	The licensed platform shall support comprehensive migration tooling for the existing Oracle Analytics Server (OAS) environment, covering dashboards and reports, the underlying metadata repositories (including the RPD/semantic model layer, subject areas, and metric definitions), security configurations and role-based access mappings, and report schedules and subscriptions. Execution of the migration, including discovery, mapping, conversion, validation, and sign-off for each object type, is covered under the separately contracted Data Platform & Application Implementation Services engagement.

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MIS and Ad-hoc Reporting	The proposed BI platform shall be licensed to cater to existing and future ad-hoc reporting requirements currently supported by the MIS and Ad-hoc Information Delivery (AID) teams, including standard MIS reports, recurring management reports, and one-off ad-hoc data requests. The platform shall enable governed self-service analytics capable of progressively reducing dependency on manual report development by MIS/AID teams, while retaining the ability for these teams to build, certify, and publish reports for broader consumption where self-service is not suitable. Migration of MIS and ad-hoc reporting workloads currently served through existing tools to the proposed platform, with no loss of functionality or reporting continuity, is covered under the separately contracted Data Platform & Application Implementation Services engagement.
Geospatial Analytics	The platform must support geospatial analytics including map-based visualization, geofencing, spatial joins, and GIS integration which should cover use cases such as POS terminal mapping, Track & Trace monitoring, and tax office jurisdictional analysis.
Large-Volume & Granular Data Analysis	The platform shall support large-volume, transaction-level and taxpayer-level data analysis through interactive tabular/grid views with filtering, sorting, drill-down and drill-through capabilities. Authorized users, including MIS and Ad-hoc reporting teams, shall be able to extract large-volume datasets in Excel, CSV, PDF, and other standard formats, The bidder shall specify applicable data, row, file-size, and export limitations.
Extensibility & Third-Party Libraries	The proposed BI platform shall provide an extensible framework supporting integration with third-party visualization libraries, JavaScript frameworks/libraries, Python libraries, APIs, SDKs, and custom analytical components, where required.

6. Sizing Estimation for Reference

IMPORTANT NOTICE: REFERENCE SIZING ESTIMATE

All hardware specifications, node counts, and storage capacities presented in this section constitute reference sizing estimates only. These estimates are derived from analysis of current on-premises data footprints and projected growth trajectories. The Vendor shall conduct a formal capacity planning exercise based on their certified technology stack and licensing architecture. The Vendor's validated sizing shall supersede all reference figures contained herein. The procuring authority shall not be bound by these reference estimates during contract negotiation.

This section presents reference hardware sizing estimates for all major platform components of the Central Data Hub. The estimates are derived from analysis of the existing on-premises data footprint, schema-level storage measurements, and projected data growth trajectories over a five-year horizon. The New-Technology components that are missing in the existing ecosystem are benchmarked based on Software tool Specification or Entry Grade Enterprise Production specification.

The section is organized into two primary groups. Group 1 covers the core analytical platform components, comprising the Massively Parallel Processing (MPP) Enterprise Warehouse, the ELT Processing Nodes, and the Object Store. Group 2 covers supporting infrastructure components, comprising Streaming and AI/ML Workloads, Data Governance, Security and Monitoring, and the In-Memory Cache Cluster.

6.1 Core Analytical Platform Components

This group encompasses the primary data processing and storage infrastructure. Sizing within this group is driven directly by measured on-premises database footprints and the storage requirements of the Medallion (Bronze / Silver / Gold) architecture to be implemented on the new platform.

6.1.1 MPP Enterprise Warehouse Sizing

Metric	Day 0 Baseline	Year 1	Year 2	Year 3	Year 4	Year 5
MPP Compressed Storage (TB)	144.0	172.8	198.7	218.6	240.5	264.5
Uncompressed Equivalent (3.5x, TB)	504.0	604.8	695.5	765.1	841.6	925.7

Note: The 3.5x industry-standard decompression multiplier is applied to derive uncompressed equivalents for capacity planning purposes. Actual compression ratios are dependent on the MPP vendor technology and shall be validated during the Vendor's formal sizing exercise.

6.1.2 Object Store Sizing

Metric	Day 0 Baseline	Year 1	Year 2	Year 3	Year 4	Year 5
Total Object Store Capacity (TB)	181.5	199.7	229.6	275.5	330.6	396.7

Note: These figures represent available provisioned capacity requirements. Erasure coding or replication overhead applicable to the selected object storage solution shall be factored into final capacity by the Vendor.

6.1.3 ELT Processing Node Sizing

Parameter	Environment	Nodes	CPU (Physical Cores)	RAM	Local Storage / NIC

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ELT Processing Node	Production	3	16 Cores/Node	256 GB/Node	1 TB NVME SSD / 25 GbE
ELT Processing Node	Development	1	16 Cores/Node	256 GB/Node	1 TB NVME SSD / 25 GbE
TOTAL NODES	**Prod + Dev**	**4**	-	-	-

Note: 16 physical cores per node is the reference specification. The Vendor shall adjust core count based on the core-based licensing model applicable to their ELT product.

6.2 Supporting Infrastructure Components

This group covers the infrastructure components that enable AI/ML workloads, real-time data processing, enterprise data governance, platform-wide security enforcement, and high-performance in-memory caching.

6.2.1 Streaming and AI/ML Workload Sizing

Production

Type	Role	Count (Prod)	Hardware Specification Per Node
A	Master / Controller Nodes (HA + Failover)	3	16 physical cores, 256 GB RAM, OS: 2x500 GB NVME SSD RAID1, Data: 8x1 TB NVME SSD, NIC: 10 GbE bonded 2x, Redundant Hot-Swap PDU
B	Worker Nodes (Data Processing Engines) - Compute and Spool Intensive	9	32 physical cores, 512 GB RAM, OS: 2x500 GB NVME SSD RAID1, Data: 12x2 TB NVME SSD, NIC: 25 GbE bonded 2x, Redundant Hot-Swap PDU
C	Streaming Platform Nodes (Event Brokers + Stream Processing)	3	32 physical cores, 512 GB RAM, OS: 2x500 GB NVME SSD RAID1, Data: 4x4 TB NVME SSD, NIC: 25 GbE bonded 2x, Redundant Hot-Swap PDU
D	Utilities and Gateway Nodes	3	16 physical cores, 256 GB RAM, OS: 2x500 GB NVME SSD RAID1, Data: 4x1 TB NVME SSD, NIC: 10 GbE bonded 2x, Redundant Hot-Swap PDU

Development and Test Environment Node Sizing

Type	Role	Count (Prod)	Hardware Specification Per Node
A	Master (No HA)	1	16 cores, 256 GB RAM, 2x500 GB RAID1 + 8x1 TB NVME SSD, 10 GbE
B	Utility + Worker Nodes	3	32 cores, 512 GB RAM, 2x500 GB RAID1 + 12x2 TB NVME SSD, 25 GbE

Five-Year Node and Storage Growth Projection (Production)

Metric	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
Total Production Nodes	18	20	22	24	27	30
Worker Node Count	9	11	13	15	18	21
Raw Data Storage - Worker Nodes (TB)	216	264	312	360	432	504

Post 3x Replication (Usable TB)	72	88	104	120	144	168

6.2.2 Data Governance Sizing

Production

Type	Role	Count (Prod)	Hardware Specification Per Node
A	Data Governance Platform and Search Node	1	8 physical cores, 128 GB RAM, OS: 2x500 GB NVME SSD RAID1, Data: 2x2 TB NVME SSD RAID1, NIC: 10 GbE bonded 2x, Redundant Hot-Swap PDU
B	Metadata Repository Node (Relational DB Backend)	1	8 physical cores, 128 GB RAM, OS: 2x500 GB NVME SSD RAID1, Data: 2x4 TB NVME SSD RAID1, NIC: 10 GbE bonded 2x, Redundant Hot-Swap PDU
C	Monitoring Node	1	4 physical cores, 64 GB RAM, OS: 2x500 GB NVME SSD RAID1, Data: 2x2 TB NVME SSD RAID1, NIC: 10 GbE bonded 2x, Redundant Hot-Swap PDU
D	Console and Web UI Node	1	4 physical cores, 64 GB RAM, OS: 2x500 GB NVME SSD RAID1, Data: 2x1 TB NVME SSD RAID1, NIC: 10 GbE bonded 2x, Redundant Hot-Swap PDU
E	Job Server / Lineage Processing Node	1	16 physical cores, 256 GB RAM, OS: 2x500 GB NVME SSD RAID1, Data: 2x2 TB NVME SSD RAID1, NIC: 10 GbE bonded 2x, Redundant Hot-Swap PDU

Development and Test Environment Node Sizing

Type	Role	Count (Prod)	Hardware Specification Per Node
E	All Services - Single Node	1	All services consolidated on a single node; no HA. Dev/Test footprint shall not expand over the 5-year period.

Five-Year Node Growth Projection (Production)

Metric	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
Total Production Nodes	5	5	6	6	7	7
Expansion Trigger		One Job Server Node added every second year (Year 2 and Year 4) to accommodate increased lineage and profiling workloads.				

Note: The sizing baseline for this component was established using an enterprise data governance platform reference. The actual node count, memory, and storage shall be validated by the Vendor against the specific governance product selected and its licensing topology.

6.2.3 Security and Monitoring Sizing

Production

Type	Role	Count	Hardware Specification Per Node
A	Directory Services, Kerberos KDC, Key Management Service, and Platform Monitoring - Deployed in Active-Passive HA Pair	2 (HA Pair)	16 physical cores, 256 GB RAM, OS: 2x500 GB NVME SSD RAID1, Data: 2x2 TB NVME SSD RAID1, NIC: 10 GbE bonded 2x, Redundant Hot-Swap PDU

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Development and Test Environment Node Sizing

Type	Role	Count	Hardware Specification Per Node
A	Directory Services, Kerberos KDC, Key Management Service, and Platform Monitoring - Deployed in Active-Passive HA Pair	1 Single Node	16 physical cores, 256 GB RAM, OS: 2x500 GB NVME SSD RAID1, Data: 2x2 TB NVME SSD RAID1, NIC: 10 GbE bonded 2x, Redundant Hot-Swap PDU

6.2.4 In-Memory Cache Cluster Sizing

Production

Type	Role	Count	Hardware Specification Per Node
A	In-Memory Cache - Clustered Deployment (3-Node Minimum for HA and Data Partitioning)	3 (Prod Initial)	8 physical cores, 128 GB RAM, OS: 2x500 GB NVME SSD RAID1, Data: 2x2 TB NVME SSD RAID1, NIC: 10 GbE bonded 2x, Redundant Hot-Swap PDU

Development and Test Environment Node Sizing

Type	Role	Count	Hardware Specification Per Node
A	Single Node - All Services	1	Standalone non-clustered node. Dev/Test footprint shall not expand over the 5-year period.

Five-Year Cache Node Growth Projection (Production)

Metric	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
Total Production Cache Nodes	3	3	4	4	5	5
Expansion Trigger		One Cache Node added every second year (Year 2 and Year 4) to accommodate increased session volumes, AI feature serving loads, and real-time tax lookup concurrency.				

Sizing Assumptions:

- No software licensing costs, database engine overhead, middleware footprint, or operating system overhead has been included in any of the sizing figures. These are hardware-only reference estimates.
- The sizing does not account for rack topology, Top-of-Rack network switches, Spine and Core network switches (uplink and downlink), rack cabling, DNS infrastructure, NTP, or out-of-band management networks for any component group. These elements are entirely dependent on the Vendor's solution architecture and shall be provided in the Vendor's detailed bill of materials in collaboration with the procuring authority's data center team.
- Data & Compute Growth (Approximate 10% yearly growth – estimate, vendor to validate).

7. Infrastructure Implementation & Commissioning

This section formalizes the Vendor's responsibility to physically install, configure, secure, and commission all infrastructure shown in the architecture diagram (Section 5.2 and Annexure), across both Production and Development/Test environments, up to the point where the environment is ready for data platform implementation to begin

7.1 Scope of Work

- Site preparation coordination: verification of rack space, power, cooling, and network cross-connect readiness in coordination with PRAL's facilities team.
- Physical installation (rack-and-stack) of all compute, storage, and networking hardware per the approved Bill of Materials and the sizing specifications defined in Section 6.
- Cabling, network configuration, and connectivity validation across all environments, including VLAN segmentation, firewall rules, and inter-environment isolation consistent with Section 09 (Environments).
- Operating system installation, hardening, and patching for all nodes, aligned to FBR/PRAL's security baseline requirements.
- Installation and base configuration of all licensed platform software components (Lakehouse/object storage engine, MPP Enterprise Data Warehouse, compute cluster runtime, in-memory cache cluster, and supporting infrastructure software) up to the point of readiness for the data platform Implementation Vendor to begin pipeline configuration.
- High-availability and redundancy configuration for all infrastructure components per the architecture diagram and Section 10 (HA, Backup & Disaster Recovery).
- Infrastructure-level backup and disaster recovery configuration (storage replication, backup agents, DR site connectivity) as a physical/platform-layer capability, distinct from the application-level DR procedures
- Infrastructure security hardening: network segmentation, encryption-at-rest configuration, access control at the OS/hypervisor level, and integration with FBR/PRAL's directory services.
- DR failover testing to validate that backup/replication/failover actually works as configured.
- Infrastructure-level performance testing (throughput, latency, IOPS) to confirm the environment meets sizing specifications in Section 6, prior to formal handoff.
- Walkthrough or training sessions for PRAL's internal team and/or the Data Platform Implementation Vendor on the deployed infrastructure.

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7.2 Infrastructure Acceptance

"Infrastructure Acceptance" is defined as a formal milestone, marking the point at which all infrastructure is installed, configured, secured, and validated as ready for data platform implementation to commence.

- Infrastructure Acceptance Testing shall include hardware burn-in tests, network throughput and latency validation, HA failover testing, and a security baseline scan.
- Testing shall be jointly witnessed by PRAL and, where applicable, the separately contracted data platform Implementation Vendor.
- Written sign-off from PRAL is mandatory before infrastructure is handed over for data platform implementation.

7.3 Deliverables

- As-built infrastructure **diagrams** and configuration documentation.
- **Network and security configuration documentation:** VLAN mapping, firewall rule sets, IP addressing scheme, and access control matrix.
- **Asset inventory register:** complete list of hardware/software assets including serial numbers, warranty start/end dates, and license keys.
- **HA/DR configuration and failover test report**: documentation of the high-availability setup and results of the DR failover test/drill.
- **Infrastructure Acceptance** Test Report for the entire solution.
- **Environment readiness certificate:** formal sign-off document confirming the infrastructure is ready for the Data Platform Implementation Vendor to begin pipeline configuration.
- **Infrastructure runbooks**, including power-on/power-off procedures, hardware maintenance procedures, and escalation contacts.

7.4 Implementation Timelines & Milestones

This timeline covers infrastructure readiness only, scoped exclusively to the hardware, software licensing, and infrastructure commissioning activities defined in this RFP. The total duration for this scope is 5 months (20 weeks) from contract signing to Infrastructure Acceptance. Data platform and application implementation timelines are defined separately under the Data Platform & Application Implementation Services engagement and commence only after Infrastructure Acceptance is achieved, consistent with Section 19 (Vendor Coordination & Interface Management).

Milestone	Timeline	Exit Criteria/ Deliverables
Contract Signing, Kickoff & Site Readiness Assessment	Week 1-2	Joint kickoff completed; site survey confirming rack space, power, cooling, and network cross-connect readiness.

Hardware Delivery & Software License Provisioning	Week 3-14	All hardware delivered to site per approved Bill of Materials; all software licenses provisioned and activated.
Physical Installation, Cabling & Network Configuration	Week 15	Rack-and-stack complete; VLAN segmentation, firewall rules, and inter-environment isolation configured and validated.
OS Installation, Hardening & Base Platform Software Installation	Week 16-17	All nodes hardened and patched; licensed platform software installed and base-configured across Production and Development/Test environments.
HA, DR & Security Configuration	Week 18-19	High-availability and redundancy configured per the architecture diagram; infrastructure-level backup, DR connectivity, and security hardening in place.
Infrastructure Acceptance Testing & Sign-Off	Week 20	Hardware burn-in, network throughput/latency validation, HA failover testing, and security baseline scan completed; written Infrastructure Acceptance sign-off issued by PRAL.

Milestone-linked payment percentages, where applicable, shall be tied to the exit criteria defined above. Any delay to Infrastructure Acceptance beyond the committed 5-month duration shall be assessed under Section 18 (Liquidated Damages)

8. Performance & Scalability

Purpose & Strategic Context

This section defines how infrastructure performance targets are set, how compute, storage, and network components are validated against these targets before go-live, and how the infrastructure is confirmed to meet the sizing, high-availability, and capacity requirements defined in Section 6 and Section 11, prior to handoff for data platform implementation.

Scope of Work

The Performance and Scalability workstream should address nine interdependent domains, each contributing to a platform that is fast, elastic, cost-efficient, and operationally transparent:

- **Compute Performance Benchmarking**: CPU/core performance validation (e.g., SPEC benchmarks or equivalent) confirming compute nodes meet the sizing specifications defined in Section 6.
- **Storage Throughput & IOPS Testing**: validating read/write throughput, latency, and IOPS of storage systems against vendor-specified and RFP-required performance thresholds.
- **Network Bandwidth & Latency Validation**: testing inter-node, inter-environment, and cross-connect network performance (throughput, latency, packet loss) against architecture requirements.

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- **Memory Performance Validation**: validating in-memory cache cluster and node-level memory throughput/latency meet specified performance targets.
- **HA Failover Performance Testing**: measuring failover time and performance impact during simulated node/component failure, confirming it meets RTO targets defined in Section 11.
- **Backup & Recovery Performance Testing**: validating backup completion times and recovery/restore times against defined RPO/RTO targets.
- **Resource Headroom Validation**: confirming available CPU, memory, storage, and network capacity headroom at go-live against projected infrastructure sizing (not workload/application sizing, which is the Data Platform Vendor's responsibility).
- **Infrastructure Stress Testing**: validating stability and performance of compute, storage, and network components under sustained peak load conditions, prior to formal handoff.
- **HTAP Performance:** HTAP performance report showcasing metrics and usage.

09. Environments

The vendor shall deliver a three-tier environment architecture comprising Development, Test, and Production, deployed across two physically segregated infrastructure footprints.

Environment Structure

- Production shall reside on a dedicated physical environment, fully isolated at the hardware, network, and storage levels from all non-production workloads. Under no circumstances shall Production share physical compute, storage, or network fabric with Development or Test.
- Development and Test shall be co-located on a single, capacity-reduced secondary physical environment, logically segregated from one another through independent namespaces, isolated execution contexts, dedicated service accounts, and logically segregated storage.
- The Development and Test environment shall not constitute a fully running replica of Production. It shall be deliberately scaled down in node count and per-node capacity to minimize total cost of ownership while preserving full functional coverage of every Production component. The vendor shall propose and justify all sizing and capacity reduction factors.

Production Environment

- Production shall be provisioned as a complete, fully operational, end-to-end instantiation of the target platform.

- All components including the ELT orchestration layer, compute cluster, MPP Enterprise Data Warehouse, object storage, and in-memory caching tier shall be deployed at full production capacity.
- All performance, concurrency, throughput, and high-availability SLAs specified in this RFP shall be met exclusively against the Production environment.

Security and Isolation

- Each tier shall be governed by formally enforced security boundaries preventing unauthorized lateral movement of data, credentials, configurations, or workloads.
- Development and Test shall have zero direct network reachability to Production data assets, compute resources, credential stores, or metadata repositories.
- RBAC policies, service accounts, secrets management, and audit logging shall be independently maintained per environment.
- All cross-environment activity shall traverse a controlled, auditable pipeline aligned with governance principles.

Environment Parity

- Development and Test shall remain structurally and functionally identical to Production with respect to component versions, patch levels, schema definitions, data models, pipeline logic, and configuration parameters at all times, notwithstanding their reduced capacity.
- The vendor shall provide tooling and documented procedures to detect, report, and remediate parity drift on a continuous basis.

Data Masking and Synthetic Data

- The vendor shall implement a data masking and synthetic data management capability enabling policy-governed promotion of representative datasets from Production into lower tiers.
- Static masking shall be applied at promotion time. Dynamic masking shall be applied at query execution time.
- Masking shall cover all PII and taxpayer-sensitive attributes per the platform's data classification taxonomy.
- Masked datasets shall preserve referential integrity, statistical distribution, and structural fidelity sufficient to support meaningful development, testing, and model validation.

10. HA, Backup & Disaster Recovery

High Availability

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All critical components including the ELT pipeline engine, compute clusters, MPP Enterprise Data Warehouse and in-memory caching cluster shall be deployed in an active-active or active-passive configuration appropriate to their workload profile.

No single point of failure shall be permitted at any tier including compute, storage, and network layers.

Automatic failover mechanisms shall be implemented across all layers with formally defined and contractually binding Recovery Time Objectives (RTO) and Recovery Point Objectives (RPO).

Health monitoring, heartbeat detection, and self-healing capabilities shall be implemented to minimize manual intervention during fault conditions.

Sr no.	Requirements
1	As per the business criticality of the platform system availability of 99.99% (4 minutes and 38 seconds unplanned outage) has to be ensured.
2	The system must be designed so that hardware and software failures are handled without the entire system going offline.
3	The back-up/archive/restore (BAR) hardware system shall be supported.
4	The system shall have proper migration strategy from TEST to PROD environments.
5	The system shall not have a “single point of failure” and shall provide complete fault-tolerance with full redundant hardware components.
6	The product must have built-in backup and recovery, and it must support important backup features like full, partial or incremental.
7	The product must support restore of a single table or group of tables from a database level or backup.
8	Vendor should also propose a cost-effective DR Solution; product should have a built in HA/DR solution at application level.
9	System shall possess automated recovery mechanisms with minimum downtime impact on end-users. Describe how faults or failures in each of your system components are handled, the DBA involvement and the downtime impact on the end-users.
10	Failure of any storage should not have an impact on the ongoing activity/query/loss of data. Please describe the procedure of maximum availability feature of your proposed solution.
11	System shall possess automatic failover capabilities i.e. System shall continue to run in the event of failure of a hardware processing unit. Describe also any impact

	on overall performance while the failed hardware processing unit is being replaced.

Backup

The platform shall incorporate a SAN-based backup framework protecting all ecosystem components without reliance on tape-based media.

The platform shall expose all necessary APIs, connectors, and integration hooks to enable application-aware backup operations across the ELT tool, compute cluster state, MPP Warehouse data and metadata, object storage buckets, and the in-memory cache layer.

Sr No.	Requirements
1	All backup data shall be encrypted at rest using AES-256 or equivalent, with encryption keys managed independently from backup media and stored in a dedicated, access-controlled key management facility.
2	Backup storage shall enforce write-once/read-many (WORM) immutability to prevent unauthorized modification or deletion of backup artifacts, including protection against ransomware-driven corruption.
3	The platform shall support full, incremental, and differential backup modes.
4	The platform shall enforce a tiered retention schedule, aligned with statutory tax record retention obligations.
5	The platform shall support granular restore operations at the level of individual tables, schemas, database objects, pipeline job definitions, and object storage prefixes, without requiring a full environment restore.
6	All backup and restore operations shall be executable without taking the production environment offline. Online, non-disruptive backup shall be a mandatory capability across all platform components.
7	Backup job execution, completion status, duration, data volume protected, and any failures shall be logged in a centralized, tamper-evident audit trail accessible to platform administrators.
8	The vendor shall define and document a formally tested, step-by-step restore runbook for each platform component. Restore procedures shall be validated during the implementation phase with results formally signed off by the platform owner.
9	Backup infrastructure capacity shall be sized to retain the full retention schedule defined above without requiring manual capacity intervention for a minimum of 5 years from the date of go-live.
10	Backup infrastructure shall be added in the BoQ.

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Disaster Recovery

The vendor to propose, supply, install, and commission a dedicated Disaster Recovery (DR) environment at a geographically separate location from the primary production site.

The DR environment shall be architecturally identical to production in terms of software stack, component versions, configuration baselines, and functional capability.

To optimize total cost of ownership, the DR environment needs to be provisioned at a reduced capacity footprint during normal operations, including:

Sr No.	Requirements
1	Reduced compute cluster node count.
2	Reduced MPP Warehouse appliance node count.
3	Proportionally scaled-down object storage capacity.
4	Smaller in-memory caching cluster sized to sustain critical workloads during a declared disaster event.
5	The DR environment will support rapid horizontal scaling to match full production-level performance if an extended failover scenario requires sustained full-scale operations.
6	Continuous, direct synchronization with production will be maintained through a documented replication mechanism covering MPP Warehouse data, object storage contents, ELT configurations and metadata, and job definitions, within contractually agreed RPO thresholds.
7	The vendor will provide automated, repeatable procedures for planned failover, unplanned failover, and failback operations at the infrastructure layer, and shall conduct full-scale infrastructure DR tests as part of the infrastructure implementation scope
8	The platform will achieve an RTO of no greater than 30 minutes and an RPO of no greater than 15 minutes for Tier-1 critical workloads. Secondary workloads shall observe an RTO of no greater than 4 hours and RPO of no greater than 1 hour.
9	The vendor will document and execute bi-annual DR failover drills post go-live, with results reported formally to the platform owner within 5 business days. Any RTO/RPO breach observed during testing shall trigger a formal remediation plan within 30 days.
10	The DR environment will be subject to automated configuration drift detection against the production baseline, with alerts generated for any deviation in software versions, configuration parameters, or schema definitions. Monthly drift reports shall be produced.
11	The replication channel between the primary production site and the DR environment will traverse a minimum of two independent network paths with automatic path failover. Replication link health will be continuously monitored with alerting triggered within 60 seconds of link degradation.

11. Data Security, Risk & Compliance

FBR has strict Data security and confidentiality policy which supplier is required to comply during all the phases of the project. User related data for development/testing purposes should not be copied on personal laptops/storage used by the project team.

Sr No.	Requirements
1	The system will support integration with AD/LDAP authentication
2	The system can provide single sign-on capabilities.
3	The system will have different levels of access for users including administrator, normal user and power users.
4	Protection from unauthorized user access needs to be ensured. Please describe how reports and data are protected from unauthorized users.
5	Users Groups (i.e. Roles Definition) segregation is required.
6	Passwords stored in an encrypted form.
7	Password can be reset by administrator.
8	Industry standard encryption methodology should be used on data, reports, and logins.
9	Security at different layers needs to be ensured. Please describe the following levels of security in the proposed solution: • User Layer Security • Transmission Layer Security • Application Layer Security • Data Layer Security
10	The system can support both row and column level security. Data in transit should be encrypted and also at rest.
12	The solution can support custom user groups and roles definition and configuration.
13	Integration with FBR's SIEM should be supported.

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12. Service Specification and QA requirements

Technical Support and Maintenance

The Vendor shall provide 24/7 support for all infrastructure components throughout the contract term. Qualified technical personnel shall be available for preventive and corrective maintenance, first-level diagnostics, and urgent issue resolution across all supplied hardware and infrastructure software components. Post-warranty support shall include hardware/software patches, security updates, and infrastructure-level performance tuning for the duration specified in the contract.

13. Software and Hardware Services and Warranty

Software and Infrastructure Warranty

The Vendor shall provide warranty coverage for all hardware and infrastructure software components, including operating systems, virtualization/platform software, and supporting infrastructure tools, delivered under this contract for a minimum period of five years from the date of Infrastructure Acceptance. During this period, the Vendor shall rectify, at no additional cost, any defects, bugs, performance issues, or non-conformities identified in the delivered infrastructure and its deliverables.

Hardware Warranty

All hardware components procured and commissioned under this contract, including compute nodes, storage appliances, networking equipment, and associated infrastructure, shall carry a minimum five-year warranty from the date of Infrastructure Acceptance. The Vendor shall ensure next-business-day on-site replacement for any failed hardware component. No single hardware failure shall result in platform downtime exceeding the RTO defined in Section 10 of this RFP.

Software Maintenance and Updates

Throughout the warranty period, the Vendor shall provide all software updates, security patches, and version upgrades for every licensed platform component at no additional cost. All updates shall be tested in the Development/Test environment before promotion to Production. The Vendor shall notify FBR/PRAL of all critical security patches within 24 hours of release and shall apply them within a mutually agreed maintenance window.

Support SLAs

The Vendor shall maintain the following minimum response and resolution commitments throughout the warranty period:

Severity	Description	Response Time	Resolution Time
Critical	Platform down or data loss risk	1 Hour	4 Hours
Major	Significant function impaired	4 Hours	24 Hours
Minor	Non-critical defect or degradation	1 Business Day	5 Business Days

Post-Warranty Support

The Vendor shall propose post-warranty support options in its commercial proposal, including available support tiers, SLAs, annual maintenance charges, and provisions for ongoing platform enhancements and technology refresh.

14. Payment Terms

The following are the payment terms for CDH:

- Responsibility to include all and correct taxes lies on the bidders.
- Price should be in Pak Rupees only.
- The quantity of items or services may be increased or decreased at PRAL's sole discretion based on operational requirements at the time of contract award.
- Bidders must submit bid for all items and services listed in the scope of work / BOQ. Partial bidding is not permitted.
- CAPEX (estimated 60% of total contract value) covers the procurement and supply of all hardware, software licenses, and physical infrastructure components as per the approved Bill of Materials.
- OPEX (estimated 40% of total contract value) covers Hardware/Software Warranty Support for the deployed infrastructure for five years following production go-live.
- Yearly OPEX payments shall be invoiced annually, at the end of each contract year, and are subject to the Vendor meeting the agreed Service Levels (SLAs/KPIs) for that year.
- Payment shall be made as per the milestone-based schedule defined below, tied to the deliverables and acceptance criteria for each phase. No separate CAPEX/OPEX split applies to this engagement

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CAPEX (Estimated 60% of the total contract value):

S.No.	Milestone	Deliverables	Payment %	Acceptance Criteria
1	Contract Signing, Kickoff & Site Readiness Assessment	Contract signing, project initiation, mobilization of resources, and commencement of project activities.	20%	Payable upon contract signing and project commencement.
2	System Configuration	All hardware delivered to site per approved Bill of Materials; all software licenses provisioned and activated. Rack-and-stack complete; VLAN segmentation, firewall rules, and inter-environment isolation configured and validated. All nodes hardened and patched; licensed platform software installed and base-configured across Production and Development/Test environments. High-availability and redundancy configured per the architecture diagram; infrastructure-level backup, DR connectivity, and security hardening in place	30%	Hardware delivered per BOM; rack-and-stack complete; network segmentation validated; nodes hardened/patched; HA/DR and security hardening configured per architecture diagram.
3	Sign-off & Acceptance	Hardware burn-in, network throughput/latency validation, HA failover testing, and security baseline scan completed; written Infrastructure Acceptance sign-off issued by PRAL.	50%	Infrastructure Acceptance sign-off issued by PRAL

OPEX (Estimated 40% of the total contract value):

S.No.	Milestone	Deliverables	Payment %	Acceptance Criteria
1	Hardware/ Software Warranty	Vendor shall provide hardware and software support, along with support for infrastructure	20% each year over five years	Subject to the vendor meeting

	Support and expansion	expansion, over a period of five years following production go-live.	following production go-live.	the agreed service levels (SLAs/KPIs)

15.Bill of Quantity Guidelines for Vendor

The Vendor shall submit a detailed Bill of Quantities (BOQ) outlining all costed elements required for the supply, implementation, and operation of the Central Data Hub. The BOQ shall be submitted as a structured document forming part of the commercial proposal.

Formatting Requirements

- The BOQ shall clearly separate one-time costs from recurring annual costs.
- All unit prices shall be quoted inclusive of all sub-components, associated cabling, mounting hardware, and ancillary parts required for full operational readiness. Bundled or package pricing shall be justified in a short technical note explaining what is included.
- All costs shall be quoted in PKR. Foreign currency components, where applicable, shall be identified separately with the applicable exchange rate basis and date stated.
- Each cost line item shall reference the corresponding technical requirement in Section 5 (Functional and Technical Requirements) or Section 6 (Sizing Estimation) that it fulfills, to allow direct traceability between the technical and commercial proposals.
- Quantities quoted shall match, at minimum, the reference sizing defined in Section 6; any deviation shall be explained in an accompanying technical note.

Mandatory Cost Categories

The Vendor shall provide unit-wise and cost-wise breakdowns covering at minimum the following categories:

1. **Hardware Supply:** A line-item breakdown per physical component: compute nodes, storage appliances (stating usable and raw capacity), networking equipment (switches, cabling, transceivers), rack infrastructure (racks, PDUs, cooling if in scope), and any spares or buffer stock. Each line item shall state specification reference, unit of measure, quantity, unit price, and total price.

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2. **Software Licenses:** A line-item breakdown per software product (ELT/ETL tool, Object Storage/Lakehouse engine, MPP Enterprise Data Warehouse engine, In-Memory Caching software, Data Governance & Catalog platform, Operating System per node, and any other licensed component required to operate the complete platform), stating license type (Perpetual, Annual, Core-Based, Capacity-Based, or User-Based), licensing metric, quantity, unit price, and total price. No software component required for full platform operation shall be omitted from this breakdown.
3. **Hardware Warranty and Support**: The annual cost per hardware component (matching the line items declared under Hardware Supply) for each of the five years of the warranty period, together with the applicable SLA tier (response time and resolution time) for each component.
4. **Software Maintenance and Support:** The annual maintenance cost per software component (matching the line items declared under Software Licenses) for each of the five years, inclusive of version upgrades, security patches, and SLA-based technical support, together with the applicable SLA tier for each component.

The Vendor shall also submit a Grand Total Summary Consolidating Categories 1–4 into the total evaluated bid value, with Category 5 shown separately as indicative pricing. Please see the financial proposal format for reference as mentioned in the section (20)

16. Mandatory Clauses for Vendor Eligibility

All requirements listed below are non-negotiable. Any proposal that does not fully comply with each clause shall be disqualified from evaluation.

#	Requirement	Mandatory Specification
1	**Full On-Premises Deployment**	No component, pipeline, data asset, or process may reside on or transit through any public cloud infrastructure or external network at any point. The complete CDH shall operate exclusively within the designated on-premises network perimeter. All software and operating system licenses shall be included in the vendor's proposal.
2	**Complete Software Stack for the Full Reference Architecture**	The Vendor must provide a software stack covering every component of the Reference Architecture in Section 5.2, including Data Ingestion, MPP, Object Storage, Governance, AI/ML Processing and BI. Each component must be named with its product, license model, and vendor support. Any proposal missing or leaving a component unaddressed shall be disqualified.
3	**Data Ingestion Tool Capabilities**	The Vendor's proposed data ingestion tool stack must natively support Change Data Capture (CDC), real-time streaming, and API-based ingestion as first-class capabilities. CDC must be log-based. Real-time streaming must support continuous, low-latency event

		processing. Any proposal that does not demonstrate all three capabilities natively within the proposed ingestion tool stack shall be disqualified.
4	**MPP Enterprise Data Warehouse**	The Vendor must propose an enterprise grade OEM Engineered machine that supports the deployment of Enterprise data warehouse capable of scale-out parallel processing, or an equivalent architecture, to support high-volume, high-concurrency analytical workloads with predictable performance, high availability, security, and operational manageability. Software only MPP engines on generic commodity hardware are not acceptable. Proposals not meeting this shall be disqualified
5	**Object Storage**	The Vendor must propose a purpose-built object storage system. Commodity hardware and software-defined storage solutions are not acceptable. The proposed object storage must be natively compatible with the proposed MPP platform, with direct, native integration and without reliance on third-party connectors or middleware. Proposals not meeting this shall be disqualified.
6	**BI Tool**	The Vendor must propose an enterprise grade BI tool with native connectivity to the proposed Object Store and MPP platform. The tool must support self-service reporting and dashboarding for business users, in addition to standard scheduled and operational reporting. Proposals not meeting this shall be disqualified.
7	**Annual turnover**	Minimum average annual turnover of **PKR 2.0 billion** over the last three (3) fiscal years, certified by a Chartered Accountant. In the case of a **Joint Venture (JV)**, this turnover may be met through the **combined average annual turnover of all JV partners**. Additionally, where applicable, the **turnover/financial standing of the OEM** (in support of the Bidder/JV through an OEM authorization or support letter) **may be combined with the Bidder's/JV's turnover** to meet the minimum eligibility threshold.
8	**Enterprise-scale Hardware/Software Readiness**	Minimum of two (2) completed enterprise-scale Hardware/Software Readiness or Infrastructure Deployment engagements (covering procurement, installation, configuration, and commissioning of hardware and/or software systems), each with a contract value of USD 1,000,000 or above (or PKR equivalent), operational/live in production for at least twelve (12) months.
9	**Continuous Operation**	Minimum of (3-4) years of continuous operation as a registered entity providing enterprise hardware/software procurement, integration, and support services, with demonstrated experience as an authorized reseller/partner of relevant OEMs.
10	**Data Governance Tool**	The Vendor must propose an enterprise grade data governance tool backed by vendor support with a defined SLA. Community supported or open-source tools without enterprise support are not acceptable. The tool must align with latest DAMA-DMBOK principles, covering Business Glossary, Data Quality, Data Classification, Data Ownership & Stewardship, Metadata management, Data Lineage, and Master data management. Proposals not meeting this shall be disqualified.

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11	**Native Multi-Model & HTAP Processing**	The proposed platform engine shall natively support both Online Transaction Processing (OLTP) and Online Analytical Processing (OLAP) within a single unified engine, combined with genuine Hybrid Transactional and Analytical Processing (HTAP), delivered natively by the platform engine itself rather than via federation of separate specialized systems. Proposals that do not demonstrate native Multi-Model / HTAP capability, evidenced by vendor-published global reference deployment data, shall be disqualified from evaluation.

17. Evaluation Criteria

The evaluation shall follow the Single Stage, Two Envelope Bidding procedure in accordance with Rule 36(b) of the Public Procurement Rules 2004. Technical and financial proposals shall be submitted simultaneously in separate sealed envelopes. The Technical Envelope shall be opened and evaluated first; the Financial Envelope shall remain sealed and shall be opened only for bidders securing a minimum of 70% of the total technical score. The contract will be awarded on a turnkey basis to the bidder with the highest Combined Evaluation Score as per the following criteria:

a. Technical Component (TC) = Total technical evaluation score
b. Financial Component (FC) = (Lowest Bid / Respective Bid) * 100
c. Combined Evaluation Score = (TC * 70%) + (FC * 30%)

Technical Evaluation (Total: 100 Marks, 70% Required to Pass)

A. Technical Solution (65 Marks)

Criteria	Description	Marks	Documents Required
Solution Cohesiveness & Enterprise Support	Vendor shall demonstrate an integrated, enterprise-supported infrastructure solution covering all required hardware and infrastructure software components (Section 6), using the minimum number of distinct products necessary to avoid unnecessary architectural complexity. Where multiple components serve overlapping functions, the Vendor shall justify why a single consolidated component was not used instead.	0-8	End-to-end infrastructure architecture diagram showing all proposed hardware/software components and integration points; enterprise support agreement or OEM partnership evidence for each proposed component.
Solution Architecture ELT/Data Integration	Data integration and ingestion covering source connectivity that covers schema enforcement, CDC methodology, and data quality	0-5	Network and connectivity architecture diagram, infrastructure design

	controls. Assessed on completeness of source-to-target mapping approach and robustness of the proposed ingestion methodology.		document, and source system connectivity matrix.
Solution Architecture MPP Enterprise Data Warehouse (Database Engine)	Enterprise Data Warehouse engine covering parallel query processing, workload management, and query optimization capability, in line with Section 5.7. Assessed on architectural soundness and alignment with sizing requirements in Section 6.	0-7	Design of the compute and storage infrastructure supporting the MPP Enterprise Data Warehouse, covering node sizing, cluster architecture, and storage performance characteristics, in line with Section 6
Solution Architecture Object Storage/ Lakehouse	Object storage and Lakehouse layer covering medallion architecture (bronze/silver/gold), open table format support, and native object storage connectivity from the MPP engine. Assessed on architectural completeness and open-format compliance, also covering capacity planning, redundancy, and performance characteristics, in line with Section 6.	0-5	Design of the storage infrastructure layer covering capacity planning, redundancy, performance characteristics, and connectivity architecture to support object storage workloads, in line with Section 6
Solution Architecture Compute Cluster/AI-ML Platform	Distributed compute cluster supporting AI/ML workloads and micro-batch/stream processing, covering compute-storage separation and workload isolation from the MPP engine. Assessed on scalability and workload isolation approach.	0-5	Compute cluster architecture diagram and AI/ML platform design.
BI Tools for Analytics	The Vendor shall specify the proposed BI/semantic layer tool and describe its integration with other platform components (e.g., MPP Enterprise Data Warehouse, Lakehouse, Data Governance and Catalog). Assessed on completeness of the proposed self-service and reporting architecture, and the robustness of tool selection and cross-tool integration	0-6	BI/semantic layer architecture diagram and tool selection justification.
Real-Time/ Streaming Data Ingestion	Compute layer (real-time streaming compute clusters) covering node architecture, workload isolation, and alignment with sizing requirements in Section 6.	0-5	Streaming compute architecture diagram, node/cluster sizing document, and evidence of infrastructure throughput/latency benchmarks for comparable deployments.

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HTAP/Multi-Model Processing Capability	The proposed Solution Architecture shall demonstrate native multi-model processing capability, supporting both Online Transaction Processing (OLTP) and Online Analytical Processing (OLAP) within a single unified engine, combined with genuine Hybrid Transactional and Analytical Processing (HTAP), rather than federation of separate specialized systems. Assessed on evidence of native (non-federated) HTAP capability and alignment with the mixed transactional/analytical profile	0-7	HTAP/multi-model architecture diagram, and vendor-published benchmark or reference deployment evidence demonstrating concurrent OLTP/OLAP processing without ETL-driven replication.
Data Governance and Security	Demonstrated approach to RBAC, field-level encryption, dynamic data masking, PII protection, audit logging, and latest DAMA-DMBOK alignment across all platform layers. Catalog layer covering metadata management, business glossary, data lineage, and catalog integration across all platform layers. Assessed on completeness of the proposed governance architecture	0-8	security controls note referencing encryption protocols, access control design
High Availability, Backup & Disaster Recovery	High-availability and redundancy mechanisms across compute, storage, and network components, combined with infrastructure-level backup and disaster recovery architecture, including storage replication, backup encryption, DR site connectivity, and RTO/RPO alignment, per Section 10 (HA, Backup & Disaster Recovery).	0-5	HA/redundancy design, DR architecture diagram, backup/replication design document, and RTO/RPO commitment note.
Vendor Presentation and Solution Walkthrough	Vendor shall present the proposed infrastructure solution covering architecture, installation and commissioning approach, and infrastructure readiness handover plan before the evaluation committee	0-4	Presentation delivered in person before the evaluation committee.

Note: For each criterion above, the Vendor shall provide documented justification covering suitability, scalability, licensing model, and vendor/community support maturity for the proposed tool/technology, consistent with FBR's on-premises.

B. Hardware Specifications and Delivery (15 Marks)

Criteria	Description	Marks	Documents Required
Hardware Specifications for Entire Solution	Proposed hardware shall meet or exceed all reference sizing specifications defined in Section 6, covering compute nodes, storage appliances, networking, and supporting infrastructure across Production and Development/Test environments. Assessed on specification compliance, redundancy design, and scalability provisions.	0-10	Detailed BOQ with per-component technical datasheets, sizing justification document, and five-year capacity expansion plan.
Delivery and Commissioning Commitment	Vendor shall provide a binding hardware delivery and commissioning schedule consistent with the timeline defined in Section 7.4 (Implementation Timelines and Milestones). Assessed on delivery lead time commitment, installation plan, and risk mitigation for procurement delays.	0-5	Signed hardware delivery schedule, OEM supply chain confirmation, and contingency plan for delivery risks.

C. Historical Experience (15 Marks)

Criteria	Description	Max Marks	Marking	Documents Required
Experience in Enterprise Hardware & Infrastructure Deployment	Demonstrated experience delivering large-scale, on-premises hardware and infrastructure (compute, storage, and networking) for enterprise analytics platforms, data warehouses, or equivalent large-scale analytical environments, over the past seven years. Minimum of two (2) referenced projects with a contract value of USD 1,000,000 or above (or PKR equivalent), each live	10	2.5 marks per project, minimum 2 projects	Signed contract or agreement, hardware delivery/commissioning certificate, or infrastructure completion report referencing scope and scale.

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	in production for a minimum of twelve (12) months.			
Experience in Enterprise Software Licensing & Infrastructure Commissioning	Demonstrated experience in supplying, licensing, and commissioning enterprise software and infrastructure components (e.g., analytical database/data warehouse platforms, object storage, compute clusters) across large-scale on-premises analytics environments, with evidence of infrastructure scale comparable to the CDH scope	65	1 mark per project, minimum 2 projects	Architecture/commissioning diagrams, license procurement documentation, or client attestations confirming infrastructure scale and commissioning scope.

D. Company Profile (05 Marks)

Criteria	Description	Max Marks	Marking	Documents Required
Local Presence	Vendor shall demonstrate sustained local presence in Pakistan with on-ground offices and technical staff across infrastructure, hardware support, and software licensing functions, sufficient to support infrastructure commissioning, warranty service, and post-acceptance operational support.	5	0-5 marks based on adequacy, relevance, and depth of local technical capacity.	HR certificate or affidavit confirming technical staff strength with domain-wise distribution. Lease agreement, utility bills, or incorporation certificate evidencing operating presence in Pakistan.

18. Liquidated Damages

1. **Scope of Penalty Application:**

   - The Vendor must deliver the agreed hardware, software, and infrastructure scope within the specified timeline as outlined in Section 7.4 (Implementation Timelines and Milestones).
   - Failure to implement the system within the agreed timeframe will result in the following penalties.

2. **Liquidated Damages:**

   - **Rate:** A penalty of 0.02% of the total project value per day of non-compliance.
   - **Maximum Deduction:** The cumulative penalty shall not exceed the value of the performance guarantee submitted by the Vendor.

3. **Escalation of non-compliance:**

   - If the delay or failure extends beyond 40 days, PRAL reserves the right to:
     - Invoke the performance guarantee to recover damages and initiate reallocation of the project to alternate suppliers.

4. **Grace Period and Exceptions:**

   - A grace period of 15 working days may be provided under exceptional circumstances upon prior written approval from PRAL.
   - No penalties shall be applied in cases where the delay is caused by factors beyond the Vendor's control, provided the Vendor notifies PRAL in writing within 48 hours of identifying the issue.

5. **Enforcement Mechanism:**

   - The penalty will be calculated and deducted from the Vendor’s subsequent payments.

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19. Vendor Coordination & Interface Management

This section defines the coordination, dependency management, and interface responsibilities associated with the Central Data Hub, which is being delivered through two separate engagements. This document constitutes the Data Platform & Application Implementation Services RFP.

- Infrastructure Acceptance (as defined in the Hardware, Software & Infrastructure Implementation RFP) is a formal prerequisite milestone before the Implementation Vendor's platform-build activities may commence on the corresponding environment.
- A joint site-readiness walkthrough shall be conducted between PRAL, the Infrastructure Vendor, and the Implementation Vendor prior to Infrastructure Acceptance sign-off.
- PRAL shall act as the single coordinating authority for schedule alignment between both Vendors; neither Vendor shall be entitled to claim relief for delay caused by the other party without PRAL's documented concurrence.
- Any Infrastructure Vendor-caused delay to Infrastructure Acceptance that demonstrably impacts the Implementation Vendor's committed timeline shall be assessed by PRAL and may result in a corresponding schedule adjustment for the Implementation Vendor, without prejudice to Liquidated Damages applicable to the Infrastructure Vendor under its own contract.
- Shared environment access, credential provisioning, and change control coordination between both Vendors shall follow a joint Change Management process, with PRAL as final approval authority for any change affecting both scopes.
- Both Vendors shall participate in a joint steering committee, or a joint standing item within each Vendor's own steering committee, to track cross-dependency risks and resolve interface issues.
- In the event both scopes are awarded to the same Vendor (single-vendor award), the provisions of this section shall be read as internal workstream coordination requirements rather than inter-Vendor contractual provisions.

17. Evaluation Criteria

The evaluation shall follow the Single Stage, Two Envelope Bidding procedure in accordance with Rule 36(b) of the Public Procurement Rules 2004. Technical and financial proposals shall be submitted simultaneously in separate sealed envelopes. The Technical Envelope shall be opened and evaluated first; the Financial Envelope shall remain sealed and shall be opened only for bidders securing a minimum of 70% of the total technical score. The contract will be awarded on a turnkey basis to the bidder with the highest Combined Evaluation Score as per the following criteria:

a. Technical Component (TC) = Total technical evaluation score
b. Financial Component (FC) = (Lowest Bid / Respective Bid) * 100
c. Combined Evaluation Score = (TC * 70%) + (FC * 30%)

Technical Evaluation (Total: 100 Marks, 70% Required to Pass)

A. Technical Solution (65 Marks)

Criteria	Description	Marks	Documents Required
Solution Cohesiveness & Enterprise Support	Vendor shall demonstrate an integrated, enterprise-supported infrastructure solution covering all required hardware and infrastructure software components (Section 6), using the minimum number of distinct products necessary to avoid unnecessary architectural complexity. Where multiple components serve overlapping functions, the Vendor shall justify why a single consolidated component was not used instead.	0-8	End-to-end infrastructure architecture diagram showing all proposed hardware/software components and integration points; enterprise support agreement or OEM partnership evidence for each proposed component.
Solution Architecture ELT/Data Integration	Data integration and ingestion covering source connectivity that covers schema enforcement, CDC methodology, and data quality controls. Assessed on completeness of source-to-target mapping approach and robustness of the proposed ingestion methodology.	0-5	Network and connectivity architecture diagram, infrastructure design document, and source system connectivity matrix.
Solution Architecture MPP Enterprise Data	Enterprise Data Warehouse engine covering parallel query processing, workload management, and query optimization capability, in line with	0-7	Design of the compute and storage infrastructure supporting the MPP Enterprise Data

Warehouse (Database Engine)	Section 5.7. Assessed on architectural soundness and alignment with sizing requirements in Section 6.		Warehouse, covering node sizing, cluster architecture, and storage performance characteristics, in line with Section 6
Solution Architecture Object Storage/ Lakehouse	Object storage and Lakehouse layer covering medallion architecture (bronze/silver/gold), open table format support, and native object storage connectivity from the MPP engine. Assessed on architectural completeness and open-format compliance, also covering capacity planning, redundancy, and performance characteristics, in line with Section 6.	0-5	Design of the storage infrastructure layer covering capacity planning, redundancy, performance characteristics, and connectivity architecture to support object storage workloads, in line with Section 6
Solution Architecture Compute Cluster/AI-ML Platform	Distributed compute cluster supporting AI/ML workloads and micro-batch/stream processing, covering compute-storage separation and workload isolation from the MPP engine. Assessed on scalability and workload isolation approach.	0-5	Compute cluster architecture diagram and AI/ML platform design.
BI Tools for Analytics	The Vendor shall specify the proposed BI/semantic layer tool and describe its integration with other platform components (e.g., MPP Enterprise Data Warehouse, Lakehouse, Data Governance and Catalog). Assessed on completeness of the proposed self-service and reporting architecture, and the robustness of tool selection and cross-tool integration	0-6	BI/semantic layer architecture diagram and tool selection justification.
Real-Time/ Streaming Data Ingestion	Compute layer (real-time streaming compute clusters) covering node architecture, workload isolation, and alignment with sizing requirements in Section 6.	0-5	Streaming compute architecture diagram, node/cluster sizing document, and evidence of infrastructure throughput/latency benchmarks for comparable deployments.
HTAP/Multi-Model	The proposed Solution Architecture shall demonstrate native multi-	0-7	HTAP/multi-model architecture diagram, and

Processing Capability	model processing capability, supporting both Online Transaction Processing (OLTP) and Online Analytical Processing (OLAP) within a single unified engine, combined with genuine Hybrid Transactional and Analytical Processing (HTAP), rather than federation of separate specialized systems. Assessed on evidence of native (non-federated) HTAP capability and alignment with the mixed transactional/analytical profile		vendor-published benchmark or reference deployment evidence demonstrating concurrent OLTP/OLAP processing without ETL-driven replication.
Data Governance and Security	Demonstrated approach to RBAC, field-level encryption, dynamic data masking, PII protection, audit logging, and latest DAMA-DMBOK alignment across all platform layers. Catalog layer covering metadata management, business glossary, data lineage, and catalog integration across all platform layers. Assessed on completeness of the proposed governance architecture	0-8	security controls note referencing encryption protocols, access control design
High Availability, Backup & Disaster Recovery	High-availability and redundancy mechanisms across compute, storage, and network components, combined with infrastructure-level backup and disaster recovery architecture, including storage replication, backup encryption, DR site connectivity, and RTO/RPO alignment, per Section 10 (HA, Backup & Disaster Recovery).	0-5	HA/redundancy design, DR architecture diagram, backup/replication design document, and RTO/RPO commitment note.
Vendor Presentation and Solution Walkthrough	Vendor shall present the proposed infrastructure solution covering architecture, installation and commissioning approach, and infrastructure readiness handover plan before the evaluation committee	0-4	Presentation delivered in person before the evaluation committee.

Note: For each criterion above, the Vendor shall provide documented justification covering suitability, scalability, licensing model, and vendor/community support maturity for the proposed tool/technology, consistent with FBR's on-premises.

B. Hardware Specifications and Delivery (15 Marks)

Criteria	Description	Marks	Documents Required
Hardware Specifications for Entire Solution	Proposed hardware shall meet or exceed all reference sizing specifications defined in Section 6, covering compute nodes, storage appliances, networking, and supporting infrastructure across Production and Development/Test environments. Assessed on specification compliance, redundancy design, and scalability provisions.	0-10	Detailed BOQ with per-component technical datasheets, sizing justification document, and five-year capacity expansion plan.
Delivery and Commissioning Commitment	Vendor shall provide a binding hardware delivery and commissioning schedule consistent with the timeline defined in Section 7.4 (Implementation Timelines and Milestones). Assessed on delivery lead time commitment, installation plan, and risk mitigation for procurement delays.	0-5	Signed hardware delivery schedule, OEM supply chain confirmation, and contingency plan for delivery risks.

C. Historical Experience (15 Marks)

Criteria	Description	Max Marks	Marking	Documents Required
Experience in Enterprise Hardware & Infrastructure Deployment	Demonstrated experience delivering large-scale, on-premises hardware and infrastructure (compute, storage, and networking) for enterprise analytics platforms, data warehouses, or equivalent large-scale analytical environments, over the past seven years. Minimum of two (2) referenced projects with a contract value of USD 1,000,000 or above (or PKR equivalent), each live in production for a	10	2.5 marks per project, minimum 2 projects	Signed contract or agreement, hardware delivery/commissioning certificate, or infrastructure completion report referencing scope and scale.

	minimum of twelve (12) months.			
Experience in Enterprise Software Licensing & Infrastructure Commissioning	Demonstrated experience in supplying, licensing, and commissioning enterprise software and infrastructure components (e.g., analytical database/data warehouse platforms, object storage, compute clusters) across large-scale on-premises analytics environments, with evidence of infrastructure scale comparable to the CDH scope	5	1 mark per project, minimum 2 projects	Architecture/commissioning diagrams, license procurement documentation, or client attestations confirming infrastructure scale and commissioning scope.

D. Company Profile (05 Marks)

Criteria	Description	Max Marks	Marking	Documents Required
Local Presence	Vendor shall demonstrate sustained local presence in Pakistan with on-ground offices and technical staff across infrastructure, hardware support, and software licensing functions, sufficient to support infrastructure commissioning, warranty service, and post-acceptance operational support.	5	0-5 marks based on adequacy, relevance, and depth of local technical capacity.	HR certificate or affidavit confirming technical staff strength with domain-wise distribution. Lease agreement, utility bills, or incorporation certificate evidencing operating presence in Pakistan.

Annexure A - Source System List

SR	Source System
1	IRIS (Income Tax, Sales Tax, Workflows, Etc)
2	E-Payment System
3	Customs (PSW-WEBOC)
4	Digital Invoicing
5	Point of Sales
6	Sales Tracking System
7	Litigation Management System
8	Excise Sindh
9	Excise Islamabad
10	Excise Balochistan
11	Excise Punjab
12	AGPR
13	Bank Data
14	Telecom Data
15	POS Balotting Data
16	Tax Management Audit System
17	Sales Tax Refund
18	FBR Maloomat
19	Balochistan Revenue Authority
20	KPK Revenue Authority
21	Punjab Revenue Authority
22	Sindh Revenue Board
23	Point of Sales AJK
24	IRIS AJK
25	Payment System AJK
26	Sales Tax Invoices Commercial
27	Production Tracking & Track and Trace
28	Digital Enforcement Station
29	Faceless Assessment
30	International Taxes
31	1-Link
32	SECP
33	Utilities
34	E-Bility System

Annexure B- **Subject Areas HL**

Sr#	Subject Area Name	Subject Area Description	Source System Info
1	**Core Tax Systems (IRIS 2.0 / IRIS 3.0)**	Primary source of tax data including revenue collection, declarations (Income Tax, Sales Tax, Federal Excise), returns, annexures, payments, refunds, audit, and enforcement data across tax domains.	IRIS 2.0 / IRIS 3.0, e-Filing, e-Payments, SWAPS, Audit & Enforcement Systems, Case Management Systems, WeBOC, RMS
2	**Point of Sale (POS)**	Provides real-time retail transaction data and monitoring of retailer connectivity status (connected, disconnected, under implementation), enabling detection of under-reporting and non-compliance.	POS Systems, IRIS
3	**Broadening of Tax Base (BTB)**	Captures lifecycle of taxpayer onboarding and compliance including temporary registration, notices, return filings, penalties, assessments, and field activity tracking.	IRIS, Third-Party Data
4	**Integrated Taxpayer Profile (IRIS + External Data)**	Consolidated taxpayer profile including income, assets, expenditures, withholding, audit records, and third-party data integration for compliance monitoring and analysis.	IRIS, Payments, WeBOC, Property Records, Utilities, Excise, Travel Data, TAMS
5	**Compliance & Case Monitoring (McKinsey / Compliance Data)**	Provides taxpayer compliance tracking, non-filer identification, case progress monitoring, and officer performance insights based on assigned cases and third-party data.	IRIS, Payments, Third-Party Data
6	**Litigation Management System (LMS)**	Tracks litigation cases across forums including case status, revenue exposure, duration, hearings, and legal proceedings.	LMS Transactional System
7	**Ad-hoc & Reporting Data**	Provides consolidated datasets for declarations, annexures, and revenue collections across IRS and Customs for reporting and analysis purposes.	IRIS, Payments, WeBOC
8	**Third-Party Data Sources**	External data sources including banking, utilities, telecom, NADRA, and other agencies used for cross-verification and compliance analysis.	Banking Systems, Financial Institutions, Utilities, Telecom, AGPR , NADRA
9	**Excise & Taxation Data**	Provides asset ownership information (vehicles, property, registrations) to support taxpayer profiling and detection of under-reporting and non-compliance.	Provincial Excise & Taxation Departments
10	**Projects**	Different Project Areas like DI , TCMS , Faceless , STRACK	

****non exhaustive list/For Reference only**

List of Dashboards

\	Subject Area	Title / Name of the dashboard	Functional area / initiative covered	Data source(s)	Frequency of update	User access / availability	Major Analytics	Estimated No. of reports

1	National	Collection	This dashboard shows Revenue Collection figures of IRS i.e. Income Tax, Sales Tax and Federal Excise and Customs Duty. Focuses mainly on Collection data, Declarations data (Income Tax Return, Sales Tax Returns & Annexures), Section-wise, Payment Type wise Income Tax and CPR wise Collection data.	Payments, IRIS, WeBOC	Real time	Chairman, Finance Minister, Member IT, Member (Customs Policy), Member (Customs), Member (Operations), Member (IR Operations), Member (IR Policy), Member (SPR&S), Member (Taxpayer Audit), SECCB, Chief IR, Chief IR-II, Chief IRO, DG (DR&S), SA to Chairman, SA to Member IR Operations, SA to Prime Minister, Secretary IRO and Secretary IR Budget.	Collection, Inland Revenue Collection, Collection Breakup, Tax Office Wise Collection, Daily Revenue Collection, Monthly and Annual Revenue Collection etc.	150
2	National	Collection Dashboard for CCIRs and Field Formations	This dashboard shows Revenue Collection figures of IRS i.e. Income Tax, Sales Tax and Federal Excise and Customs Duty. Focuses mainly on Collection data, Declarations data (Income Tax Return, Sales Tax Returns & Annexures), Tax Office wise Imports Collection, Section-wise Income Tax, Section-wise Income Tax (Previous Day), Direct Taxes Major Heads, Tax Head & Tax Office wise Collection data and Annex-C filed but Sales Tax Return not filed (7a,7b,7c).	Payments, IRIS, WeBOC	Real time	FBR Field Formation Officers use jurisdiction-based Collection Dashboard.	Collection, Section Wise Income Tax Collection, Payment Section Wise Income Tax Collection, CPR Wise Withholdee Collection, CPRs-Sales Tax, CPRs-Federal Excise etc.	100

3	POS	Point of Sale (POS)	It can help FBR officials to monitor the status of Retailer Branches. Although, there are number of Retailers registered with FBR but it will show the Connected / Disconnected / Under Implementation status of those Retailer Branches and their POS which are registered through Point of Sales Application. This dashboard will be helpful to monitor such branches which are working and operational but their transactions are not being received to FBR through Point of Sales Application.	POS Transactional System,IRIS	Data till yesterday	Chairman, Member IT, Member IRO, Member (Digital Initiatives), DG (I&I), Director POS, Deputy Director POS, DG (DNFBP), Chairman BIC, CM (IR Operations) , Chief IRA, SA to Prime Minister, SA to Chairman, Secretary IRA. FBR Field Formation Officers use jurisdiction-based Dashboard.	Retailers Info, POS Details, Comparison of Invoices, Comparison of Returns, Unverified Invoices, Day Wise Invoices, Monthly Integrated Invoices, Monthly Filing Status etc.	70
4	BTB	Broadening of Tax Base (BTB)	BTB Dashboard captures all the data from temp registration of new taxpayers till penalty and assessments. The process contains information like temp registration, 181 notices, registration, return notices and returns filed, penalty and assessments in detail reports. It also captures data send by FBR to field offices. Users can view entire field formations' data through it.	IRIS, Third party data	Data till yesterday	Chairman, SA to Prime Minister, Member IT, DG (BTB) and Chief BTB. FBR Field Formation Officers use jurisdiction-based Dashboard.	Registration, Target & Returns, Penalty, Assessments, Amendments etc.	50
5	IRIS	TAX-RAY	A tool for FBR Tax Officers to view and analyze all Tax records of taxpayers falling under their jurisdiction. The dashboard provides third party data as well as FBR's internal and external data against a particular CNIC / Registration Number. The available data consists of Taxpayers' detail	IRIS, Payments, WeBOC, all internal and external sources data i.e. Property, Utilities, Travelling, Excise and Taxation etc.	Data till yesterday	Chairman, Member IT, DG (I&I), DG (BTB), and SA to Prime Minister. FBR Field Formation Officers use jurisdiction-based Dashboard.	Tax-Ray Statistics, Taxpayer Profile & Details like Third Parties Data related to Assets, Expenditure, Declarations (IT Returns, Wealth Statements, IT Withholding Statements, Sales Tax Returns, Sales Tax Withholding Statements, Imports), Payments and Refund/ Rebate details etc.	65

			profile, assets, expenditures, withholding and return record etc.					
6	IRIS	Audit-MPR	This dashboard shows Section wise Opening Balance, Addition, Deletion, Demand Created and Demand Collected figures for Income Tax, Sales Tax & Federal Excise against a particular Fiscal Year, Month and Tax Office. It also provides Tax Office wise Audit Finalized & Pending cases, Demand Created and Collected for a particular Section & Tax Year. Users can view entire field formations' data through it.	IRIS, TAMS	Data till yesterday	Chairman, SA to Prime Minister, Member IT, Member (Taxpayer Audit), Chief Audit and Chief Audit-II. FBR Field Formation Officers use jurisdiction-based Dashboard.	Section Wise Audit-MPR, Tax Office Wise Audit-MPR (During the month) and Upto the month), Tax Year Wise, Tax Year & Section Wise, Audit-Stats etc.	12
7	IRIS	IRIS-WRIT (Withholding Real-Time Informtion Tracker)	This dashboard shows Task wise number of cases and their respective details. It focuses on major tasks like Income Tax Returns, Income Tax Refunds, Wealth Statements, Exemptions, and Withholding Statements. It also shows parametric list of IT Non-Filers and Withholding Non-Filers in a timely fashion. It also includes Withholding Real Time Information Tracker (WRIT) that shows information regarding Withholding Agents and their respective	IRIS, Payments	Data till yesterday	Chairman, Member IT, DG (Withholding Taxes), DG (I&I), Chief IRO, SA to Prime Minister, SO to Chairman, Secretary IRO and Second Secretary Withholding Taxes. FBR Field Formation Officers use jurisdiction-based Dashboard.	Tasks, Income Tax Return, Withholding Collection (Withholdee), IT Imports, National Collection, Summaries like Tax Office Wise Withholding Agents, Withholding Agents Stock, Section Wise Collection, Shortfall and Compliance etc.	150

			Withholdees. The detailed and printable reports of cases lying under an officer's jurisdiction have been made available to the particular officer. These reports can be downloaded in many formats like Excel, PDF etc.					
8	IRIS	System Monitoring	This dashboard provides graphical information about system usage tracking like CPU & Memory Utilization, Sessions and Bandwidth utilization on EXADATA-I and II against a particular date. It also shows current vs. previous fiscal years stats comparison w.r.t for the day, for the month and Up to date figures of Income Tax Returns and Admitted Tax. It also shows Income Tax Returns info w.r.t Tax Office, Person Type and Category wise total filers, filers but previous year non-filers, first time filers, non-filers but previous year filers. Similarly, Annex-C filed but Sales Tax Return not filed (7a,7b,7c) information is also provided here.	IRIS, System performance based	Real time	Chairman, Member IT, Member (IR Operations) , SA to Prime Minister and SA to Chairman.F BR Field Formation Officers use jurisdiction-based Dashboard.	System Usage Tracking (CPU Utilization, Sessions, Memory Usage, Bandwidth Utilization), Income Tax Returns and Admitted Tax comparative analytics etc.	30

9	National	Revenue Analysis Dashboard (RA)	This dashboard provides Revenue Collection and Declarations data in terms of Tax Type wise Collection, Section Wise Income Tax Collection, Head Wise Income Tax Collection, Commodity Wise Collection, MCC Wise Collection, Imports and Exports data, Sectoral Collection, Sales Tax Annexures data, Sectoral Declarations data, ICTO (Sales Tax) data, Income Tax & Sales Tax Returns data, Accounts Head wise Collection, FED on Natural Gas data, Well-Wise data, Domestic Sales Tax Collection from major Oil Sectors, Income Tax and Sales Tax Registered Persons data.	IRIS, Payments, WeBOC	Data till yesterday	**FBR Users:** Chairman, Member IT, DG (Revenue Analysis), Director (R&S), Secretary (Revenue Analysis), Chief (Revenue Analysis), SA to Prime Minister and SA to Chairman. **DR&S Users:** Deputy Director MIS (DR&S), Deputy Director (DR&S), Joint Director (DR&S).	Fiscal Year Wise Collection, Tax Type Wise Collection, Section Wise Income Tax Collection, Head Wise Income Tax Collection, Commodity Wise Collection, Imports & Exports, Sectoral Collection, Sales Tax Annexures, Accounts Head Wise Collection etc.	75
10	Mckinsey	Activity Monitoring	This dashboard highlights year-wise compliance of taxpayers for Tax Years 2019 to 2024 who have not yet filed their income tax returns at the time of analysis. It provides a comprehensive status update for each taxpayer, including their progress reports. It shows detail of activities performed by assigned officer. It shows third party data of assigned cases to field formations.	IRIS, Payments, Third party	Data till yesterday	hairman, Member IT, Member IRO,Chief IRO,	Board View, Tax Office View, RTO View Detail, Breakdown of Enforcement Activity - Individual RTO Level & Officer Level etc.	35
11	LMS	Litigation Management System (LMS)	This dashboard Department & Forum wise litigation cases status and their details. Provides Forum, Sub-Forum, Tax Type and Stage Wise cases count and its revenue. Provides duration wise cases count	LMS Transactional system	Data till yesterday	FBR Field Formation Officers use jurisdiction-based Dashboard.	Case Pendency Summary, Period Wise Number of Cases and Amount Involved & their detail analytics.	15

			and revenue against these cases and their details. It also shows Upcoming Hearings and Advocates cases summary.					
12	National	Sales Tax Refund	This dashboard provides Sales Tax Refund cases information from July-2015 to June-2024. Provides Total Claims and their amount, Closed Claims, Deferred and Sanctioned Amount, Pending Claims and Deferred Amount against various field formations. Also provides Sales Tax Deferred Refunds Info for fiscal year 2024-25.	IRIS, Payments	Data till yesterday	Chairman, Member IT, Member (IR Operations)	Tax Office Wise Sales Tax Refund for Previous Years, Sales Tax Dferred Refunds for FY 2024-25, Sales Tax Refunds for FY 2024-25.	20
13	ADHOC	Self-Services BI Adhoc Reporting Module	Provides Declarations, Collection, Customs data in Data Visualiser.	IRIS, Payments, WeBOC	Data till yesterday	FBR Field formation CCIRs, Focal Persons, DBAs,FBR Field Formation Officers use jurisdiction-based data access.	Inland Revenue Collection, Income Tax Return, Sales Tax Return, Sales Tax Returns Annexures, Registration, Income Tax Section Wise Collection etc.	60
14	TCMS - Third Party Compliance Management	monitoring dashboard	TCMS compares taxpayer returns with third-party data to identify non-registered individuals, non-filers, and discrepancies in declared tax information.	IRIS, 3rd Party Data - Banking Data , Excise , Payments	Data - 1	FBR Field formation		
15	Customer 360 Degree	Tax 360 Dashboard	Tax 360 dashboard depicts about declarations of customer with respect to income tax and sales tax. i.e number notices, return declaration, assets declration along with some other kPIs like revenus, total salary, total income	ODS workflow, detail workflow table, jurisdication, activity,process, dim_person etc		FBR Field officers RTOs LTOs		

****non exhaustive list/For Reference only**

List of End Users (Total Users: 900+)

Department	User Level Info	Access Type	
Government	SA to Prime Minister	All Pakistan	
	Finance Minister	All Pakistan	
	DG (I&I)	All Pakistan	
FBR Head Office	Chairman FBR	All Pakistan	
	Member IT	All Pakistan	
	Member IR Operations	All Pakistan	
	Member IR Policy	All Pakistan	
	Member SPRS	All Pakistan	
	Member DI	All Pakistan	
	Member Legal	All Pakistan	
	Member Custom Legal	All Pakistan	
	Member CRM	All Pakistan	
	Member Customs	All Pakistan	
	Member Customs Policy	All Pakistan	
	Member Taxpayer Audit	All Pakistan	
	DG IT	All Pakistan	
	DG ST	All Pakistan	
	DG DNFBP	All Pakistan	
	DG BTB	All Pakistan	
	DG RMS Customs	All Pakistan	
	DG IRSA	All Pakistan	
	DG RA	All Pakistan	
	SA to Chairman	All Pakistan	
	SO to Chairman	All Pakistan	
	SA to Member IR Operations	All Pakistan	
	Chief IR	All Pakistan	
	Chief IR Analysis	All Pakistan	
	Chief IR Operations	All Pakistan	
	Chief (Transformation Delivery Unit & Operations-III)	All Pakistan	
	Chief Operation (Analysis-II)	All Pakistan	
	Chief Custom Operations	All Pakistan	
	Chief Audit-I	All Pakistan	
	Chief Audit-II	All Pakistan	
	Chief IR Analysis-II	All Pakistan	
	Chief Revenue Analysis	All Pakistan	
	Chief Refunds	All Pakistan	
	Chief BTB	All Pakistan	
	Chief Customs Legal	All Pakistan	
	Chief CRM	All Pakistan	

	Director RS	All Pakistan	
	Director POS	All Pakistan	
	Deputy Director POS	All Pakistan	
	Deputy Director MIS (DRS)	All Pakistan	
	Deputy Director (R&S)	All Pakistan	
	Joint Director (DRS)	All Pakistan	
	Joint Director (MIS)	All Pakistan	
	Assistant Director (MIS)	All Pakistan	
	Additional Director (IRSA)	All Pakistan	
	Secretary IR Budget	All Pakistan	
	Secretary Customs Operations	All Pakistan	
	Secretary Customs Legal	All Pakistan	
	Secretary IR Analysis	All Pakistan	
	Secretary Revenue Analysis	All Pakistan	
	Secretary IR Operations	All Pakistan	
	Second Secretay IR Operations	All Pakistan	
	Second Secretay Retail	All Pakistan	
	Second Secretay IR-I	All Pakistan	
	Second Secretay IR-II	All Pakistan	
	Second Secretay IR-III	All Pakistan	
	Second Secretay IR-IV	All Pakistan	
	Second Secretary Withholding	All Pakistan	
	MIS Officer	All Pakistan	
	Inspector IR	All Pakistan	
	Assistant	All Pakistan	
	Domain Officer (PRAL)	All Pakistan	
Field Information	RTO	Jurisdiction based access of BI Dashboard(s).	
	LTO	Jurisdiction based access of BI Dashboard(s).	
	MTO	Jurisdiction based access of BI Dashboard(s).	
	Chief Commissioners	Jurisdiction based access of BI Dashboard(s). Entire RTO/LTO/MTO access.	
	Deputy Commissioners	Jurisdiction based access of BI Dashboard(s).	
	Assistant Commissioners	Jurisdiction based access of BI Dashboard(s).	
	Additional Commissioners	Jurisdiction based access of BI Dashboard(s).	
	Focal Persons	Jurisdiction based access of BI Dashboard(s). Entire RTO/LTO/MTO access.	
	Inspectors	Jurisdiction based access of BI Dashboard(s).	
	Database Administrators	Jurisdiction based access of Self-Service.	

****non exhaustive list/For Reference only**

SrNo	Question	Response
1	What is the average number of adhoc requests received per day / week / month?	The volume of ad hoc requests varies depending on key tax-related events, including the budget cycle, revenue shortfalls, and interactions with organizations such as the IMF and World Bank. On average, more than 600~ requests are received each month.
2	What are the peak periods for requests (e.g., month-end, budget cycle)?	Peak periods for ad hoc requests are generally observed at month-end and quarter-end due to reporting requirements, as well as during the budget cycle/IMF meetings when demand for analysis and information increases.
3	What is the average turnaround time (TAT) for a request?	One Hour Maximum (Depending on requirment)
4	Are requirements usually clear upfront or evolve during delivery?	In most cases, the requirements are clearly defined at the outset.
5	How would you classify requests & % Split • Simple (basic data pull) • Medium (joins, aggregations) • Complex (multi-source, business logic heavy)	20% 30% 50%

AID

AID Sample

Month	Adhoc Description	Tags
July	Data Required (4 Sectors Annex J Compliance)	Annex
July	Hs Code Items Rate Wise Sales From Annex C Jul-2025 To March-2026 Against Hs Codes 8541.4200 & 8541.4300	Annex
July	Steel Sector Month Wise Annex K Jul-2024 Onwards & ST Returns July-2018 To June-2021	Annex
July	Supplier Buyer Hs Code Rate & Buyer Type Wise Annex C July-2024 To March-2026 of Given HS Codes	Annex
July	DATA REQUIRED FOR PM DATA	Annex
July	Agricultural Machinery Hs Code Items Wise Summary ST Returns Annex C FY-2024-25 & FY-2025-26	Annex
July	Annex-A | Annex-C Stationary	Annex
July	Data required for PM , IT & Payments	Annex
July	Sector Wise Payment_and Annex-J_29062026	Annex
July	Spring Stores Private Limited Annex C Data From July-2021 To April-2025	Annex
July	Stationery Items Suppliers ST Returns Inputs & Output Columns FY-2024-25 & FY-2025-26	Annex
July	Steel Sugar Cement Edible Oil Sector Supplies To UnregisteredST Returns Annex C FY-2024-25 & FY-2025-26 (April)	Annex
July	Annex C summary	Annex
July	Annex J of Cement Sector	Annex
July	Annex-A,B,C& D	Annex
July	Annexure H Year 2025-2026	Annex
July	Annexure -J against Oil & Ghee Sector for the Duration July-2025 to June-2026	Annex
July	Annexure J JULY-2025 To JUN-2026	Annex

July	Data of chemical sector from july 2024 to jun 2025	Annex
July	DATA REQUIRED FOR PM DATA	Annex
July	DATA REQUIRED FOR PM DATA	Annex
July	DATA REQUIRED FOR PM MEETING	Annex
July	Provision of DATA of EFS Taxpayers	Annex
July	Provision of DATA of Steel Sector , Sale Tax	Annex
July	Request for Data of Packaged Tea Sector - 2026 Returns along with Annexure Summaries	Annex
July	S Track Cement Data Annexure C	Annex
July	FBR Collection TY 2022-23 TO 2025-26	Collection
July	IT ST FE CD Collection Tax Type Section & Source Nam Code Wise Jul-2025 To Apr-2025	Collection
July	Province Wise Collection FY-2024-25 & FY-2025-26 Jul-Apr GB PATA & AJK	Collection
July	Agent Wise IT Collection | Since 2008 To 2025	Collection
July	Automobile Sector IT ST FE CD NEV Levies Income Tax Withheld As Agent From FY-2024-25 & FY-2025-26 (Up to May)	Collection
July	Book Adjustment Income tax & Sales Tax Collection Jul-2025 to Jun - 2026	Collection
July	Collection_ST_IT_2026	Collection
July	COY_IRIS_ITRETURNS	Collection
July	Data Required for PM	Collection
July	Exporters ST Refunds & All Taxes FY-2024-25 & FY-2025-26 (May)	Collection
July	June 2026 collection - Overall and Day-wise SQL Script and Data	Collection
July	Monthly CTO Collections	Collection
July	Negative Trend Cases As on 22.06.2026	Collection
July	Tax Office & Month Wise IT & ST BOOKED ADJUSTMENT Collection TY Jul 2025 to Jun - 2026	Collection
July	147 Collection of List of shared Doctors	Collection
July	Complete TOBACCO PAYMENT UPTO JUNE	Collection
July	FBR Tax Type & Source Wise Collection & Refund FY-2025-26	Collection
July	Historical Collection Tracker Last 03 Years	Collection
July	Income Tax Arrears Stock Summary Report For IMF For June 2026	Collection
July	IT Returns & Net Collection	Collection
July	IT ST Collection Category Wise & Province Wise Summary - FY-2024-25	Collection
July	IT ST FE Collection Category Wise & Province Based On Address & Tax Office With IT Returns TY-2025 Turnover	Collection
July	Month Wise PDL Collection, Upto 29-June-2026	Collection
July	Net Collection	Collection
July	Net Collection of refineries	Collection
July	PDL Collection (Import + Domestic)	Collection
July	PDL Collection, Upto 30-June-2026	Collection
July	RE: Provision of Office-wise and Head-wise Collection Data and Adjustment Details	Collection
July	RE: Request for Provision of Commodity-wise and Field Formation-wise Sales Tax (Domestic) Data for FY 2021–22 to FY 2025–26	Collection
July	RE: SFTP Credentials and WinSCP Download Link	Collection
July	Reports for US-236G	Collection
July	Sales Tax Information_ Audit Experiment	Collection
July	Script Prepared for AGP Audit Income Tax Return - Data for AGP Audit	Collection
July	Sector Wise Collection Last 10 Years	Collection

July	Senator kamran Murtaza Question-Rate Wise & Income Tax On Indurtries-Sectors	Collection
July	Provision Of Data One Customs-KAPR HC-140508-27-06-2007	Customs
July	BEC--Import--Analysis	Customs
July	CKD Import Data Of 2-3 Wheelers Specified Hs Codes By EDB	Customs
July	Comparative Import Of Vehicles Under PCT Sub Heads (87.02 , 87.03 & 87.04) During Jul to Apr (2024-25 Vs 2025-26)	Customs
July	Customs Tariff for CD-ACD-RD	Customs
July	Export & Import Summary Under NTN No (0710672) During Jul-2023 to Apr-2026	Customs
July	Export Data of Specific GDs	Customs
July	Export Detail Of Given GD's of Export Facilitation Scheme	Customs
July	Export Summary Under Given NTN No During Jul-2021 to Apr-2026	Customs
July	Export To Saudi Arabia During 01-Jul-2024 to 19-May-2026	Customs
July	Fiscal Year Wise Import Summary Of LNG (2711.1100) During Jul-2022 to Apr-2026	Customs
July	Header Level Import Data Under Given GD No's	Customs
July	Import & Export Detail Under NTN No (4195986' 7999386' A280864) During Jul-2020 to 06-May-2026	Customs
July	Import & Export Of NTN No (0305456) During FY (2024-25)	Customs
July	Import & Exports Of (Lucky Core Industries Ltd) During Jul-2023 to Apr-2026	Customs
July	Import Data for PAPAM	Customs
July	Import Data Of Description like (Isabion & Quantis) During Jul-2023 to April-2026	Customs
July	Import Data of FTN-9075700 (British Council)	Customs
July	Import Detail & Summary Under SRO 8th Schedule SR No 90 During Jul-2025 to Apr-2026	Customs
July	Import Detail Against GD No (KWWB-HC-2384-08-08-2017)	Customs
July	Import Detail Of (Egypt) Under PCT (2710.1931) During Period 01-April-2026 to 06-May-2026	Customs
July	Import Detail Of (DAP Under PCT 3105.3000) During 01-Jul-2025 to 11-May-2026	Customs
July	Import Detail Of GD No (KWWB-HC-971-26-05-2017)	Customs
July	Import Detail of Given Chassis No	Customs
July	Import Detail Of Given PCTs During (01-May-to 17-May) 2024-25 vs 2025-26	Customs
July	Import Detail Of SRO 8th Sr No 89 Schedule During Jul-2025 to Apr-2026	Customs
July	Import Detail Under (Baskin Robbins) During Jul-2024 to Apr-2026	Customs
July	Import Detail Under Given PCTs ('8507.6000 & 8507.8000') During Jul-2023 to Apr-2026	Customs
July	Import Detail Under Given PCTs 1511.1000 '1511.9020' 1511.9030) During Jul-2021 to Apr-2026	Customs
July	Import Detail Under Given PCTs During Jul-2025 to Apr-2026	Customs
July	Import Detail Under NTN No (7409330) During Jul-2024 to Jun-2025	Customs
July	Import Detail Under PCT (9404.1000) During Jul-2024 to Apr-2026	Customs
July	Import Detail Under PCT 87.02 During Jul-2023 to Apr-2026	Customs
July	Import Detail Under PCTs (1511.9020','1511.9030','1511.1000) During Period (01-May to 15-May) 2026	Customs
July	Import Detail Under PCTs ('8507.6000 & 8507.8000') During Jul-2023 to Apr-2026	Customs
July	Import Detail Under SRO (Schedule(Customs Duty)- Part V(A) During Jul-2022 to Apr-2026	Customs
July	Import Detail Under SRO 5th Part V(A) During Period 01-Jul-2024 to 15-May-2026	Customs
July	Import Detail Under SRO 8th Schedule Sr 89,90 During April-2026	Customs
July	Import Detial & Summary Under SRO 678-2004 During Jul-2025 to Apr-2026	Customs
July	Import From Saudi Arabia During 01-Jul-2024 to 19-May-2026	Customs
July	Import of Aero Planes Imported by M/s Serene Air During Last 15 Years	Customs
July	Import of Baskin Robbins	Customs

July	Import of Hybrid Vehicles	Customs
July	Import of LNG	Customs
July	Import of LPG-2711.1910 During (01-Jul-2025 to 14-May-2026	Customs
July	Import of LPG-2711.1910 During (01-May to 03-May)2026	Customs
July	Import of LPG-2711.1910 During (01-May to 04-May)2026	Customs
July	Import of Plant & Machinery	Customs
July	Import of Solar Panels	Customs
July	Import of White Spirit	Customs
July	Import Summary Of EFS & 5th Schedule During Jul-2025 to Apr-2026	Customs
July	Import Summary Of PCT Chapter 87 During Jul-2022 to Apr-2026	Customs
July	Import Summary Of PCT Sub Head ('8702','8703','8704','8711') During Jul-2022 to Apr-2026	Customs
July	Import Summary Of PCT-Chapter 39 During Jul-2023 to Apr-2026	Customs
July	Import Summary Of PCT-Sub Head ('7204','7207','7224') During Jul-2025 to Mar-2026	Customs
July	Import Summary Of SRO (5th Schedule (Customs Duty) - Part V(A) During Jul-2022 to Apr-2026	Customs
July	Import Summary Of SRO 5th Schedule & SRO 656-2006 Under PCTs (8507.8000 & 8507.6000) During Jul-2023 to Apr-2026	Customs
July	Import Summary PCT-Chapter 87 Under SRO 655-2006 & 656-2006 During Jul-2023 to Apr-2026	Customs
July	Import Summary SRO 5th Schedule Customs Duty Part V(A) During Jul-2021 to Apr-2026	Customs
July	Import Summary Under PCTs (1511.1000 ' 1511.9020 ' 1511.9030) During Period 01-Jul-2021 to 30-Apr-2026	Customs
July	Import Summary Under SRO 678-2004 During Jul-2025 to Apr-2026	Customs
July	Import Under 5th Schedule Custom Duty Part V(A)	Customs
July	Importer Wise Import Summary Of PCT-Chapter (72) During Jul-2024 to Jun-2025	Customs
July	Import-Export Summary of PCTs (2710.1240-1250-1911-1921-1942) During (Jul-2024 to Apr-2026)	Customs
July	Month & Collectorate Wise Import Summary During Jan-2025 to Jun-2025	Customs
July	Month & Collectorate Wise Import Summary During Jul-2025 to April-2026	Customs
July	Month Wise Import of POL Products	Customs
July	Month Wise Import of Solar Panel and FATA/PATA Under 8th Schedule	Customs
July	Month Wise Summary Of LNG Under PCT (2711.1100) During Jul-2022 to Apr-2026	Customs
July	Old Data Vehicle Verification	Customs
July	Request Data by NTN	Customs
July	Request for Duty Rates	Customs
July	Sales Tax Collected on Import of Tea	Customs
July	Toyota Rush Imported by Indus Motors in 2021-22	Customs
July	Uzbekistan Expansion Draft SRO	Customs
July	Export Data Required for PCT 0804.5020	Customs
July	Provision of data	Customs
July	stationwise summary of EDS and AIt collected on the export of goods in pakistani currency from Pakistan to Afghanistan via our border stations	Customs
July	4 GDs	Customs
July	5th Schedule Custom Duty	Customs
July	Active EFS Users	Customs
July	All Pakistan Customs Refund Payments - 1st to 28th Jun 2026	Customs
July	Anti -Dumping Duties Head of Account	Customs
July	AT TP ST EPZ INFO - CONTAINERS, BONDED CARRIER, TRACKER COMPANY, VEHICLES, GATEIN & OUT DATES - JAN TO MAR 2026	Customs

July	Auto Rebate Pending Claim's	Customs
July	Average Dwell Time Calculation of Gilgit Baltistan GDs	Customs
July	BEC Based Import Analysis and Budgetary Measures, Upto May-2026	Customs
July	Betel Nut, Fabric, Tyre and Cosmatics	Customs
July	CHAPTER 64 TO 71 - IMPORT DETAILS	Customs
July	CHAPTER 90 TO 99 - IMPORT DETAILS	Customs
July	Chemicals Importers	Customs
July	Comparative Import Summary Of All PCTs During (Jul to May) 2024-25 vs 2025-26	Customs
July	Comparative Import Summary Of All PCTs For the month Of May(2025 vs 2026)	Customs
July	Complaint Against Wrong PSID	Customs
July	Count of GDs on Import/Export	Customs
July	Current Tariff Line With Rates	Customs
July	Custom Rebate Data Support	Customs
July	Custom Report Discrepancy Details Required	Customs
July	Customs Month-End Reports, Upto May-2026	Customs
July	Customs Month-End Reports, Upto May-2026	Customs
July	Data for Industry & Production	Customs
July	Data of Exports Routed Through Collectorate of Customs Exports, Custom House, Karachi.	Customs
July	Data required for quantity of tobacco being exported	Customs
July	Data Required from July-2018 to May-2026	Customs
July	Data Required from July-2018 to May-2026	Customs
July	Day wise CD Collection, (01 to 18)June	Customs
July	Day Wise Import of LPG-2711.1910 During (01-May to 31-May)2026	Customs
July	DDB Amount mismatch at fbr Research Department for the Month of May 2026	Customs
July	Detail of export given NTN	Customs
July	Detail Of Given GD's (KAPE-EB-103199-02-01-2023 & KAPE-EB-106050-06-01-2023)	Customs
July	E_Custom Data Required	Customs
July	EB GD Find out against IB	Customs
July	Effective Rate of ACD more than 6%	Customs
July	Exemption and Faceless GD's	Customs
July	Expeditious Clearance of Perishable Goods	Customs
July	Expeditious Clearance of Perishable Goods During 22 to 28 June - 2026	Customs
July	Expeditious Clearance of Perishable Goods June 15 to 21 - 2026	Customs
July	Export Data on NTN	Customs
July	Export Detail with Container No	Customs
July	Export of Chromium Ores and Precious Metals	Customs
July	export of meat data	Customs
July	Export of Mobile Phones	Customs
July	Export of Tobacco for FY(2025-26)	Customs
July	Export Regarding Container Number	Customs
July	Export Summary Of ALL PCTs During (01-Jul to 31-May) 2024-25 & 2025-26	Customs
July	Export Summary Of ALL PCTs During (01-May to 31-May) 2024-25 & 2025-26	Customs
July	Exporter Wise Data required for quantity of tobacco being exported	Customs

July	Exporters All Income & Columns For 4C Calculation for TY-2025 With Tax Deducted As Withholdy Jul-2025 Todate	Customs
July	Fuel Importers	Customs
July	Fw: 3 Year Export Detail	Customs
July	GD Counts of Imports & Exports Stage During Jul-2025 to May-2026	Customs
July	GDS with FI mismatch	Customs
July	HS Code 1209.9900	Customs
July	HS CODE 4011.2011, 4011.2019 4011.2091 & 4011.2099 - IMPORT DETAILS - 1.1.26 TILL 28.6.26	Customs
July	HS CODE 8483.6099 - IMPORT DETAILS - LAST 1 YEAR	Customs
July	IB GD Found Against Given EB GDs	Customs
July	IMPORT / EXPORT DATA OF EFS USER	Customs
July	Import / Export Value	Customs
July	Import analysis of All pct during July2021 to Jun 2025	Customs
July	Import Analysis Of All PCTs During Jul-2021 to Jun-2025	Customs
July	Import analysis of all PCTS imported during last FY (2024-25) and this FY (2025-26 till date) for Karachi Airports	Customs
July	Import analysis of all PCTS imported during last FY (2024-25) and this FY (2025-26 till date) for Karachi Airports	Customs
July	Import and export	Customs
July	Import Data of Agri Machinery	Customs
July	Import Data of attached PCTs requires for FY-2024-25	Customs
July	Import Data of attached PCTs requires for FY-2024-25	Customs
July	Import Data of CBU/CKD, requested by EDB	Customs
July	import data of following PCTs for the period 01.07.2025 to 29.06.2026	Customs
July	Import Data of Given Agri Machinery List of PCTs	Customs
July	Import Data of M/s Master Pipe Industries (Jan-2021 to Dec-2023)	Customs
July	Import Data of Specific Items	Customs
July	Import Data of SRO 6th Schedule, Serial 48	Customs
July	Import Data of SRO655(I)/2006	Customs
July	Import Data of Stationary Items and Specific Importers	Customs
July	Import Data of Wild Fauna and Flora	Customs
July	Import Data on NTN	Customs
July	Import Data on PCTs, South & North Regions	Customs
July	Import Data on PCTs, South & North Regions - 9101, 9102	Customs
July	Import Data Under SRO1151(I)/2025 of Srl-1(i)b and 1(iv)b	Customs
July	Import Data Where Value Addition Sales Tax is Null	Customs
July	Import Detail against Bill Of lading No (HASLC56260200519)	Customs
July	Import Detail Of 5th Schedule Part 5A Table II	Customs
July	Import Detail Of Cell Phones Under PCTs ('8517.1310','8517.1390','8517.1411','8517.1419') During (Jul to May) 2024-25 & 2025-26	Customs
July	Import Detail of Fertilizers and Liquor	Customs
July	Import Detail Of Given GD's	Customs
July	Import Detail Of NTN No (2154754) During 01-Jan-2021 to 31-Dec-2023	Customs
July	Import Detail Of SRO 655-2006 During Jul-2025 to May-2026	Customs
July	Import Detail Of SRO 655-2006 During Period 01-Jul-2024 to 30-Jun-2025	Customs
July	Import Detail Of SRO 656-2006 During Jul-2024 to Jun-2025	Customs
July	Import Detail Of SRO 656-2006 During Period 01-Jul-2024 to 30-Jun-2025	Customs

July	Import Detail Of Vehicle Under Given 113 PCTs During Period 01-Jul-2024 to 31-May-2025	Customs
July	Import Detail Of Vehicle Under Given 113 PCTs During Period 01-Jul-2025 to 31-May-2026	Customs
July	Import Detail Under PCTs (4016.9990 & 8309.9090) During 01-Jul-2023 to 28-Jun-2026	Customs
July	Import Detail Under SRO (99.23) During Jul-2024 to May-2026	Customs
July	IMPORT DETAILS HS CODE 2201.1010, 2201.1020, 2201.9000 (Mineral Water)., during the period from 01.07.2023 to 19.06.2026	Customs
July	IMPORT DETAILS HS CODE 5603.1100, 5603.1200, 5603.1300, 5603.1400, 5603.9200, 5603.9300, 5603.9400, 5903.1000, 5903.2000 and 5903.9000 for the period 01.01.2026 to 19.06.2026	Customs
July	import export data	Customs
July	Import Export Value	Customs
July	Import Export Value 22 June	Customs
July	Import Export Value 28 June	Customs
July	Import Figures During (July-2021 to May-2026)	Customs
July	Import from Vietnam and Other Countries	Customs
July	Import of Acetate Tow-5502.1000	Customs
July	Import of Agricultural Machinery	Customs
July	Import of Agriculture Tractors	Customs
July	Import of Agriculture Tractors (CBU/CKD)	Customs
July	Import of Agriculture Tractors and Machinery	Customs
July	Import of LGP (2711.1910) Cleared Through WeBOC During May-2026	Customs
July	Import of LPG----14-June-2026	Customs
July	Import of LPG-2711.1910 During (01-Jun to 14-Jun) 2026	Customs
July	Import of LPG-2711.1910 During (01-Jun to 16-Jun) 2026	Customs
July	Import of LPG-2711.1910 During (01-Jun to 17-Jun) 2026	Customs
July	Import of LPG-2711.1910 During (01-Jun to 18-Jun) 2026	Customs
July	Import of LPG-2711.1910 During (01-Jun to 21-Jun) 2026	Customs
July	Import of LPG-2711.1910 During (01-Jun to 22-Jun) 2026	Customs
July	Import of LPG-2711.1910 During (01-Jun to 23-Jun) 2026	Customs
July	Import of LPG-2711.1910 During (01-Jun to 28-Jun) 2026	Customs
July	Import of LPG-2711.1910 During (01-Jun to 29-Jun) 2026	Customs
July	Import of Petrol , Diesel and Furnace Oil	Customs
July	Import of Rubber Stoppers (4016.9990) and Flip Off Seals (8309.9090)	Customs
July	Import of Solar Panels	Customs
July	Import of Specific POL Products and Vehicles above 1800cc	Customs
July	Import of SRO656(I)/2006	Customs
July	Import of Tea Under FATA/PATA	Customs
July	Import of Tea, Under PCTs (09.02)	Customs
July	Import Summary Of PCTs (29.03 & 38.00) During Jul-2024 to May-2026	Customs
July	Import Summary Of Tea (09.02) Under PATA, FATA During Jul-2025 to May-2026	Customs
July	Import Summary Under Given PCT-Sub Head (8701,8702,8703,8704,8711) During Jul-2021 to May-2026	Customs
July	Import Under SRO655(I)/2006	Customs
July	Import Under SRO656(I)/2006	Customs
July	Import/Export of Fertilizers and Liquor (MoI&P)	Customs
July	Import/Export of Tiles	Customs

July	Import/Export Value, Upto 31-May-2026	Customs
July	Import/Export Value, Upto 31-May-2026	Customs
July	Importer Wise Summary of PCTs-2809.2010 Phosphoric Acid	Customs
July	Importer Wise Summary of Solar Panels	Customs
July	Inquiry Regarding GDs Not Reflecting on the IRIS Portal	Customs
July	INTERPORT MOVEMENT INFO WITH GATEOUT INFO - JAN - MAR 2026	Customs
July	List of Exporters, whose Export Value is >=500M-PKR	Customs
July	List of Stationary Items	Customs
July	List of Top-100 Exporters	Customs
July	Master Pipe Industries (KPPI-IB)	Customs
July	Member Benami Transactions Adjudicating Authority Islamabad	Customs
July	Mobile Phones Imported (CBU & CKD/SKD)	Customs
July	Month Wise Import Value Analysis (01-Jul to 28-May)	Customs
July	Month Wise Import/Export Value and CD Collected, Upto 31-May-2026	Customs
July	Month Wise POL Products, Upto 31-May-2026	Customs
July	Non-Realization of Income Tax On Export Gds / Non-Realization of Export Development Surcharge on Export GdsMcc Export PMBQ For the Year 2014-15	Customs
July	NTN wise balance amount in PD account accociated with PCUS	Customs
July	PCT Codes	Customs
July	PDL Payment (Import & Domestic) Upto May-2026	Customs
July	Pending DLTL	Customs
July	Pl provide the data in the folowing data without bulk cargo for th eperiod calendar year for 2026, 2025, 2024, 2023,2022 fove years summary only .	Customs
July	Please Provide Data Complete GD Details	Customs
July	please provide exports data for FY 25-26 of following HS code 7601.1000 & 7601.2000	Customs
July	POL Products, 01-July to 15-June, Comparative Statements	Customs
July	PROVIDE SOFT DATA OF RICE - Most urgent	Customs
July	Provision of Annexure-C Wise Detailed data in Respect of Sixth Schedule, Table-1, Serial No. 48 of Sales Tax 1990 for TY 2024-25	Customs
July	Provision of Bifurcated Sales Tax Expenditure Data for TY 2022-23	Customs
July	Provision of Data	Customs
July	Provision of Details of Import Value and Tax Paid under Section 148 of the Income Tax Ordinance, 2001	Customs
July	Provision of Details of Import Value and Tax Paid under Section 148 of the Income Tax Ordinance, 2001 for Tax Years 2019 to May, 2026	Customs
July	PROVISION OF GD-WISE IMPORT & EXPORT DATA OF COMMON EXPORT HOUSE USER	Customs
July	Provision of import data and ST return data	Customs
July	Provision of Import Data FIR NO 33/2022	Customs
July	Provision of Import Data of Importers who were allowed exemption under SRO No. 1213 dated 5th October, 2018 on deduction of Tax u/s 148 of the Income Tax Ordinance, 2001.	Customs
July	Provision of Import DATA of Vehicle	Customs
July	Provision of Information under Anti-Money Laundering Act, 2010	Customs
July	RE: Data Required of Vehicle	Customs
July	RE: Provision of import data and ST return data	Customs
July	Request for Additional Fields in Export Data Already Provided	Customs
July	Request for detail of manual refunds for the month of June (1-28th June), 2026	Customs
July	Request for IP Addresses of User ID TR-0-0287084, M/S Sadaf Enterprises	Customs

July	Request For Provision of Archived Weboc Data - ALVI Trader NTN= 2768282	Customs
July	Request for Provision of Detailed Transaction-wise Data of Export Rebates	Customs
July	Request to restore missing rebate amount.	Customs
July	Sales Tax Cost of Exemption	Customs
July	Script of Custom Rebate	Customs
July	SDRP - Frequency & Modes of Submission of Claim 2026 -FBR	Customs
July	SDRP - Frequency & Modes of Submission of Claim Dec 2025 -FBR	Customs
July	SDRP - Frequency & Modes of Submission of Claims May 2026 -FBR	Customs
July	Slab Wise Import of Mobile Phones	Customs
July	Slab Wise Mobile Phones Imported as per requirement	Customs
July	Specific GDs Detail	Customs
July	SRO's Of Sale Tax On Import Stage During 01-Jul-2022 to 13-Feb-2023	Customs
July	SRO's Of Sale Tax On Import Stage During 14-Feb-2023 to 30-Jun-2023	Customs
July	SUMMARY OF REBATE PAID FOR MAY 2026 AND JUNE 2026 (TILL DATE)	Customs
July	Tax rates of given hscode for the year from 2015 to 2025	Customs
July	TIR CONSIGNMENTS - TRANSIT- FINAL DESTINATION "IRAN" - JAN 2025 TILL 18.06.2026	Customs
July	TIR CONSIGNMENTS - TRANSIT- FINAL DESTINATION "UZBEKISTAN" - JAN 2025 TILL 18.06.2026	Customs
July	TOP 30 MAJOR EXPORT ITEMS (VALUE WISE) in respect of Collectorate of Customs, Exports, Custom House, Karach	Customs
July	Top Importers, During Period (July-2025 to May-2026)	Customs
July	TP FILING INFO - DESTINED FOR PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 17.6.26	Customs
July	TP FILING INFO - DESTINED FOR PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 18.6.26	Customs
July	TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 19.6.26 till 21.6.26	Customs
July	TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 22.6.26	Customs
July	TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 23.6.26 to 28.6.26	Customs
July	TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 29.6.26	Customs
July	UNODC-PCCP IREN Interregional Operation “SYNTHETICS” June 23 5 PM to June 24 10AM	Customs
July	UNODC-PCCP IREN Interregional Operation “SYNTHETICS” June 24 10 AM to June 29 10AM	Customs
July	UNODC-PCCP IREN Interregional Operation “SYNTHETICS” June 29 10 AM to June 29 5PM	Customs
July	UNODC-PCCP/IREN Interregional Operation “SYNTHETICS”	Customs
July	UNODC-PCCP/IREN Interregional Operation “SYNTHETICS” 10 am to 5pm 23 Jun	Customs
July	Weekly activity 08 to 14 June - 2026	Customs
July	Weekly Activity 22 to 28 June - 2026 (No. of GDs & Value of Export)	Customs
July	ALLAH TAWAQAL METALS (PRIVATE) LIMITED	Customs
July	Difference in WEBoc Data	Customs
July	FBR-3924492-K1F8D1, Subject: Request for Removal of Incorrect GD from Annex-D of ST Return July 2025 Hussain Mills Ltd	Customs
July	Scheme wsie Export Value	Customs
July	: DLTL SRO 5(2)/2017 SO TP/7173 DDB Report at PMBQ Collectorate item-wise/entry-wise	Customs
July	1 VEHICLES OF TRANSPORT CARRIERS INFO SINCE INCEPTION TILL 1.7.26	Customs
July	11 ST GD's PQIB GD's - VEHICLE INFORMATION REQUIERD	Customs
July	11 VEHICLES OF TRANSPORT CARRIERS INFO SINCE INCEPTION TILL 1.7.26	Customs
July	2 GDS	Customs
July	2153 CHAL - M-EHSAN UD DIN AND COMPANY - 2024-25 & 26	Customs
July	3347 RASCH - 2024-25 & 26 - BONDED CARRIER PERFORMACE	Customs

July	3441 VICTORY LOGISTICS - 2024-25 & 26 - BONDED CARRIER PERFORMACE	Customs
July	4015 Annex C - 267 T1 FORM UPLOAD OR NOT	Customs
July	4016 Annexure - 83 GD's - GD STATUS & SECURITY STATUS	Customs
July	5-Years Import of 5th Schedule Custom Duty Part-V(A), SRO655-2006 and SRO656-2006	Customs
July	5-Years Import of New/Used Vehicles	Customs
July	8 GIVEN VEHICLE INFORMATION OF TRANSPORT CARRIERS	Customs
July	ADDITION OF MORE FIELDS IN THE ALREADY PROVIDED DATA OF DLTL REBATE SCHEME	Customs
July	ALL BONDED CARRIER LICENSE INFO	Customs
July	All CD & Sates Tax SROs Summary upto June 2026	Customs
July	All CD SROs Summary upto June 2026	Customs
July	All Pak Export Dwell Time 2024-25 & 2025-26 - GD Details	Customs
July	All Pakistan data for PCT 9018.9060	Customs
July	all pakistan import data cleared in from 01-07-2017 to 30-06-2026 where RD is not zero or null	Customs
July	All Sales Tax SROs Summary upto June 2026	Customs
July	ALLAH TAWAQAL METALS (PRIVATE) LIMITED	Customs
July	Analysis for FY(2025-26)	Customs
July	AT, TP, ST & EPZ SEALING DSEALING INFO - 1.3.26 TILL 30.6.26	Customs
July	Audit Report Export Jul 2025 to Mar 2026 Export Detail	Customs
July	Audit Report Import Jul 2025 to Mar 2026	Customs
July	Auto Rebate Paid NTN 0804020	Customs
July	Auto Rebate Payment Data	Customs
July	Auto Rebate required LAFE WITHOUT RCO	Customs
July	BL 371371751 - IMPORTER DEWAN SALMAN - KAPR-HC-96981-25-04-1996	Customs
July	BL NO - 020705093691 - IMPORTER DEWAN SALMAN - KAPR-HC-47583-15-12-1997	Customs
July	BL NO - 460264078 - IMPORTER DEWAN SALMAN - KAPR-HC-50325-04-12-1999	Customs
July	BONDED CARRIER - PROFILE INFO - AL HAJJ & EHSAN UDDIN	Customs
July	BONDED CARRIER EXPIRY EXTENSION	Customs
July	BONDED CARRIER PROFILE - EHSAN UD DIN	Customs
July	BONDED CARRIER PROFILE - JALAT, EHSAN, BOLAN & WESTERN	Customs
July	Budgetary Measures and BEC based Import analysis, for FY(2024-25vs2025-26)	Customs
July	CHAPTER 2710 - IMPORT DETAILS - 1.7.25 TILL 16.7.26	Customs
July	CHAPTER 48 - IMPORT DETAILS - 1.7.25 TILL 16.7.26	Customs
July	CHAPTER 72 TO 83 - IMPORT DETIALS - 1.7.25 TILL 30.6.26	Customs
July	Chashma Ghee Mills with Before and After Clearance Payments	Customs
July	CHASSIS NO - JTMHX01J8H4134569 - AND MOFA CERTIFICATE INFO - IMPORT DETAILS	Customs
July	CHECK 2 HSCODES DATA - VALUATION RULING NO - APPLIED YES CASE	Customs
July	Climate Support Levy VS NEV Adoption Levy	Customs
July	Coal Imported Under 12th Schedule, Srl-6	Customs
July	CoC Appraisement West	Customs
July	Collection Under Adjudication From COC, Export Karachi, During Jul to Jun - 24-25	Customs
July	Collection Under Adjudication From COC, Export Karachi, During Jul to Jun 25-26	Customs
July	Collection Under Adjudication From COC, Export Karachi, During Jun - 2026	Customs
July	Collection Under Adjudication From COC, Export Karachi, During Jun 2025	Customs

July	Collectorate Wise Imports & Exports Summary During Jul-2023 to Jun-2026	Customs
July	Collectorate Wise No. of GDs & Value of Export Karachi Custom House Collectorates, for the Month of Jun-2026	Customs
July	Collectorate Wise No. of GDs & Value of Export, for the Month of Jun-2026	Customs
July	Commercial & Re-Exp (Detail Data MCC Export All Pakistan)	Customs
July	Commercial (Detail Data MCC Export Karachi Port Jun-2026)	Customs
July	Comparative Import Summary Of All PCTs During (01-Jun-to 30-Jun) 2025 Vs 2026	Customs
July	Comparative Import Summary Of All PCTs During (Jul to Jun) 2024-25 Vs 2025-26	Customs
July	Current Traiff	Customs
July	Custom Tariff for 2026-27	Customs
July	Customs Reports, Upto June-2026	Customs
July	D8 Countries Data	Customs
July	DAILY FORWARD CARGO - GD's FILED - DETAIL & SUMMARY - 17.7.26 till 19.7.26	Customs
July	DAILY FORWARD CARGO - GD's FILED - DETAIL & SUMMARY - 20.7.26	Customs
July	DAILY FORWARD CARGO - GD's FILED - DETAIL & SUMMARY - 21.7.26	Customs
July	DAILY FORWARD CARGO - GD's FILED - DETAIL & SUMMARY - 22.7.26	Customs
July	DAILY FORWARD CARGO - GD's FILED - DETAIL & SUMMARY - 23.7.26	Customs
July	DAILY FORWARD CARGO - GD's FILED - DETAIL & SUMMARY - 24.7.26 TILL 26.7.26	Customs
July	DAILY FORWARD CARGO - GD's FILED - DETAIL & SUMMARY - 27.7.26	Customs
July	DAILY FORWARD CARGO - GD's FILED - DETAIL & SUMMARY - 28.7.26	Customs
July	DAILY FORWARD CARGO - GD's FILED - DETAIL & SUMMARY - 29.7.26 till 30.7.26	Customs
July	DAILY FORWARD CARGO GD's FILED - DETAIL & SUMMARY - 16.7.26	Customs
July	DAILY TIR FILING DETAILS & SUMMARY - 16.7.26	Customs
July	DAILY TIR FILING DETAILS & SUMMARY - 17.7.26 till 19.7.26	Customs
July	DAILY TIR FILING DETAILS & SUMMARY - 20.7.26	Customs
July	DAILY TIR FILING DETAILS & SUMMARY - 21.7.26	Customs
July	DAILY TIR FILING DETAILS & SUMMARY - 22.7.26	Customs
July	DAILY TIR FILING DETAILS & SUMMARY - 23.7.26	Customs
July	DAILY TIR FILING DETAILS & SUMMARY - 24.7.26 TILL 26.7.26	Customs
July	DAILY TIR FILING DETAILS & SUMMARY - 27.7.26	Customs
July	DAILY TIR FILING DETAILS & SUMMARY - 28.7.26	Customs
July	DAILY TIR FILING DETAILS & SUMMARY - 29.7.26 till 30.7.26	Customs
July	DAILY TP FILING DETAILS & SUMMARY - 16.7.26	Customs
July	DAILY TP FILING DETAILS & SUMMARY - 17.7.26 TILL 19.7.26	Customs
July	DAILY TP FILING DETAILS & SUMMARY - 20.7.26	Customs
July	DAILY TP FILING DETAILS & SUMMARY - 21.7.26	Customs
July	DAILY TP FILING DETAILS & SUMMARY - 22.7.26	Customs
July	DAILY TP FILING DETAILS & SUMMARY - 23.7.26	Customs
July	DAILY TP FILING DETAILS & SUMMARY - 24.7.26 TILL 26.7.26	Customs
July	DAILY TP FILING DETAILS & SUMMARY - 27.7.26	Customs
July	DAILY TP FILING DETAILS & SUMMARY - 28.7.26	Customs
July	DAILY TP FILING DETAILS & SUMMARY - 29.7.26 till 30.7.26	Customs
July	DAILY TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 13.7.26	Customs
July	DAILY TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 14.7.26	Customs

July	DAILY TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 15.7.26	Customs
July	DAILY TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 16.7.26 to 19.7.26	Customs
July	DAILY TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 20.7.26	Customs
July	DAILY TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 21.7.26	Customs
July	DAILY TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 22.7.26	Customs
July	DAILY TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 23.7.26	Customs
July	DAILY TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 24.7.26 till 26.7.26	Customs
July	Data of Exports Routed Through Collectorate of Customs Exports, Custom House, Karachi. For The Period Given	Customs
July	Data of TIR Import, Export and Transit, also of QTTA	Customs
July	Destination Wise Export Summary During Jul-2024 to Jun-2026	Customs
July	Detail of Export for given NTN	Customs
July	Detail of Export under given SRO	Customs
July	Detail of import	Customs
July	Detail of import of Given NTN	Customs
July	Detail of import of given PCT	Customs
July	Detail of Import Under Given B.L Nos.	Customs
July	Detail Report	Customs
July	Detail report of Export Jul 2025 to Mar 2026	Customs
July	Detail Report of Import Jul 2025 to Mar 2026	Customs
July	details of import GDs of Peshawar Dryport from archived data	Customs
July	DLTL SRO 5(2)/2017 SO TP/7173 DDB Report at PMBQ Collectorate	Customs
July	Dwell Time Import/Export Jul-Jun 2025-26 vs 2024-25	Customs
July	Expeditious Clearance of Perishable Goods	Customs
July	Expeditious Clearance of Perishable Goods (consignment shipped period 06 Jul to 12 Jul - 2026)	Customs
July	Export Detail	Customs
July	Export Detail of Given Exporter's name	Customs
July	Export Detail of Given Importer Name	Customs
July	Export Detail of Given PCTs,	Customs
July	Export Detail of Given PCTs, On The Based of Consignment Shipped During 13/07/2026 to 19/07/2026, From Karachi Custom House Collectorate, Through WeBOC	Customs
July	Export Dwell Time for Port Qasim (exports), Karachi and Port Bin Qasim, Karachi Bulk – Exports - GD Wise Details 2024-25 to 2025-26	Customs
July	Export Dwell Time for Port Qasim EPZ - GD Wise Details 2024-25 to 2025-26	Customs
July	Export Dwell Time Transport Wise 2025-26 vs 2024-25	Customs
July	Export GD data retrieval	Customs
July	Export of Companies Under List of SEZ Units	Customs
July	Export of Ferilizers	Customs
July	Export of mangoes from 01.06.2026 to 30.2 06.2026	Customs
July	Export of Tobacco, During FY(2025-26)	Customs
July	Export Promotion Schemes	Customs
July	EXPORT Under SRO_450 Jun-2026	Customs
July	Export Under SRO326 in the month of June 2026	Customs
July	Export Under SRO327 in the month of June 2026	Customs
July	Export Value of IPAF	Customs

July	Export Value of Karachi & Sialkot 2024-25 vs 2025-26	Customs
July	Exports Analysis Of All PCTs During (July to June) 2024-25 Vs 2025-26	Customs
July	FATA/PATA Import for FY(2024-25 & 2025-26)	Customs
July	FBR-3884877-K6T6N1, Import Gd issue: Wrong HS Code appear in Annex-B	Customs
July	Fire Safety*	Customs
July	FORWARD CARGO - UNCEARED GDS & CONTAINERS INFO - 1.10.25 TILL 15.7.26	Customs
July	FORWARD CARGO - UNCLAIMED INDICIES & CONTAINERS INFO - 1.10.25 TILL 15.7.26	Customs
July	FORWARD CARGO AFGHAN & TAJIK - GDS CANCELLED BUT INDICIES STILL AVAILABLE IN AFGHAN & TAJIK - 1.10.25 TILL 16.7.26	Customs
July	FORWARD CARGO FIGURES - AFGHAN, TAJIK & UZBEK - MONTH WISE - NO OF GDS, VALUE USD, CONTAINERS & TEUS - 1.12.25 TILL 30.6.26	Customs
July	FORWARD CARGO UZBEK - GDS CANCELLED BUT INDICIES STILL ON UZBEK - 1.10.25 TILL 15.7.26	Customs
July	FW: Import Under SRO-9919-Srl-2(b) (Used Carpets for Repairing Purpose)	Customs
July	FW: INFORMATION WITH RESPECT TO BONDED WAREHOUSES	Customs
July	FW: Pre-Arrival Stats (Customs)	Customs
July	GBSI - IMPORT DETAILS - 2025-26	Customs
July	GD Pre-Arrival	Customs
July	GD filling data of past 12 months	Customs
July	GD Level Import Data of Motor Spirit	Customs
July	GD Log	Customs
July	GD STAGE CHECK - KAPS-HC-213243-15-06-2026, KAPS-HC-208470-08-06-2026, KAPS-HC-211305-11-06-2026	Customs
July	GD'S Detail	Customs
July	GD's INFO - WHERE GD EXAMINATION MORE THAN ONCE - FACELESS ASSESSMENT COLL - MAR TO JUN 2026	Customs
July	GD's INFO - WHERE GD EXAMINATION MORE THAN ONCE - FACELESS ASSESSMENT COLL - REMOVE BLOCK CASES - MAR TO JUN 2026	Customs
July	Goods decleration of the following GDs are required for submission before the customs court II in solar panels cases	Customs
July	HS CODE 0806.2000 - IMPORT DETAILS - 1.7.25 TILL 19.7.26	Customs
July	HS CODE 0603 - IMPORT DETAILS - 1.7.25 TILL 15.7.26	Customs
July	HS CODE 1806 - IMPORT DETAILS - 1.7.25 TILL 7.7.26	Customs
July	HS CODE 2823.0000 & 3206.1100 - IMPORT DETAILS - 1.1.25 TILL 26.7.26	Customs
July	HS CODE 3303.0010, 3303.0020 & 3303.0090 - IMPORT DETAILS - 1.1.26 TILL 28.7.26	Customs
July	HS CODE 3303.0010, 3303.0020 & 3303.0090 - IMPORT DETAILS - 1.7.25 TILL 30.6.26	Customs
July	HS CODE 4011.2011,4011.2019,4011.2091,4011.2099 - IMPORT DETAILS - 1.7.25 TILL 30.6.26	Customs
July	HS CODE 4016.9990 - IMPORT DETAILS - 1.1.26 TILL 29.6.26	Customs
July	HS CODE 4810.9290 & 4810.9900 - IMPORT DETAILS - 1.1.26 TILL 20.7.26	Customs
July	HS CODE 4811 - IMPORT DETAILS - 1.7.25 TILL 15.7.26	Customs
July	HS CODE 5106.1000, 5106.2000 & 5107.2000 - IMPORT DETAILS - 1.1.26 TILL 20.7.26	Customs
July	HS CODE 5106.1000, 5106.2000 & 5107.2000 - IMPORT DETAILS - 1.7.25 TILL 20.7.26	Customs
July	HS CODE 5107.1000 - IMPORT DETAILS - 1.7.25 TILL 20.7.26	Customs
July	HS CODE 5111.1100, 5111.1900, 5111.2000, 5111.3000, 5111.9000 - IMPORT DETAILS - 1.7.25 TILL 20.7.26	Customs
July	HS CODE 5402.3300, 5402.4700 - IMPORT DETAILS - 1.7.25 TILL 20.7.26	Customs
July	HS CODE 5407.5100, 5407.5200, 5407.5300, 5407.5400, 5407.6100 & 5407.6900 - IMPORT DETAILS - 1.7.25 TILL 20.7.26	Customs
July	HS CODE 5407.6100 - IMPORT DETAILS - 1.7.25 TILL 30.6.26	Customs
July	HS CODE 5509.2100, 5509.2200, 5509.5100, 5510.1100,5510.1200 - IMPORT DETAILS - 1.7.26 TILL 20.7.26	Customs

July	HS CODE 5603.1100, 5603.1200, 5603.1300, 5603.1400, 5603.9100, 5603.9200, 5603.9300, 5603.9400 - IMPORT DETAILS - 1.7.25 TILL 20.7.26	Customs
July	HS CODE 5603.1300, 5603.4900, 5903.1000, 5903.2000, 5903.9000 - IMPORT DETAILS - 1.1.23 TILL 7.7.26	Customs
July	HS CODE 5903.1000, 5603.1400, 5603.9400, 5903.2000 & 5903.9000 - IMPORT DETAILS - 1.7.25 TILL 30.6.26	Customs
July	HS CODE 6307.1010, 6307.1020, 6307.1030, 6307.1040, 6307.1090 & 6307.9090 - IMPORT DETAILS - 1.1.26 TILL 20.7.26	Customs
July	HS CODE 6307.9030 - IMPORT DETAILS - 1.1.26 TILL 20.7.26	Customs
July	HS CODE 6813.2020, 6813.8120, 8483.6092, 8708.1020, 8708.2931, 8708.2939, 8708.3020, 8708.3031, 8708.3039, 8708.4090, 8708.8010, 8708.8090, 8708.9390 AND 8708.9490 - IMPORT DETAILS - 1.7.24 TILL 30.6.26	Customs
July	HS CODE 6911.1010, 6911.1020, 6911.1030, 6911.1040, 6911.1090 & 6911.9000 - IMPORT DETAILS - 2025-26	Customs
July	HS CODE 8415.9099 - IMPORT DETAILS - 1.7.25 TILL 30.6.26	Customs
July	HS CODE 8481.1000, 8481.2000, 8481.3000, 8481.4000 - IMPORT DETAILS - 1.1.26 TILL 23.7.26	Customs
July	HS CODE 8504.4020, 8507.8000, 8529.9090, 8518.3000, 8544.4990, 8523.8090, 7007.1190 - IMPORT DETAILS - 1.1.26 TILL 15.7.26	Customs
July	HS CODE 8517.1390 - IMPORT DETAILS - 1.7.25 TILL 30.6.26	Customs
July	HS CODE 8531.1000, 8531.9090 - IMPORT DETAILS - 1.1.26 TILL 25.4.26	Customs
July	HS CODE 9004.1000 & 9003.1900 - IMPORT DETAILS - 24.3.26 TILL 23.6.26	Customs
July	HS CODE 9302.0092, 9303.2010 & 9303.2095 - IMPORT DETAIL - 1.7.25 TILL 30.6.26	Customs
July	HS CODE 9306.3090 - IMPORT DETAILS - 1.7.25 TILL 30.6.26	Customs
July	HS CODE 9405 - IMPORT DETAILS - 1.7.24 TILL 30.6.26	Customs
July	HS CODE WISE FIGURES & DUTY TAXES - WITH CD RATE % & FIXED - 2025-26	Customs
July	HS CODES 6813.2020, 6813.8120, 8483.6092, 8708.1010, 8708.1020, 8708.1090, 8708.2931, 8708.2939, 8708.3010, 8708.3020, 8708.3031, 8708.3039, 8708.4090, 8708.5010, 8708.8010, 8708.8020, 8708.8090, 8708.9310, 8708.9390, 8708.9490 and 8708.9990	Customs
July	IMG_4555 - DATA - GIVEN IGM & INDICES LIST - ADD SHIPPING & COLOADER NAME	Customs
July	IMG_4556 - DATA - GIVEN IGM & INDICES LIST - ADD SHIPPING & COLOADER NAME	Customs
July	IMPORT / EXPORT DATA UNDER DTRE NO.KEXP-0030-24032012	Customs
July	Import Analysis for FY(2025-26) Faceless & Non-Faceless	Customs
July	Import by M/s GO Petroleum Under NTN-3935947	Customs
July	Import Categories Summary	Customs
July	Import Data During Period (July-2016 to June-2021)	Customs
July	Import Data of 2710.1220-1230-1240-1250-1290	Customs
July	Import data of M/S Three Star Enterprises having NTN 3119596	Customs
July	IMPORT DATA OF MAJOR OEMs, NEPHTA & HIGH END VEHICLES	Customs
July	Import Data of Motorbike Manufacturers	Customs
July	Import Data of PCTs (5601.2900, 9607.1100 & 9607.1900)	Customs
July	Import Data of POL Products by OMCs and Refineries	Customs
July	Import Data of Specified PCTs for July-2018 to June-2021	Customs
July	Import data of the FATA/PATA units for the period from Jan-2015 ro June-2021	Customs
July	Import Data of Vehicles, During FY(2025-26)	Customs
July	Import Data of White Spirit and Light Alyphatic Solvent	Customs
July	Import Data on NTN 2707125	Customs
July	Import Detail	Customs
July	Import Detail & Summary Under PCT (6811.8200) During Jul-2023 to Jun-2026	Customs
July	Import Detail Data of Specified NTNs Required, During (July-2018 to June-2026)	Customs
July	Import Detail Data required for July-2018 to June-2026	Customs
July	Import Detail Data required for July-2018 to June-2026 of Specific NTNs	Customs

July	Import Detail Examination reports of imported goods	Customs
July	Import Detail Of Cell Phones During (Jul to Jun) 2024-25 Vs 2025-26	Customs
July	Import Detail of Given Importer Name	Customs
July	Import Detail of Given Importer's Name	Customs
July	Import Detail Of Given NTN # During Jul-2024 to Jun-2025	Customs
July	Import Detail Of Given NTN # During Jul-2025 to Jun-2026	Customs
July	Import Detail Of Given NTN No Under PCT 27 During Jul-2023 to Jun-2026	Customs
July	Import Detail Of Given NTN Nos Under SRO 656-2006 During Jul-2024 to Jun-2026	Customs
July	Import Detail Of PCT Chapter 24 During Jul-2024 to Jun-2026	Customs
July	Import Detail Of Temporary Import GD Type (TI) During Jul-2025 to Jun-2026	Customs
July	Import Detail Of Vehicle's Under (113) PCTs During (01-Jun-to 30-Jun) 2026 Vs 2025	Customs
July	Import Detail Under Description Like (Naphtha) During Jul-2025 to Jun-2026	Customs
July	Import Detail Under Given NTN Nos During Jul-2024 to Jun-2026	Customs
July	Import Detail Under Given PCT (2711.1910) During Jul-2025 to Jun-2026	Customs
July	Import Detail Under Given PCT (8413.7011) During Jul-2026 to 08-Jul-2026	Customs
July	Import Detail Under Given PCTs ('7207.1110','7207.2020','7207.1920') During Jul-2025 to Jun-2026	Customs
July	Import Detail Under PCT (2710.1210) During Jul-2025 to Jun-2026	Customs
July	Import Detail Under PCT (8413.7011) During 01-Jul-2026 to 20-July-2026	Customs
July	Import Detail Under PCT-Chapter 27 During Jul-2023 to Jun-2026 With Previous GD Ref No & GD No Complete	Customs
July	Import Detail Under PCTs (19.02) During Jul-2025 to Jun-2026	Customs
July	Import Detail Under PCTs (8418.6990) During Jan-2026 to Jun-2026	Customs
July	Import Detail Under SRO (99.19) During 01-Jul-2025 to 28-Jul-2026	Customs
July	Import Detail Under SRO 678-2004 During Jul-2025 to Jun-2026	Customs
July	Import Dwell Time Transport Wise 2025-26 vs 2024-25	Customs
July	Import Export Figures 14- July 2026	Customs
July	Import Export Value 02 July 2026	Customs
July	Import Export Value 09 June 2026	Customs
July	Import Export Value 13 July 2026	Customs
July	Import Export Value 15 July 2026	Customs
July	Import Export Value 16 July 2026	Customs
July	Import Export Value 21 July 2026	Customs
July	Import Export Value 23 July 2026	Customs
July	Import Export Value 27 July 2026	Customs
July	Import Export Value 28 July 2026	Customs
July	Import Export Value 29 July 2026	Customs
July	Import Export Value 30 July 2026	Customs
July	Import Export value 30 June	Customs
July	Import Export Value 5 June 2026	Customs
July	Import Export Value July 01 2026	Customs
July	Import Export Value of 20 July 2026	Customs
July	Import Export Value of 22 July 2026	Customs
July	IMPORT FIGURES - AV DV IMPORT VALUE & DUTY TAXES PAYABLE - 2025-26	Customs
July	IMPORT FIGURES - HS CODE WISE WITH VALUATION & RULING TAG - 2025-26	Customs

July	IMPORT FIGURES - SEC81 CASES COMPLETED - NO OF GD's AND ADDITIONAL REVENUE - 2025-26	Customs
July	IMPORT FIGURES - SEC81 CASES NOT COMPLETED - NO OF GD'sDEC ASSESSED VALUE WITH SECURITY AMOUNT - 2025-26	Customs
July	IMPORT FIGURES - VRs & PVR's NOT IN VR's - 2024-25 & 26	Customs
July	Import for the Month of June-2025vs2026	Customs
July	Import GD Detail against Tracking ID (26248230)	Customs
July	IMPORT MONTHLY - Export Promotion Schemes (Import Summary) Jul to Jun 2024-25 & 2025-26	Customs
July	Import of 2-3-4 Wheelers for FY(2016-17 to 2025-26)	Customs
July	Import of Black Tea	Customs
July	Import of Ferilizers	Customs
July	Import of LPG-2711.1910 During (01-Jun to 30-Jun) 2026	Customs
July	Import of Motor Spirit and HSD	Customs
July	Import of Stationary Items (5-Years)	Customs
July	Import of Stationary Items where ST@0% , 10% and more than 10%	Customs
July	Import of Used Tyres	Customs
July	Import of Used Vehicles (Scheme Wise) and SRO655 & SRO656	Customs
July	Import Of Uzbekistan	Customs
July	Import of Vehicles (Land Cruiser, Land Rover, Audi, Mercedes, BMW, Porsche) - Last 5 years	Customs
July	Import of Vehicles 5-Years, July-2021 to June-2026	Customs
July	Import Summary	Customs
July	Import Summary Data for 2,3 & 4 Wheelers NTNs	Customs
July	Import Summary Of Given PCTs (72.07) During Jul-2025 to Jun-2026	Customs
July	Import Summary Of PCT Chapter 24 During Jul-2024 to Jun-2026	Customs
July	Import Summary Of PCTs (10.06) During Jul-2021 to Jun-2026	Customs
July	Import Summary/Detail Under EFS	Customs
July	Import Under D8 Countries (SRO2075(I)/2024)	Customs
July	Import Under D8 Countries (SRO2075(I)/2024)	Customs
July	Import Under SRO-9919-Srl-2(b) (Used Carpets for Repairing Purpose)	Customs
July	Import/Export Analysis for FY(2024-25vs2025-26)	Customs
July	Import/Export Through Border Stations	Customs
July	Import/Export Value, Upto 30-June-2026	Customs
July	Import/Export Values and Duties/Taxes for FY(2023-24 to 2025-26)	Customs
July	IMPORTER NAME LIKE - IMPORT DETAILS - NATIONAL ARMS - 1.7.25 TILL 30.6.26	Customs
July	Importer Wise Coal Imported	Customs
July	Importer Wise SRO655 & SRO656 (5-Years)	Customs
July	Importer Wise Summary of Car Manufacturers	Customs
July	Importer Wise Summary of SRO678(I)/2004	Customs
July	Importer Wise Summary of SRO-9919, Srl-2(b)	Customs
July	Importer Wise Tobacco Import for FY(2024-25vs2025-26)	Customs
July	Impot Export value 06 July 2026	Customs
July	Impot Export Value 12 July 2026	Customs
July	Information about GDs filed throughout the country	Customs
July	INFORMATION WITH RESPECT TO BONDED WAREHOUSES	Customs
July	Inquiry Reference – AntiSmuggling Case	Customs

July	Intelligence Alert No 102	Customs
July	INTERNATIONAL TRANSHIPMENT INFO WITH CONTAINERS - 1.1.26 TILL 15.7.26	Customs
July	INTERNATIONAL TRANSHIPMENT INFO WITH CONTAINERS & SUMMARY - 1.1.26 TILL 22.7.26	Customs
July	INTERNATIONAL TRANSHIPMENT INFO WITH CONTAINERS & SUMMARY - 1.1.26 TILL 26.7.26	Customs
July	INTERNATIONAL TRANSHIPMENT INFO WITH CONTAINERS & SUMMARY - 1.1.26 TILL 30.7.26	Customs
July	INTERNATIONAL TRANSHIPMENT INFO WITH CONTAINERS & SUMMARY - MONTH WISE BREAKLUP - 1.1.26 TILL 30.7.26	Customs
July	INTERPORT SEALING DSEALING INFO - 1.3.26 TILL 30.6.26	Customs
July	June-2026 Faceless Analysis	Customs
July	KAPS-HC-213243-15-06-2026, KAPS-HC-211305-11-06-2026, KAPS-HC-208470-08-06-2026 - valuation GD's currently in folder of officer with name	Customs
July	Light Aliphatic Hydro Solvent, through Land and Sea Ports	Customs
July	LIST OF 10 HS CODES - IMPORT FIGURES - WITH DIFF PERIODS - SET1 & SET 2 DATES	Customs
July	LIST OF 112 HS CODES - IMPORT FIGURES - WITH DIFF PERIODS - SET1 & SET 2 DATES	Customs
July	LIST OF 47 BL - CONTAINER ADDITION - NUMBER CHECK TRANSIT FOR CLAIMED UNCLAIMED	Customs
July	LIST OF 47 BL NUMBER CHECK TRANSIT FOR CLAIMED UNCLAIMED	Customs
July	LIST OF 87 HS CODES - IMPORT FIGURES - WITH DIFF PERIODS - SET1 & SET 2 DATES	Customs
July	List of Chemicals	Customs
July	List of Chemicals Imported	Customs
July	LIST OF HS CODES - EXPORT VALUE RS & USD - 2025-26	Customs
July	LPG Data Through Land Border Stations	Customs
July	M/S.PREMIER CABLES (PVT) LTD	Customs
July	MC-3399223-3092025-8217 - MC-5264263-3092025-8218	Customs
July	Month Wise 5 Years Export Summary Under PCTs (10.06) During Jul-2021 to Jun-2026	Customs
July	Month Wise Import & Export Value and CD Collection, Upto 30-June-2026	Customs
June	Month Wise Import of MS & HSD	Customs
June	Month Wise Import Summary Of Petroleum Products Under PCT (2709.0000,2710.1210,2710.1931)	Customs
June	Month Wise Import Summary Under PCTs (2710.1250 & 2710.1240) During 01-Jan-2025 to 23-Jul-2026	Customs
June	Month Wise Import/Export Value and CD Collection, Upto 30-June-2026	Customs
June	Month Wise Light Aliphatic Solvent and White Spirit	Customs
June	Month wise Value of Export of given PCT	Customs
June	Motor Bike Manufacturers Summary	Customs
June	No. of GD Cancelled in Jun-2026	Customs
June	Non-Realization of Income Tax On Export Gds / Non-Realization of Export Development Surcharge on Export GdsMcc Export PMBQ For the Year 2014-15	Customs
June	Non-Realization of Income Tax On Export Gds / Non-Realization of Export Development Surcharge on Export GdsMcc Export PMBQ For the Year 2014-15	Customs
June	NTN = 3093304	Customs
June	NTN = 3935947 Wise Detail	Customs
June	NTN = 3935947 Wise Detail with outstanding balance	Customs
June	Observation Regarding Missing SRO History in Rebate Claim Cases	Customs
June	Old Data Required By Deputy Collector of Custom PMBQ	Customs
June	ONOs Issued - Login-ID CUS-6538113	Customs
June	Origin Wise Import Summary During Jul-2024 to Jun-2025	Customs
June	Origin Wise Import Summary During Jul-2025 to Jun-2026	Customs
June	Parents & PCT Wise Value of Export All Pakistan EXCEPT Karachi & Karachi.	Customs

June	Parents & PCT Wise Value of Export Karach Custom House Collectorate (Jun-2026)	Customs
June	PCT Wise Assist & Declared Value of Export in Rs. & US along with Valuation HS Code & Applied Status	Customs
June	PCT_Head wise Quantity of Export & Values	Customs
June	PCT_Head Wise Quantity of Import Along With Values and Duties	Customs
June	PDL PAYMENT MONTH WISE and Transaction wise Data from 01-07-2025 AND 31-03-2026	Customs
June	PDL Payment with Quantity and Value	Customs
June	Pending Claim's 3096186, 2283882	Customs
June	PIT-9398-28052011 - MANIFEST BL INFO - FTO MATTER - 1 CUSTOMS - SHAFAT ALI DD TRANSIT	Customs
June	POL Products Data with Previous Ref No.	Customs
June	PROFIEL DATA	Customs
June	PROVISION OF DATA IN RESPECT OF M/S STYLE TEXTILES PRIVATE LIMITED (NTN-0657810)	Customs
June	provision of data of contraventions of May to July 2026 urgent	Customs
June	Provision of DATA of EFS Taxpayers	Customs
June	Provision of DATA of Steel Sector	Customs
June	Provision of export data for Duty Draw back exercise	Customs
June	Provision of Import Data	Customs
June	Provision of IOCO related data - IOCO Lahore	Customs
June	Provision of Month wise, Company wise and Field Formation wise details of collection of PDL at Import Stage	Customs
June	Provision of Office-wise and Head-wise Collection Data and Adjustment Details	Customs
June	Provision of Office-wise and Head-wise Import Collection Data e-payment- PD Account	Customs
June	Provision of Record	Customs
June	Quota Information IOCC-IOCO-6516-2732026	Customs
June	R.D Amount Collect Through COC, Export Karachi, During The Month of 01st Jul to 27st Jul 2026 Base on Ppayment Date	Customs
June	R.D Amount Collect Through COC, Export Karachi, Month of Jun-2026 base on payment date	Customs
June	RE: Data on Local Sales and Import against HS Code	Customs
June	RE: Data Required	Customs
June	RE: FBR-3896578-W7G6M5	Customs
June	RE: IMPORT DATA OF MAJOR OEMs, NEPHTA & HIGH END VEHICLES	Customs
June	RE: KPQI-HC-12103-18-03-2010	Customs
June	RE: pre-arrival stats	Customs
June	RE: Provision of collection of sales tax from third schedule goods incorporated through Finance Act, 2026	Customs
June	RE: Request for Provision of month wise Import and Export Data for Selected HS Codes (Last Five Financial Year	Customs
June	Rebate Auto Rebate NTN =0804020	Customs
June	Rebate data as there is discrepancy in the figures reported by the collectorate and FBR statistics wing	Customs
June	Rebate data on priority	Customs
June	Rebate given to EFS users and Non EFS users , schedule wise of each SRO 209, 210, 211 and 212(I) / 2009.	Customs
June	Re-Exp (Detail Data MCC Export Karachi Port Jun-2026)	Customs
June	Re-export Comparison, Month Jun-2026 & 2025	Customs
June	Re-export Comparison, Month wise & current month Till Jun-2026	Customs
June	Request for Provision of all Analysis Certificates issued to M/s Five Brothers Metal Industries (Pvt) Ltd (NTN: 9422590-4)	Customs
June	Request for Provision of G.D.-Wise Import Data of AOPs and AOP Members for Tax Years 2018 to 2026	Customs
June	Request for Provision of G.D.-Wise Import Data of Companies and Companies' Directors for Tax Years 2018 to 2026	Customs

June	Request for Provision of G.D.-Wise Import Data of Companies and Companies' Directors for Tax Years 2018 to 2026--481-Cases	Customs
June	Request for Provision of G.D.-Wise Import Data of Companies and Companies' Directors for Tax Years 2018 to 2026--630-Cases	Customs
June	Request for Provision of Import Export Data	Customs
June	Request for Provision of Monthly DDB Information	Customs
June	Request for Sector Wise Climate Support Levy Data	Customs
June	Request to check BCA (WEAVES EXPORTS (SMC-PRIVATE) LIMITED)	Customs
June	REQUISITION OF DATA OF EXPORT GDs	Customs
June	REQUISITION OF EFS DATA	Customs
June	Scheme Wise Monthly Report June 2026	Customs
June	SDRP - Frequency & Modes of Submission of Claim 2026 -FBR	Customs
June	SDRP - Frequency & Modes of Submission of Claims June 2026 -FBR	Customs
June	SECTOR WISE COMODITIES Jun-2026	Customs
June	Sector Wise Dutiable and Dutyfree Value	Customs
June	Smuggling Prone items	Customs
June	SOLAR PANEL IMPORT DATA	Customs
June	Specific Container Inquiry (Enforcement Collectorate)	Customs
June	SRO655, SRO656(I)/2006 Data During Period (July-2016 to June-2021)	Customs
June	Station Wise Import Summary During FY-2025-26	Customs
June	Summary of Rebate Amount without RCO	Customs
June	Summary Total No. of GDs & Value of Export Karachi Custom House, for the Month of Jun-2026	Customs
June	The Collectorate-Wise import Summary For The Period of GDs Released From 01/07/2025 to 30/06/2026, All Pakistan Through WeBOC	Customs
June	TIR CONSIGNMENTS - STATION THROUGH GABD & TAFT - 1.6.26 TILL 6.7.26	Customs
June	TIR CONSIGNMENTS SUMMARY - 2022-23,24,25,26 TILL 12 JUL 26	Customs
June	TLCE-SB-13724-11-10-2025	Customs
June	TOTAL EXPORT VALUE RS & USD - 2025-26	Customs
June	TP DETAILS - KARACHI REGION - DESTINED TO LAHORE - 1.10.25 TILL 13.7.26	Customs
June	TP DETAILS - WITH HC GD's - EAST WEST PQ & SAPT - 1.1.26 TILL 30.6.26	Customs
June	TP FILING DETAILS - MONTH WISE SEGREGATED - WITH HC GD's - EAST WEST PQ & SAPT - 1.1.26 TILL 30.6.26	Customs
June	TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 1.7.26	Customs
June	TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 10.7.26 till 12.7.26	Customs
June	TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 2.7.26	Customs
June	TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 27.7.26	Customs
June	TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 28.7.26	Customs
June	TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 29.7.26 till 30.7.26	Customs
June	TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 3.7.26 till 5.7.26	Customs
June	TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 30.6.26	Customs
June	TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 6.7.26	Customs
June	TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 7.7.26	Customs
June	TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 8.7.26	Customs
June	TP FILING INFO - PREM NAGR LHR, EPZ SLK & GUJ, MARG ISB - 9.7.26	Customs
June	TP INFO WITH HC GD's & DWELL TIME INFO - 1.6.26 TILL 12.7.26	Customs
June	TP INFO WITH HC GD's & DWELL TIME INFO - JUN 2026	Customs

June	TRANSIT CARGO - AFGHAN TAJIK & UZBEK UNCLAIMED INDICIES INFO WITH CONTAINERS - 1.12.25 TILL 14.7.26	Customs
June	TRANSIT CARGO - AFGHAN UZBEK & TAJIK - UNCLEARED GD's INFO WITH CONTAINERS - 1.12.25 TILL 14.7.26	Customs
June	TRANSIT CARGO - UNCLAIMED INDICIES INFO WITH CONTAINERS & AGING DAYS - SINCE INCEPTION TILL 8.7.26	Customs
June	TRANSIT CARGO - UNCLEARED GD's INFO WITH CONTAINERS & AGING DAYS - SINCE INCEPTION TILL 8.7.26	Customs
June	TRANSIT FORWARD CARGO DETAILS - GABD & TAFTAN - UBZEK & TAJIK - GD FILING DATE - 1.6.26 TILL 6.7.26	Customs
June	Transit Trade (Forward & Reverse)	Customs
June	Urgent information	Customs
June	Used Clothes Imported Under SRO657(I)/2013	Customs
June	Vehicle Search	Customs
June	Verification of GD Filing Details	Customs
June	Weekly Activity 29 Jun to 05 Jul - 2026 (No. of GDs & Value of Export) Through Collectorate of Customs Exports, Custom House, Karachi	Customs
June	Weekly Data of Exports Routed Through Collectorate of Customs Exports, Custom House, Karachi	Customs
June	Weekly Summary report, No. of GDs and values of export in Rs & US$	Customs
June	Wheat Jun-2026	Customs
June	1% and 3.5% IT Rate wise Import Where AST>0	Data Analysis
June	Bilateral Trade with Saudi Arabia	Data Analysis
June	Cement Exports Month Wise	Data Analysis
June	CKD Import Data Of 2-3 Wheelers Specified Hs Codes By EDB	Data Analysis
June	Comparative Import of Palm Oil	Data Analysis
June	Comparative Month Wise Import of POL Products (01-Jul to 19-May)2025vs2026	Data Analysis
June	Customs SROs for Tax Expenditure (2024-25)	Data Analysis
June	Data for M/Commerce	Data Analysis
June	Data Required for M/Climate Change	Data Analysis
June	Destination Wise Export Summary During Jul-2024 to Apr-2026	Data Analysis
June	Export Analysis for July-2025 to April-2026	Data Analysis
June	Export Collectorates Description	Data Analysis
June	Export to CARS and CIS without Form-E	Data Analysis
June	Export to CIS Countries through Iran Land Route	Data Analysis
June	Export to Iran via Land Route without Form-E	Data Analysis
June	Export Value added for request period	Data Analysis
June	Import Analysis Upto Oct-2024vs2025	Data Analysis
June	Import Data for PAPAM	Data Analysis
June	Import of All PCTs, During (July to April) 2024-25vs2025-26	Data Analysis
June	Import of All PCTs, During Period (July to April)2024-25vs2025-26	Data Analysis
June	Import of Batteries and Solar Panels	Data Analysis
June	Import of Double Cabin (87.04)	Data Analysis
June	Import of ICE and NEV (CBU & CKD)	Data Analysis
June	Import of Iron/Steel Sector	Data Analysis
June	Import of Laptops	Data Analysis
June	Import of LNG & LPG	Data Analysis
June	Import of LNG with Duties Rates	Data Analysis
June	Import of PCTs (24.04 and 85.43)	Data Analysis
June	Import of Plam Oil	Data Analysis

June	Import of Plastics Under Chapter-39	Data Analysis
June	Import of POL Products, Upto 15-May-2025vs2026	Data Analysis
June	Import of Whey Powder and Cocoa Items	Data Analysis
June	Import Under 5th Schedule Custom Duty Part-V(A) Table-I	Data Analysis
June	Import Under EFS and 5th Schedule	Data Analysis
June	Import Upto April and BEC Classification	Data Analysis
June	Import Value Analysis (App South & Total)	Data Analysis
June	Import/Export Data Under	Data Analysis
June	Import/Export from Sost Border	Data Analysis
June	Import/Export Value, Upto 30-April-2026	Data Analysis
June	Importer Wise Summary of Specific PCTs (Paper & Paper board)	Data Analysis
June	Month Wise Export Value as per Format	Data Analysis
June	Month Wise Import of POL Products, Upto 19-May-2026	Data Analysis
June	Month Wise Import of Vehicles	Data Analysis
June	Non GD Payments of CPEC Companies	Data Analysis
June	Normal Export & Export Under EFS Detail Of Given PCT (9404.1000) During Jul-2024 to Apr-2026	Data Analysis
June	Palm Oil Import	Data Analysis
June	Palm Oil Import (01-July to 15-May) 2021-22 to 2025-26	Data Analysis
June	PDL Collection (Import & Domestic)	Data Analysis
June	PDL Collection and PDL Rates with Quantity	Data Analysis
June	PROVISION OF HS CODES OF GDs	Data Analysis
June	Provision of Sales Tax Expenditure Data for TY 2021-22 to TY 2022-23	Data Analysis
June	Request for Data of Imports and Exports of DPMS Entities	Data Analysis
June	Request for figure of Rebates and Refunds of Customs Duty for April-2026	Data Analysis
June	Sector Wise Import Analysis for (July to April) Comparative	Data Analysis
June	Analysis of DISCO Monthly Tax Returns as an Alternative Data Source for Consumer-Level Analysis	Data Analysis
June	KPI Sheet – Data Mapping Exercise for Query Results	Data Analysis
June	LI Wise Total Invoices & Sales Tax From DI For DECEMBER TO April 2026	DI
June	Total DI Invoices & Aggregated Value From 01 jul- 2025 to 12 May-2026	DI
June	: DI Invoices Weekly Report - 02-Apr -2026 Month Wise	DI
June	Anonymized Data Of Di Registered Seller and its Registered Buyer For Tax Period April 2026 Digital Invoices - Statistics 21-Apr- 2026	DI
June	Anonymized RE: Digital Invoices for the Month Of April - 2026 -Statistics 21-Apr- 2026	DI
June	Daily DI Invoice Summary	DI
June	Daily Di Invoices Summary	DI
June	Daily DI Invoices Summary 04 April 2026	DI
June	Daily Report for DI Invoices Summary	DI
June	DI Data Require for 12 Month DI Invoices Vs ST Invoices For Last 12 Month	DI
June	DI Implementation Status ,Total ST Registered Total Normal Filer,Di Registered & Integration & Total No Of Person Invoice issue on di	DI
June	DI Integrated & Registered And their Current Status Date With first invoices date	DI
June	DI Integration & Registration Status	DI
June	Di Invoice Summary	DI
June	DI Invoices Weekly Report - 07-Apr -2026 for Mckinsey	DI

June	DI Invoices Weekly Report - 21-Apr -2026 From March - 2026 To May - 2026 & ST Returns TY 2024-25	DI
June	DI Weekly Report Feb TO Aril 2026 with Annexc 2024-25	DI
June	DI Weekly Report TY 2024-25	DI
June	Digital Invoices -Statistics 04-May- 2026 From Salman Akhtar & CEO Faisal Sittar	DI
June	Digital Invoices -Statistics 25-May- 2026 Up To Jul-2025 To May - 2026 & Its Summary	DI
June	Pending Requirements and Clarifications - Digital Invoicing Project	DI
June	RE: Digital Invoices -Statistics 12-May- 2026 Report From Upto July 2025 To Till Date	DI
June	RE: Report Required from Integration Data of Digital Invoicing (D)	DI
June	RE: Total DI Invoices & Aggregated Value From 01 jul- 2025 to 12 May-2026 bifurcation of this information as mentioned in the format attached above. Please provide asap.	DI
June	Report Required from Integration Data of Digital Invoicing (D) With Minimum & Maximum Time Duration During Registration & Integration In Days	DI
June	Total DI Invoices & Aggregated Value From 01 jul- 2025 to 12 May-2026	DI
June	Weekly Di Invoice Summary Comparison MAR,APR,MAY & ST Return TY 2024-25	DI
June	Weekly Digital Invoices -Statistics 20-May- 2026	DI
June	DI Invoices Weekly Report - 5-Apr -2026	DI
June	Slide Inputs	DI
June	Analyst Of Digital Invoiceing for Salman Akhtar Sb	DI
June	Daily Di Invoice Summary	DI
June	Daily Di Invoice	DI
June	Daily DI Invoice Summary	DI
June	Daily Di Invoices Summary	DI
June	DI Dataset Extracted	DI
June	Di Invoice For the Month Of March-26 to May - 26 & Their Sale Tax Turnover TY 2024-25	DI
June	Di Invoice Summary	DI
June	DI Invoices For The month of May-2026	DI
June	FW: Request for Sample Data Extraction from Production Environment For Digital Invoicing	DI
June	New Registered & Integrated Of DI & Their Invoice With Sales Value & Sale Tax For The Month of May-2026	DI
June	Prepare Total DI Registered & Their Production Invoice Script & Handover to Mr Imran Shaukat Sb	DI
June	RE: DI status for presentation- McKinsey Month Wise Total Di Registered & Integrated & Testing & Their Total Invoice With Sales Tax Turnover	DI
June	RE: Updated digital invoicing data- field formation wise	DI
June	RE: Urgent data required-Total ST Registered of Importer ,Total DI Importer Register & Integrated of Importers	DI
June	Request for Sample Data Extraction from Production Environment For Digital Invoicing	DI
June	Required Data	DI
June	Total Di Registered & Integrated &Their Total Invoice with Sale Value & Sale Tax With Turnover TY 2024-25	DI
June	Total DI Registration Integration And Total Taxpayer Issuing Invoice Through Di	DI
June	Total ST Registered & Total Di Registered & integrated & Total Active DI Taxpayer & Their Month Wise Total Production Invoices	DI
June	Urgently required- Data of importers Status either DI Registered & Integrated Or Not	DI
June	Urgently required- Data of importers Tax Office Di registration Status & Integrated Status	DI
June	Weekly Digital Invoices -Statistics 25-May- 2026	DI
June	PDL PAYMENT MONTH WISE 01-07-2026 AND 26-07-2026	DI
June	Prepare DI and STrack Sample Data for Pre-CCU	DI
June	: Digital Invoicing Total Invoicing With Sales Value & Sales Tax Returns for Jul 2026	DI
June	Analyze 236G Withholding Data Including IT/ST Declarations, Taxable Amount, and Tax Deducted	DI

June	comparative analysis was conducted to assess the data before and after DI integration for each case, in order to evaluate consistency and identify any variations between the two reporting periods.	DI
June	Data Request: DI & Sales Data	DI
June	Data Request: DI & Sales Data for Mcknsey	DI
June	Di Data Sheet	DI
June	Di Invoice Summary	DI
June	Di Invoices Summary	DI
June	Digital Invoicing ST UN REGISTERED BUYER NOV - 25 TO APR - 2026	DI
June	Digital Invoicing Total Registered, Integrated & Sandbox Invoicing With Total Active Person	DI
June	RE: DI Production Token and Sandbox Data- Urgent	DI
June	RE: Request for Data	DI
June	RE: Request for DI data di Invoice Vs STR Invoices may 2026	DI
June	RE: Request for DI data di Invoices	DI
June	RE: Request for Updated information/ Data	DI
June	RE: Sales Tax Returns for Jul 2026 vs DI Returns	DI
June	Sales Tax & Di Registered Total Cases UpTo 30 Jun 2026	DI
June	Sales Tax Invoices Vs Digital Invoices Comparison	DI
June	ST UN REGISTERED BUYER DI INVOICES NOV - 25 TO APR - 2026	DI
June	ST UN REGISTERED BUYER DI INVOICES NOV - 25 TO APR - 2026 for the month of May- 2026	DI
June	Tax Office wise DI Invoices	DI
June	Updated data of importers as on 12/07/2026- Urgent Please	DI
June	Updated DI Status from 01/07/2025 to 30/06/2026	DI
June	Weekly DI Invoices for Sales Tax Returns for Jul 2026	DI
June	Weekly DI Invoices Summary Up 30 Jun - 2026	DI
June	List of the top 100 cases for Companies, AOPs, and Individuals selected for Withholding Tax Audit under Section 161 of the Income Tax Ordinance, 2001, categorized by turnover TY 2025	Income Tax
June	Slab wise Net Tax Chargeable Filers Salaried Individual & Non Salaried Individual TY 2025	Income Tax
June	236C & 236K Reg Un-Reg Filers Non Filers TY-2024 & TY-2025 With Transaction Summary Report	Income Tax
June	Banks & Non Banks IT Returns TY-2025 Total Income Taxable Income Tax Chargeale Admited Tax etc	Income Tax
June	Cash On Delivery Courier Service And Digital Means Us 153(2A)	Income Tax
June	Cateory Wise Taxable Value On 236C & 236K 50M to 100M & 100M Plus & Their Income Tax Returns TY-2025 Info	Income Tax
June	Corporate Farming Income Tax Returns TY-2025	Income Tax
June	Data Required – High Value Non-Filers (TY-2025)	Income Tax
June	Data Required – High Value Non-Filers (TY-2025)	Income Tax
June	DNFBP - Provision of monthly data	Income Tax
June	Doctors Income Tax ATL & Reg Status Cases Given	Income Tax
June	FATA PATA IT Returns TY-2025 & ST Returns July-2024 To Apr-2026 Tax Period Wise Cases Given	Income Tax
June	High Tax Earning 4C Or Super Tax Income Tax Returns TY-2025	Income Tax
June	Incident Report relating to unknown/unauthorized/automated issuance of DNFBPs registration orders on IRIS	Income Tax
June	Income Tax Arrears Stock Summary Report For IMF	Income Tax
June	Income Tax Return Of Corporate Farming TY 2025 Total Cases & Total Tax Paid	Income Tax
June	Income Tax Returns Of Small And Medium Enterprises (SMEs) TY-2021 To TY-2025	Income Tax
June	IT Returns TY-2024 Vs TY-2025 Fast Moving Consumer Goods Value And Tax Minimum Tax 113 @ 0.25% And 153(1)(a) Tax @ 0.25%	Income Tax
June	List of cases of Builders of MTO Karachi (Zone-IV & Zone V) for Withholding Audit u/s 161	Income Tax

June	List of Top 20 Cases of Companies, AOPs, and Individuals Selected for Withholding Tax Audit under Section 161 of the Income Tax Ordinance, 2001, on the Basis of Turnover (Revised)	Income Tax
June	Minimum Tax U/S 113 0.25% TY 2024-25 & 2025-26	Income Tax
June	Notice Order & Demand Created Againts Given Cases By Raja Azeem Shaukat	Income Tax
June	Notice Order & Demand Created Againts Given UK NRL Cases By Raja Azeem Shaukat	Income Tax
June	Penalties Imposed Income Tax U/S 182 Sales Tax 33, 11F FED 19	Income Tax
June	Provision of Data	Income Tax
June	Provision of information for meeting with Honorable DG	Income Tax
June	RE: Provisions of Top 50 Cases of Companies / AOP / Ind Turnover Basis of Tax Year 2025 of Manufacturing Taxpayers Working in the Erstwhile FATA / PATA of Khyber Pakhtunkhwa (KP)	Income Tax
June	RE: Request for Verification of Beneficiary Income Status - Batch # 3	Income Tax
June	Real Estate Agents, Builders & Developers Declaring Capital Gains- Income Tax Returns & Payments	Income Tax
June	Refineries & Oil Marketing Companies OMCs Gross & Net Sales From ST & IT Returns FY-2024-25 & Income Tax Us 156A	Income Tax
June	Request for provision of information	Income Tax
June	Request for provision of information	Income Tax
June	Slabs Wise Income Tax Return Taxable Income & Net Tax Chargeable Yt 2025	Income Tax
June	Taxpayer Category Wise Declaring Turnvover 100M to 200M With Withholding Tax From Payments for TY-2024 & TY-2025	Income Tax
June	Turnover Income Tax Returns TY-2025 of AOPs & Companies FATA-PATA	Income Tax
June	verification of return filing attempts-system logs required	Income Tax
June	AGPR AUDIT IT RETURNS TY 2024 SCRIPT & All LTO Data	Income Tax
June	Category Sector & Activity Wise Income Tax Returns TY-2025 Turnover-Tax Chargeable Us 113 @0.25%	Income Tax
June	COY IT Returns ePortal and IRIS 2008 to 2025	Income Tax
June	Exporters 4C Super Tax Turnover Slab Wise With 4C Orders & Amount	Income Tax
June	Exporters Having Taxable Income Above 300M IT Returns TY-2025	Income Tax
June	Exporters Having Taxable Income Above 500M IT Returns TY-2025 With Local & Exports Sales	Income Tax
June	Exporters Having Taxable Income Less Than 500M IT Returns TY-2025 With Local & Exports Sales	Income Tax
June	Incident Report relating to unknown/unauthorized/automated issuance of DNFBPs registration orders on IRIS	Income Tax
June	Income Tax Arrears Stock Summary Report For IMF For May 2026	Income Tax
June	Income Tax Return - Data for AGP Audit TY 2021 TO 2025	Income Tax
June	Income Tax Returns TY 2007 TO 2012 All Column	Income Tax
June	INCOME TAX RETURNS TY 2024 TY-2025 - AOP REPORTING TURNOVER EXCEEDING PKR 300 MILLION WITH FINAL ACCOUNTS ATTACHED FLAG AOP & COY Audited Account PDF Attached or Not	Income Tax
June	Iris Activity Taxpayer Type & Sector Wise High Tax Earning 4C Or Super Tax Income Tax Returns TY-2025	Income Tax
June	IT Returns For Companies All Columns Complete Data For TY-2025 Important Query	Income Tax
June	IT Returns TY-2025 Taxable Income & Tax Chargeable Slab Wise Summary	Income Tax
June	Jewellers DNFBPS	Income Tax
June	POS Tier-1 & Retailers As Per IT Returns TY-2024 Vs 2025	Income Tax
June	Prepare Income Tax Return Script for AGP Audit Purpose & Data Prepare for All LTO TY 2025	Income Tax
June	Province Wise Agriculture Income & Tax TY-2025 Summary Report	Income Tax
June	Provision of Data	Income Tax
June	Provision of Data of Builders & Developers and Details of Orders Passed under Section 161 of the Income Tax Ordinance, 2001	Income Tax
June	Real Estate Agents, Builders & Developers Declaring Capital Gains	Income Tax
June	Real Estate Agents, Builders & Developers Declaring Capital Gains Income tax returns & 236K & 236C Payments Against Activity Codes 681000 and 433000	Income Tax
June	Request for Data for MPR	Income Tax

June	Request for Provision of data.	Income Tax
June	Request for provision of information	Income Tax
June	Salary Slab Wise Summary of Income Tax Returns TY-2025	Income Tax
June	Slab Wise Income Tax Returns TY-2025 For Company Bank Non Bank E&P	Income Tax
June	Steel Sector AOPs IT & ST Returns TY-2025 Main Columns	Income Tax
June	Surcharge On High Earning Person Under Section 4AB IT Returns TY-2025	Income Tax
June	Tax Office Wise Agriculture Income Declared In IT Returns TY-2021 To TY-2025 Summary	Income Tax
June	Tax Office Wise IT Returns Total Filers Payers Notices Us 137 138 & 140 TY-2024 Vs 2025	Income Tax
June	Addition of Email of all DNFBPs Population	Income Tax
June	Appeals Filed Against Dnfbp	Income Tax
June	BTB Nudging Data Set	Income Tax
June	Builders and Developers - Dnfbp Statuses	Income Tax
June	Document from Hani Fa Abbasi	Income Tax
June	Evacuee Trust Property Board Return & Exemption certificates	Income Tax
June	FW: Please Provide for TY-2025-26	Income Tax
June	FW: Request for Income Tax and Sales Tax ATL Filers and Registered Persons Data	Income Tax
June	Income Tax Return Script TY 2025 & 2026	Income Tax
June	Income Tax Return ty 2026	Income Tax
June	Income Tax Return TY-2023 - Qasar Nadeem CNIC 3420116526089 - I&I 298	Income Tax
June	Income Tax Returns 29 - 07 - 2026	Income Tax
June	Income Tax Returns TY-2024 & TY-2025 AOPs Having Turnover Above 300M With Final Accounts Attached Flag	Income Tax
June	Income Tax Returns Whole Column Script for IGPR Audit For TY 2021 to 2025	Income Tax
June	IT Registerd & Filers	Income Tax
June	IT Returns	Income Tax
June	IT Returns TY-2025 Total First Time One Year Two Year Three Year Filers & First Time Payment Nil & BTL Filers Summary	Income Tax
June	List of Filers for SIMs restoration	Income Tax
June	No. 3(3) Secy/Faciliation-PR/2023(VOLL-2)-0001	Income Tax
June	Provision of Data	Income Tax
June	Provision of Data from 2019 to 2025	Income Tax
June	Provision of Monthly data.	Income Tax
June	Provision of OSMQ data till date	Income Tax
June	Re:	Income Tax
June	RE: Income Tax Returns -- Company Cases Added	Income Tax
June	RE: Income Tax Returns 29 - 07 - 2026 2nd time	Income Tax
June	RE: Income Tax Returns 30 - 07 - 2026	Income Tax
June	RE: Income Tax Returns 31 - 07 - 2026	Income Tax
June	RE: Provision of Data	Income Tax
June	Script prepared for Income Tax Returns for Income tax Daily report	Income Tax
June	Script Prepared For RE: Income Tax Return - Data for AGP Audit Last 5 years 2021 TO 2025	Income Tax
June	TY-2025 & TY-2026 Data	Income Tax
June	WB – IRS/PRAL Meeting– BTB Pharmacists Intervention	Income Tax
June	Taxpayer With EI Details And LogIn History January-2020 Onwards	Other
June	25(1) Notice & Order 11E In Tax Period 2025	Other

June	Appeal Us 127(4) Registration No-1730188678801	Other
June	DGI&P Projects Month Wise Transactions Summary January-2026 Todate	Other
June	Formation-Wise Book Adjustment	Other
June	MONTH WISE TAX COLLECTION OF COMPANIES REGISTERED WITH CTOs	Other
June	Notice Issued Through IRIS Pakistan Petroleum Limited NTN - 0711545	Other
June	Notices Us 140 Tax Office Wise Currect Year	Other
June	Tax Payerwise WHA -2025	Other
June	ST All Annex A TO J Data for AGP Audit	Other
June	Mark NTN AnchorPerson	Other
June	Modification History - PRA	Other
June	PRA Data	Other
June	Provision of Email Addresses and Contact Numbers of Companies	Other
June	RE: Income Tax Return - Data for AGP Audit	Other
June	RE: IT RETURNS Script ty 2026	Other
June	RE: PRA	Other
June	RE: RE ST Profile TY Jul-2022 to -Jun - 2026 Data for AGP Audit	Other
June	Monthly PDL & CSL GD Wise for the Month Of APR - 2026	Payments
June	236C & 236K Having Single Transaction Taxable Value 50M To 100M & 100M Above Summary FY-2024-25 & FY-2025-26 (April)	Payments
June	Daily PDL Payment Month Wise 01-07-2025 And 14-05-2026	Payments
June	Daily Di Invoice Domestic & Import Payments 01-07-2025 AND 14-05-2026	Payments
June	Daily PDL Domestic & Import Payments	Payments
June	Daily PDL Payments	Payments
June	Daily PDL Report PDL Domestic & Import Payment	Payments
June	Franchise Services ST Paid Provinces SRB KPKPR PRA & BRA Wise Jul-2025 To April-2026	Payments
June	FW: PDL Collection and PDL Rates with Quantity for Jul 2024 to April 2026	Payments
June	Income Tax Return U/s 153(1)(a) FOR FMCG Sector TY 2024 VS 2025	Payments
June	IT Export U/s 154A TY 2024-25 & 2025-26	Payments
June	IT Exports At 0.25% Us 154A & 154 FY-2024-25 & FY-2025-26 Upto April	Payments
June	IT ST FE Payments Nam Code Nature & Type Wise April-2026 Sample Data	Payments
June	PDL Payment as on 19 May	Payments
June	PDL Payment Month Wise 01-07-2025 And 11-05-2026	Payments
June	PDL Payment Month Wise 01-07-2025 And 12-05-2026	Payments
June	PDL Payment Month Wise 01-07-2025 And 13-05-2026	Payments
June	Pdl Payment Month Wise 01-07-2025 And 21-05-2026	Payments
June	Pdl Payment Month Wise 01-07-2025 And 24-05-2026	Payments
June	PDL Payment Month Wise 01-07-2025 And 30-04-2026 On 04 April 2026	Payments
June	PDL Payment Month-wise	Payments
June	PDL Payments	Payments
June	PDL Payments as on 17 May 2026	Payments
June	PDL Payments as on 18 May	Payments
June	Police Welfare Fund IT Payments As Withholdy July-2024 Onwards	Payments
June	Provision of script for Payments	Payments
June	RTO Rawalpindi Agent Withholdy CPR & Date Wise Payment Us 236C & 236K From July-2024 To March-2026	Payments

June	Section & Description Wise WHT FY-2024-25 & FY-2025-26 (Up to Apr-2026)	Payments
June	Sector Wise Demanded Income Tax Collection July-2022 To April-2026 Financial Year	Payments
May	Sector Wise Demanded Income Tax Collection TY 2022-23 To 2025-26	Payments
May	STWH On Digitally Ordered Goods	Payments
May	TAX Collected U/S 236Z TY 2023-24 TO Till Date	Payments
May	Request for Withholding Sales Tax Payment Details of FTN Holders	Payments
May	236C & 236K NAM CODE B01770	Payments
May	British Council - ST Paid TY 2024-25 & 2025-26 All provance	Payments
May	C.No. DD-III/5126	Payments
May	Capital Gains On Securities Us 37A Jul-2025 Tildate	Payments
May	CLIMATE_SUPPORT_LEVY & PETROLEUM_LEVY Report From July 2025 to 12 Jun-2026	Payments
May	Collection US153 By RTO Lahore TY Jul-2025 to Jun-2026	Payments
May	Data Request in High Court Case	Payments
May	Details Against Given Two CPRs	Payments
May	FATA-PATA Collection Domestic Import July-2025 ToDate	Payments
May	FW: URGENT: Request for Data in Time Barred High Court Case Section Wise Taxable Amount & Tax Amount TY 2004 To 2012	Payments
May	FW: WITHHOLDY WISE INCOME TAX COLLECTION U/s 153(1)(b) - JULY-2025 TO MAY-2026	Payments
May	Income Tax Payment Data TY 2025	Payments
May	Income Tax Payment With All Section TY Jul2007 to Dec 2012	Payments
May	Income Tax Payments Us 153(1)(b) Withholdy Section Wise Value & Tax July-2025 To May-2026	Payments
May	IT Payments 236k	Payments
May	Month Wise Us 153 Collection Reported By RTO Lahore Jul-2025 ToDate	Payments
May	NAM Code Wise 236k & 236C OF Withholding Payments	Payments
May	PDL & CSL GD Wise for the Month Of MAY - 2026	Payments
May	Pdl Payment Month Wise 01-07-2025 And 01-06-2026	Payments
May	PDL PAYMENT MONTH WISE 01-07-2025 AND 03-06-2026	Payments
May	PDL PAYMENT MONTH WISE 01-07-2025 AND 04-06-2026	Payments
May	Pdl Payment Month Wise 01-07-2025 And 07-06-2026	Payments
May	PDL Payment Month Wise 01-07-2025 And 08-06-2026	Payments
May	PDL Payment Month Wise 01-07-2025 And 09-06-2026	Payments
May	Pdl Payment Month Wise 01-07-2025 And 11-06-2026	Payments
May	Pdl Payment Month Wise 01-07-2025 And 14-06-2026	Payments
May	Pdl Payment Month Wise 01-07-2025 And 15-06-2026	Payments
May	Pdl Payment Month Wise 01-07-2025 And 16-06-2026	Payments
May	Pdl Payment Month Wise 01-07-2025 And 17-06-2026	Payments
May	Pdl Payment Month Wise 01-07-2025 And 18-06-2026	Payments
May	Pdl Payment Month Wise 01-07-2025 And 21-06-2026	Payments
May	Pdl Payment Month Wise 01-07-2025 And 22-06-2026	Payments
May	Pdl Payment Month Wise 01-07-2025 And 23-06-2026	Payments
May	Pdl Payment Month Wise 01-07-2025 And 24-05-2026	Payments
May	PDL Payment Month-wise 01-07-2025 and 29-06-2026	Payments
May	Prepare Income Tax Payment Script for AGP Audit Purpose & Data Prepare for All LTO TY 2025	Payments

May	Provision of Collection Deployed in PRAL's Collection Dashboard Received from PITB and RTO Islamabad (collected by ETO Islamabad)	Payments
May	RE: Provision of Collection Deployed in PRAL's Collection Dashboard Received from PITB and RTO Islamabad (collected by ETO Islamabad)	Payments
May	Request for Data	Payments
May	Request for Withholding Sales Tax Payment Details of FTN Holders From July-2025 To 15-Jun-2026	Payments
May	Request for Withholding Sales Tax Payment Details of FTN Holders TY JAN-2026 TO MAY-2026	Payments
May	Section Wise IT Payments Us 154 & 147(6C) FY-2024-25	Payments
May	Slab Wise Imcome Tax Payments Us 236C & 236K FY-2024-25 & FY-2025-26 (May)	Payments
May	ST Payments Company & Sector Wise April To June 1-18 & Full Month of Due Tax Period Summary & Details	Payments
May	Steel Sector Individuals & AOPs Agent Wise Tax Deducted Us 153(1)(a) July-2025 To May-2026	Payments
May	Verification of CLIMATE_SUPPORT_LEVY and PETROLEUM_LEVY TY 2025-26	Payments
May	Withholding Payment Report May 26 | AJK	Payments
May	Pdl Payment Month Wise 01-07-2026 And 02-07-2026	Payments
May	Pdl Payment Month Wise 01-07-2026 And 12-07-2026	Payments
May	Pdl Payment Month Wise 01-07-2026 And 13-07-2026	Payments
May	Audit Orders & Demanded Created For IMF 122 122(5A) 161 And Penalties Us 182 For FY-2023-24 To FY-2025-26	Payments
May	Brought/Carry Forward | 202406 to 202606	Payments
May	Data Prepared for pdl & csl	Payments
May	e payments data of section 236C and 236K	Payments
May	FATA PATA Cases-Information and their Revenue Impact FY 2025-26	Payments
May	Income tax withheld us wwf & wppf TY 2025-26	Payments
May	IT Payments & Registration Table Update	Payments
May	IT Payments Domestic July-2026 & RTO-I Karachi Payments Verification	Payments
May	IT Payments Tax_Office_Col Column Updated	Payments
May	IT PAYMENTS TY Jul-2025 TO Jun - 2026	Payments
May	Necessary Reconciliation and Update of Dashboard Figures – Bounced Back Sales Tax Refund Payments (FY 2025–26)	Payments
May	Pdl Payment Month Wise 01-07-2025 And 30-06-2026	Payments
May	Pdl Payment Month Wise 01-07-2026 And 06-07-2026	Payments
May	Pdl Payment Month Wise 01-07-2026 And 07-07-2026	Payments
May	PDL PAYMENT MONTH WISE 01-07-2026 AND 08-07-2026	Payments
May	PDL PAYMENT MONTH WISE 01-07-2026 AND 09-07-2026	Payments
May	Pdl Payment Month Wise 01-07-2026 And 14-07-2026	Payments
May	Pdl Payment Month Wise 01-07-2026 And 15-07-2026	Payments
May	Pdl Payment Month Wise 01-07-2026 And 16-07-2026	Payments
May	Pdl Payment Month Wise 01-07-2026 And 19-07-2026	Payments
May	Pdl Payment Month Wise 01-07-2026 And 20-07-2026	Payments
May	Pdl Payment Month Wise 01-07-2026 And 21-07-2026	Payments
May	Pdl Payment Month Wise 01-07-2026 And 22-07-2026	Payments
May	Pdl Payment Month Wise 01-07-2026 And 23-07-2026	Payments
May	Pdl Payment Month Wise 01-07-2026 And 27-07-2026	Payments
May	Pdl Payment Month Wise 01-07-2026 And 28-07-2026	Payments
May	Pdl Payment Month Wise 01-07-2026 And 29-07-2026	Payments
May	Pdl Payment Month Wise 01-07-2026 And 30-07-2026	Payments

May	PDL PAYMENT MONTH WISE and Transaction wise Data from 01-07-2025 AND 31-03-2026	Payments
May	PDL Payment Month-wise 01-07-2026 AND 05-07-2026	Payments
May	Provision of Data	Payments
May	RE: Provision of Month-wise Challans/Transactional Data of Tax Collection of FBR maintained by PRAL w.e.f. 1st July 2025 to 30th June 2026	Payments
May	RE: Request for Sector Wise Climate Support Levy Data	Payments
May	Request for Transaction wise Data Collected Under Section 236C and 236K for FY 2025-26 and FY 2024-25	Payments
May	Retailers Us 236H Aggregate Purchases Exceeds Two Hundred Million For FY-2025-26 Data In Given Format	Payments
May	Retailers Us 236H Aggregate Purchases Exceeds Two Hundred Million For FY-2025-26 Data In Given Format	Payments
May	SUGAR MANUFACTURERS - ST & FE PAID AS PER DOMESTIC PAYMENTS	Payments
May	SUGAR MANUFACTURERS - ST & FE PAID AS PER DOMESTIC PAYMENTS Oct 2023 To Nov-2024	Payments
May	Sugar Payment Month Wise	Payments
May	Wholesalers Us 236G FY-2024-25 Taxable Income 200M And Above Reg UnReg And InValid Cases Summary	Payments
May	Wholesalers Us 236G IT ST FE CD Tax Contribution FY-2025-26	Payments
May	Withholding Tax Withheld By Agents FY-2025-26 Against CNIC-3420103575816	Payments
May	Provisioning of data regarding integrated registered person of POS	POS
May	POS Branch POS Date Wise Table Script	POS
May	POS Branch Wise Registered & Inovices Dec-2022 To April-2026 - Prepared As Per The Required Format	POS
May	POS Registration & Invoices - Branch & Machine Wise Summary Dec-2022 ~ Apr-2026	POS
May	RE: PROVISION OF INFORMATION IN RESPECT OF CASES INCLUDED IN THE DATA REQUISITIONED FROM BANKS	POS
May	Registration data of Beverages and Food Sector	POS
May	Spring Stores Private Limited POS Data From July-2021 To April-2025	POS
May	Case "FBR-3844388-C5B1Y8 has been assigned to you. Kindly login to Microsoft Dynamics CRM to view details of REQUEST FOR PRODUCT WISE SALES DATA OF M/S. SPRINGS STORES (PVT) LIMITED-NTN: 7149799 TAX PERIODS JULY 2021 RO APRIL 2025-POS INFORMATIONThis ca	POS
May	Spring Stores Private Limited POS Data From July-2021 To April-2025 on Given PCT Codes	POS
May	Taxpayer Wise Total Pos Registered Integrated & Their Total Branches Total Pos Install & Active & Inactive Pos Machine	POS
May	FW: Fact Check Required - Flagged Deleted Invoice Records	POS
May	Provision of Information Related to Point of Sale (POS)	POS
May	Provision of Information Related to Point of Sale (POS) - I am directed to refer to the subject cited above and to request that the following information relating to the Point of Sale (POS) System may kindly be provided by 14.07.2026 for onward transmissi	POS
May	Business Activity Change	Registration
May	Complaint No. FTO-06167/KHI/ST/2026-Complaint bt Mr. Jaced Akhtar (Holding NTN No. 7170567) -Regarding misuse of IRIS portal fraudulent filing of sales tax return	Registration
May	Data Request by Directorate of I&I	Registration
May	Doctors Income Tax ATL & Reg Status Cases Given - Date of Birth & Age Details	Registration
May	Jurisdiction change details required regarding-3804107	Registration
May	M/S Faisal Brothers Ntn 1439442-1	Registration
May	Major Jurisdiction Change Log	Registration
May	Major Jurisdiction of Case NTN:- 3520115853225	Registration
May	Month-Wise Income Tax Collection For The Month Of May & June 2025 In Respect Of Cases Transfered After 01.07.2025	Registration
May	POC Holders' Details	Registration
May	Provision of Details of Directors/Members of AOPs and Companies Along with NTNs Belonging to FATA/PATA	Registration
May	Provision Of Information In Respect Of Cases Included In The Data Requisitioned From Banks	Registration
May	Re: Provision of Details of Directors/Members of AOPs and Companies Along with NTNs Belonging to FATA/PATA	Registration

May	Registration Business Name IT ATL Status Cases Given	Registration
May	Registration data of Beverages and Food Sector	Registration
May	Registration Profile of Ms Lucky Electric Power Compnay CRM-FBR-3815808-V8Q6Z0	Registration
May	Required Details	Registration
May	Residential and Permanent Addresses of the individuals belonging to FATA/PATA	Registration
May	Tax Year wise IT and ST Reg and Filers	Registration
May	11E Notices and Order	Registration
May	Arsalan Adam CNIC - 1730188678801 Cell No	Registration
May	Detail of Intermediary Login History FBR-3848333-Z5Y0S1	Registration
May	Jurisdiction Change Details	Registration
May	Month Wise Collection of Cases Transferred from July-2025 to May-2026	Registration
May	Need ST Registration Status For Given NTN	Registration
May	NTN Updation Saazgar	Registration
May	Please Provide email Address For POS Registered Taxpayer Whose declared in fbr Registered	Registration
May	Provision of Exemptions Data U/S 159(1) / 148	Registration
May	Provision Of Information In Respect Of Cases	Registration
May	RE: Provision of Details of Directors/Members of Win Pipe Industries (Private) Limited (Reg No. 0657132).	Registration
May	Request for Sector-Wise Contact Data of manufacturers, imports etc for Digitial Eye Video Production Monitiring Solution Implementation/58072-R	Registration
May	Require Reg Types	Registration
May	Addition of NTN number in these sheet attached	Registration
May	Data of DPMS on the Basis of Principle activity in form 181	Registration
May	Embassy & Consulate Of Same Country Exits In FBR Registration Verification	Registration
May	Fia Request For Technical Record	Registration
May	FTN Holders' details	Registration
May	il & Ghee Sector Caes Profile With CIR Name ,ACIR Name & ADCIR Name	Registration
May	Incomplete Taxpayer Information	Registration
May	Incomplete Taxpayer Information & Manually Maintained Excel CR	Registration
May	Juices infromation	Registration
May	Mark NTN & Jurduction RE: Juices infromation	Registration
May	Office Formation	Registration
May	PFA the sheet containing the list of recipients who have received the relevant SMS messages. The attached file contains multiple sheets, each corresponding to a specific treatment arm.	Registration
May	RE: WB – IRS/PRAL Meeting– BTB Pharmacists Intervention	Registration
May	Registration Profile	Registration
May	Request for Income Tax and Sales Tax ATL Filers and Registered Persons Data	Registration
May	Request for information of current Jurisdiction of Taxpayer	Registration
May	The following information is urgently required:i) FTN of the Prime Minister's Office.ii) FTNS issued separately for initiatives/programs of the Prime Minister's Office (if any).	Registration
May	Annex-C of Ms Cybernet for Lot-02, Lot-04, Lot-5 & Lot-7 against tender No. 1(43)SS(IT)/2024	Sales Tax
May	Data Export (Annex-A & C)	Sales Tax
May	OMC's - ST Returns - Annex C - July-2023 To April-2026	Sales Tax
May	Steel Sector Data Required (Urgent By Tomorrow) Annex A,B,C& K	Sales Tax
May	STEEL SECTOR DATA REQUIRED ST Returns & Annex A,B,C & K TY 2024-25	Sales Tax
May	Attock Refinery Limited - ST Returns & Annex ABC - July-2023 Onwards	Sales Tax

May	Cnergyico Isomerate Pk (Private) Limited ST Returns July-2024 To March-2026 NTN-7170315	Sales Tax
May	Data Request by Directorate of I&I SRB Sale Tax Return & Payments	Sales Tax
May	DI Integrated seller ST Returns Anonymized Data for Tax Period november 2025 to march 2026	Sales Tax
May	Forwarding Of Complaint Regarding Unauthorized Access/ Misuse Of Iris Login Id M/S Imperial Towel Industries (Pvt) Ltd	Sales Tax
May	FW: Data Request by Directorate of I&I- Sales Tax Returns & SRB Payments	Sales Tax
May	FW: Verification of Annex-C of Ms Cybernet for Lot-11 Data (October to December, 2025) against tender No.1(95)SS(IT)/2022	Sales Tax
May	Hybrid Vehicles Local Sales FY-2024-25 & FY-2025-26	Sales Tax
May	Income Tax and Sales Tax Return Information	Sales Tax
May	M/s Pak Agro Oil Mills Pvt Ltd (NCCIA Karachi)	Sales Tax
May	Misuse of Iris Credentials in the Case of Mr. Attiq ur Rehman Rana, Properitor "Canada Trading Access" Case No. 03506/LHR/ST/2026	Sales Tax
May	Ms Cybernet SRB Invoices From July-2025 Onwards	Sales Tax
May	Oil Refineries & OMC's ST Annex C & J Items Rate UOM Wise Sales July-2024 to Apr-2026	Sales Tax
May	OMC's - ST Returns - Annex AB - July-2023 To April-2026	Sales Tax
May	OMCs Annex C Data	Sales Tax
May	Pending Requirements and Clarifications – Digital Invoicing Project	Sales Tax
May	POS Integrators Sector-Wise ST Penalties from July 2025 to March 2026	Sales Tax
May	POS Vs ST Returns Sales Of Jul-2025 Of Given Cases Mismateched	Sales Tax
May	PRA - Annex C - Budget Expenditure	Sales Tax
May	PRA - Annex C - Budget Expenditure TY 2025-26 HS Code & Rate wise & Code Description Wise Reduce sale vale	Sales Tax
May	PRA - Complete ST Returns TY Jan - 2024 TO March 2026	Sales Tax
May	PRA Annex A,B & Annex C TY 2024 TO 2026	Sales Tax
May	PRA Telecom Annex ABC Summary As Per Given Format For Tax Period January 2024 to April 2026	Sales Tax
May	RE: Provision of Sales Tax Expenditure Data for TY 2021-22 to TY 2022-23 And 2023-24	Sales Tax
May	RE: Provisions of Top 50 Cases of Companies / AOP / Ind Turnover Basis of Tax Year 2025 of Manufacturing Taxpayers Working in the Erstwhile FATA / PATA of Khyber Pakhtunkhwa (KP)	Sales Tax
May	RE: Verification of Annex-C of Ms Cybernet for Lot-11 Data (January to March, 2026) against tender No.1(95)SS(IT)/2022	Sales Tax
May	RE: Verification of Annex-C of Ms Nayatel for Lot-06 (September, 2025 to April, 2026) against tender No. 1(43)SS(IT)2024	Sales Tax
May	Registered Buyer of Di Integrated Seller Anonymized ST Returns For tax period november 2025 to march 2026	Sales Tax
May	Returns of Faraz Packages and Nadir Traders	Sales Tax
May	Sales Tax ATL Status	Sales Tax
May	Sales Tax Normal Filers For July-2025 To Feb-2026 DI Implementation Status	Sales Tax
May	Sales Tax of Annex C PSO Hs Code 2710H For TY Jul-2023 to Apr-2026	Sales Tax
May	Sales Tax Returns Data Of Given Cases With Format July-2023 To April-2026	Sales Tax
May	Sales Tax Returns FY-2024-25 Local Sales & Tax With DI Reg Flag All Filers For Mckinsey	Sales Tax
May	SINGLE SALES TAX RETURNS TY 2024-25	Sales Tax
May	SRO Wise sale tax Exemption of Annex C of Given SRO TY 2024-25	Sales Tax
May	ST Active Taxpayers List April -2026	Sales Tax
May	ST Returns IRIS - PRA	Sales Tax
May	ST Returns Normal filer Tax office Wise On DI Implemention Status Sajal Tariq	Sales Tax
May	ST Returns With All Annex of 4 Refinery TY 2023-24 to onword	Sales Tax
May	Steel Sector Data Required (Urgent By Tomorrow) Ty Jun-2024 To March 2026	Sales Tax
May	Steel Sector Information Required	Sales Tax

May	Steel Sector Information Required (Urgent) For Annex A,B,C & K And Annex C For DESCO	Sales Tax
May	Steel Sector Information Required With Annex A,B,C,K,Desco For Annex C (Urgent) Nov 2025 Till Mar 2026	Sales Tax
May	Verification of Annex-C of M/s Cybernet for DNS Services	Sales Tax
May	Verification of Annex-C of M/s Cybernet for OTC Invoices (One Time Cost) against different tender	Sales Tax
May	Analysis Of DI Saller & Buyer Sales Value With ST Return Sales	Sales Tax
May	Provision of Data - Metro Pakistan Limited	Sales Tax
May	Annex A & Annex C of Nestle Pakistan Pvt TY Jul-2008 to Jun - 2016	Sales Tax
May	Annex A & C of Metro Pakistan Limited TY Jul-2024 to Sep-2025	Sales Tax
May	Annexure ABC and H of the Cases	Sales Tax
May	Anonymized Data Sales Tax Returns For April 2026	Sales Tax
May	Clarification of Annex A and Annex C to Miss Haneen About Annex C ty 2008 to 2011 & 2011 to 2016 Taxpayer invoice	Sales Tax
May	DI Integrated Taxpayer's ST Returns FY-2025-26 July-April Sector Wise Summary & Details	Sales Tax
May	From FBR Invoice Claim to PRA Rather then SSTR TY Jul-2024 to Jun-2026	Sales Tax
May	FW: ST RETURNS OIL & GHEE WITH SECTION 8B only exclusion YES CASES	Sales Tax
May	List of Exporters Having Exports As Per ST Returns Above 500M FY-2024-25	Sales Tax
May	Pending Requirements and Clarifications – Digital Invoicing Project Tax Period Jan,Feb & March 2026 Each 5000 Record	Sales Tax
May	PRA - Complete ST Returns	Sales Tax
May	PRA Annex C for All Telcos For Jan - 2024 to Mar-2026	Sales Tax
May	PRA Registration and ST Returns	Sales Tax
May	Prepare BRA Sales Tax Returns Script & Handover To Mr Zia	Sales Tax
May	Prepare PRA Annex A,B,C,&D Script And handover to Mr Qasir Mushtaiq	Sales Tax
May	Prepare PRA Sale Tax Returns Complete Script	Sales Tax
May	Prepare PRA Sale tax Returns Script & Handover to Qaisar Mushtaiq	Sales Tax
May	Prepare Sales Tax Return Script- for AGP Audit	Sales Tax
May	Prepare Withholdee & Agent Payment & Sale tax Returns Script	Sales Tax
May	Production Statement Of Annex J of Tobacco Sector TY 202507 TO 202604	Sales Tax
May	Production Statement Of Tobacco Sector For Last 3 Years TY Jul-2023 to April - 2026	Sales Tax
May	Provision of Data - Metro Pakistan Limited-TY Jul-2024 To Sep-2025	Sales Tax
May	Rate Wise Annex C FY-2024-25 & ST Paid	Sales Tax
May	RE: Data for Digital Invoicing (DI) Implementation Status field formation wise	Sales Tax
May	RE: DATA IMPORTERS REQUIRED (DI monitoring/enforcement)	Sales Tax
May	RE: DATA IMPORTERS REQUIRED (DI monitoring/enforcement) With Total Invoice & DI Sales Values	Sales Tax
May	RE: DI Invoices Weekly Report 03-06-2026	Sales Tax
May	RE: Pending Requirements and Clarifications – Digital Invoicing Project	Sales Tax
May	RE: Provision of Data - Metro Pakistan Limited	Sales Tax
May	RE: Real Estate Agents, Builders & Developers Declaring Capital Gains	Sales Tax
May	RE: RTOQTA - IDENTIFICATION OF TAMS CASE NUMBER AGAINST TAMS BARCODE ON ASSESSMENT ORDER	Sales Tax
May	RE: Urgently required- Data of importers	Sales Tax
May	Reason for Revision of Return in PRA - Comments table IRIS_PRA	Sales Tax
May	Revised Sales Tax Return - PRA	Sales Tax
May	Single Sales Tax Return PRA - Telco and PTCL	Sales Tax
May	SSTR DATA	Sales Tax

May	SSTR Data For All Provinces	Sales Tax
May	ST Active Taxpayers List May-2026	Sales Tax
May	ST RETURNS OIL & GHEE WITH SECTION 8B TY 202507 TO 202604	Sales Tax
May	Telcos & PTCL Annex A From Single ST Returns Complete	Sales Tax
May	Withholding Sales Tax Payment Details of FTN Holders Jan 2026 To 3 Jun - 2026	Sales Tax
May	The data presented in the DI Implementation Status pertains to Sales Tax Returns for the tax periods from July 2024 to May 2026. The identified cases were examined to determine whether they have been integrated into the Digital Invoicing (DI) system.	Sales Tax
May	DI & Sales Data	Sales Tax
May	INFORMATION STEEL SECTOR REQUIRED URGENT	Sales Tax
May	AGPR Audit ST Profile Column Mapping	Sales Tax
May	Annex A & C of Stationary cases	Sales Tax
May	Annex C Submission	Sales Tax
May	Anonymized Data Sales Tax Returns for Jul 2026	Sales Tax
May	ATL for the month of For The Month Of Jun-2026 from 01 Jul 2026	Sales Tax
May	Automate Digital Invoice Summary Report and Develop BI Dashboard	Sales Tax
May	Can you please let us know how many of these refineries and OMCs have filed Annexure C and Annexure L of the Sales Tax Return	Sales Tax
May	Data Request: DI & Sales Data	Sales Tax
May	DI Integrated Seller Sales Tax Returns For The Month of May - 2026	Sales Tax
May	FBR Approved List of Steel Suppliers Buyers EFS license Holders & HS Codes	Sales Tax
May	Field Formation-wise DI status as of 30/06/2026	Sales Tax
May	for the tax period from July 2025 to May 2026, the invoice sale values and sales tax amounts reported through DI were compared with the corresponding figures declared in the Sales Tax Returns.	Sales Tax
May	HS Code wise Annex A & C Summary	Sales Tax
May	I am attaching a file of all juices cases with brand name and manufacturer. We need data regarding their jurisdiction (Field formation) and NTN please, on priority.	Sales Tax
May	IRIS ST Return Manual Creation Process	Sales Tax
May	Please also provide:• How many of these taxpayers have filed their Income Tax Returns and submitted Annex C. • A classification of these taxpayers by Individual, AOP and Company.	Sales Tax
May	POS & DI Invoices Inserted After Submision of Annex C That Were In System But Not Linked With Annex C July-2025 OnWards	Sales Tax
May	RE: Annexure L filing status - Can you please let us know how many of these refineries and OMCs have filed Annexure C and Annexure L of the Sales Tax Return ?	Sales Tax
May	RE: Cases-Information and their Revenue Impact FY 2025-26	Sales Tax
May	RE: Data Request: DI & Sales Data	Sales Tax
May	RE: Invoices at Goods at Standard Rate and Goods at Zero Rate (Default) sale types for HS Code 2710.1941 during Month of May and April 2026	Sales Tax
May	RE: Return Filing Status of Refineries/OMCs dated 18.07.2026	Sales Tax
May	RE: Sales Tax Return - Data for AGP Audit Test Purpose TY 2024	Sales Tax
May	RE: Subject: Details of Zero-Rated Sales for HS Code 2710.1941	Sales Tax
May	RE: Tiles Annex-J and Annex-H Data	Sales Tax
May	S - Strack & Annex J For Cement Sector	Sales Tax
May	Sale Tax Return 2024-2025 Jun and July	Sales Tax
May	Sale Tax Returns 2024-2026	Sales Tax
May	Sales Tax Refund Payment Pendency Till Todate	Sales Tax
May	Sales Tax Returns for Jul 2026 for the month of may - 2026	Sales Tax
May	Sales Tax Returns Steel Sector Jun - 2024 Carried Forword Desc	Sales Tax
May	Sales Tax Returns Summary TY Jul-2025 to May-2026	Sales Tax

May	Sftp Credentials And Winscp Download Link	Sales Tax
May	ST Active Taxpayers List June-2026	Sales Tax
May	ST All Annex A TO J Script Prepared for Data AGP Audit	Sales Tax
May	ST Refund Payment Pendency Up To Jun -2026	Sales Tax
May	ST Registered Buyer Sales Tax Returns For the Month Of May-2026	Sales Tax
May	ST Return & Annex A, B, C, D, & F	Sales Tax
May	ST Return Summary	Sales Tax
May	ST Returns of NEV Adoption Levy	Sales Tax
May	ST Returns Profile Script Prepared For RE ST Profile TY Jul-2022 to -Jun - 2026 Data for AGP Audit	Sales Tax
May	ST Returns Steel Sector For the month Of Jun- 2024 Carried Forward Desc Order	Sales Tax
May	Steel Case of LIEDA electric power Annex A & B	Sales Tax
May	Steel Case of LIEDA electric power annex C & ANNEX K	Sales Tax
May	Steel Sector ST Profile 2024 to jun 2025	Sales Tax
May	Strack ShahTaj Sugar Mills Login History - 12-Feb-2026	Sales Tax
May	ST-returns FY 2024-25 and Annex A , B , C and D for PMC and Detergent & Soap Sector	Sales Tax
May	Suspended Iron & Steel Cases-Current Status | NTN	Sales Tax
May	Tile Manufacturers ST Returns Main Columns Juy-May 2025 Vs 2026	Sales Tax
May	Tile Manufacturers ST Returns Main Columns Juy-May 2025 Vs 2026 Period Wise Specific Cases	Sales Tax
May	Tobacco Sector Data	Sales Tax
May	Total Number of ST Registered & Di Registered & Their Total invoices	Sales Tax
May	Updated DI Status from 01/07/2025 to 30/06/2026	Sales Tax
May	URGENT DATA STEEL CASE FTS INDUSTRY Annex A B C & K AND FOR DESCOs By Buyer	Sales Tax
May	WITHHOLDING Collecting Agent Statement For PRA	Sales Tax

BI Stack

Existing BI Stack	
BI Reporting Tool	**Details**
Oracle Analytical Server	Existing enterprise BI platform currently in use for reporting , Dashboards and analytics
Tableau	For enhanced visualization, dashboarding, and analytics capabilities for Senior Management

20.Financial Proposal Format

SR#	Description	Unit	Quantity	Unit Price in PKR (without applicable GST/PST)	GST/PST amount applicable per unit in PKR	Unit Price in PKR (inclusive of all applicable taxes)	Total Cost in PKR (inclusive of all applicable taxes)
CATEGORY 1: HARDWARE SUPPLY (CAPEX)							
1.1	Compute Nodes (specify make/model against Section 6 sizing)	No.					
1.2	Storage Appliances (state usable and raw capacity)	No.					
1.3	Networking Equipment (switches, cabling, transceivers)	No.					
1.4	Rack Infrastructure (racks, PDUs, cooling, if in scope)	No.					
1.5	Spares / Buffer Stock	No.					
1.6	Other Hardware Components (specify)	No.					
						Sub-Total: Hardware Supply	
CATEGORY 2: SOFTWARE LICENSES (CAPEX)							
2.1	ELT/ETL Tool (state license type, licensing metric)	License					
2.2	Object Storage / Lakehouse Engine	License					
2.3	MPP Enterprise Data Warehouse Engine	License					
2.4	In-Memory Caching Software	License					

SR#	Description	Unit	Quantity	Unit Price in PKR (without applicable GST/PST)	GST/PST amount applicable per unit in PKR	Unit Price in PKR (inclusive of all applicable taxes)	Total Cost in PKR (inclusive of all applicable taxes)
2.5	Data Governance & Catalog Platform	License					
2.6	Operating System (per node)	License					
2.7	Other Licensed Components Required for Full Platform Operation (specify)	License					
						Sub-Total: Software Licenses	
INSTALLATION, COMMISSIONING & TESTING (CAPEX)							
3.1	Site Preparation, Rack-and-Stack, Cabling & Network Configuration	Job	01				
3.2	OS Installation, Hardening & Base Platform Software Installation	Job	01				
3.3	HA, DR & Security Configuration	Job	01				
3.4	Infrastructure Acceptance Testing & Sign-Off	Job	01				
						Sub-Total: Installation, Commissioning & Testing	
CATEGORY 3: HARDWARE WARRANTY & SUPPORT (OPEX)							
3.1	Hardware Warranty & Support Year 1 (all components per Category 1, matching line items)	Job	01				
3.2	Hardware Warranty & Support Year 2 (all components per Category 1,	Job	01				

SR#	Description	Unit	Quantity	Unit Price in PKR (without applicable GST/PST)	GST/PST amount applicable per unit in PKR	Unit Price in PKR (inclusive of all applicable taxes)	Total Cost in PKR (inclusive of all applicable taxes)
	matching line items)						
3.3	Hardware Warranty & Support Year 3 (all components per Category 1, matching line items)	Job	01				
3.4	Hardware Warranty & Support Year 4 (all components per Category 1, matching line items)	Job	01				
3.5	Hardware Warranty & Support Year 5 (all components per Category 1, matching line items)	Job	01				
Sub-Total: Hardware Warranty & Support (5 Years)							
CATEGORY 4: SOFTWARE MAINTENANCE & SUPPORT (OPEX							
4.1	Software Maintenance & Support Year 1 (all components per Category 2, matching line items)	Job	01				
4.2	Software Maintenance & Support Year 2 (all components per Category 2, matching line items)	Job	01				

SR#	Description	Unit	Quantity	Unit Price in PKR (without applicable GST/PST)	GST/PST amount applicable per unit in PKR	Unit Price in PKR (inclusive of all applicable taxes)	Total Cost in PKR (inclusive of all applicable taxes)
4.3	Software Maintenance & Support Year 3 (all components per Category 2, matching line items)	Job	01				
4.4	Software Maintenance & Support Year 4 (all components per Category 2, matching line items)	Job	01				
4.5	Software Maintenance & Support Year 5 (all components per Category 2, matching line items)	Job	01				
Sub-Total: Software Maintenance & Support (5 Years)							
Total Amount in Words (Grand Total Evaluated Bid Value): CAPEX + OPEX							

Note: The quantity of hardware/software components may increase or decrease at the time of contract award, considering the requirement of the business. Quantities quoted shall match, at minimum, the reference sizing defined in Section 6 of the RFP; any deviation shall be explained in an accompanying technical note. Each cost line item shall reference the corresponding technical requirement in Section 5 or Section 6 of the RFP to allow direct traceability between the technical and commercial proposals.

Business Award:

The business shall be awarded to the technically qualified bidder achieving the highest Combined Evaluation Score, calculated as: Combined Evaluation Score = (Technical Score × 70%) + (Financial Score × 30%), per Section 17 (Evaluation Criteria) of the RFP.

Note:

1. PRAL shall award the business as per the given criteria.

2. The responsibility to include all and correct taxes is that of the bidders.

3. Prices should be in Pak Rupees (PKR) only.

4. Bidders must submit bids for all items and services listed in the scope of work / BOQ. Partial bidding is not permitted.

5. No separate CAPEX/OPEX split applies to this engagement other than as defined in this format; payment shall follow the milestone-based schedule defined in Section 14 (Payment Terms) of the RFP.

Authorized Signatory

Name _____

Designation _____

Signature _____

Stamp _____ **Date** _____

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

14. Payment Milestone

The following are the payment terms for CDH:

- Responsibility to include all and correct taxes lies on the bidders.
- Price should be in Pak Rupees only.
- The quantity of items or services may be increased or decreased at PRAL's sole discretion based on operational requirements at the time of contract award.
- Bidders must submit bid for all items and services listed in the scope of work / BOQ. Partial bidding is not permitted.
- CAPEX (estimated 60% of total contract value) covers the procurement and supply of all hardware, software licenses, and physical infrastructure components as per the approved Bill of Materials.
- OPEX (estimated 40% of total contract value) covers Hardware/Software Warranty Support for the deployed infrastructure for five years following production go-live.
- Yearly OPEX payments shall be invoiced annually, at the end of each contract year, and are subject to the Vendor meeting the agreed Service Levels (SLAs/KPIs) for that year.
- Payment shall be made as per the milestone-based schedule defined below, tied to the deliverables and acceptance criteria for each phase. No separate CAPEX/OPEX split applies to this engagement

CAPEX (Estimated 60% of the total contract value):

S.No.	Milestone	Deliverables	Payment %	Acceptance Criteria
1	Contract Signing, Kickoff & Site Readiness Assessment	Contract signing, project initiation, mobilization of resources, and commencement of project activities.	20%	Payable upon contract signing and project commencement.

2	System Configuration	All hardware delivered to site per approved Bill of Materials; all software licenses provisioned and activated. Rack-and-stack complete; VLAN segmentation, firewall rules, and inter-environment isolation configured and validated. All nodes hardened and patched; licensed platform software installed and base-configured across Production and Development/Test environments. High-availability and redundancy configured per the architecture diagram; infrastructure-level backup, DR connectivity, and security hardening in place	30%	Hardware delivered per BOM; rack-and-stack complete; network segmentation validated; nodes hardened/patched; HA/DR and security hardening configured per architecture diagram.
3	Sign-off & Acceptance	Hardware burn-in, network throughput/latency validation, HA failover testing, and security baseline scan completed; written Infrastructure Acceptance sign-off issued by PRAL.	50%	Infrastructure Acceptance sign-off issued by PRAL

OPEX (Estimated 40% of the total contract value):

S.No.	Milestone	Deliverables	Payment %	Acceptance Criteria
1	Hardware/ Software Warranty Support and expansion	Vendor shall provide hardware and software support, along with support for infrastructure expansion, over a period of five years following production go-live.	20% each year over five years following production go-live.	Subject to the vendor meeting the agreed service levels (SLAs/KPIs)

(Beneficial Owners Information)

Declaration of Ultimate Beneficial Owners Information for Public Procurement Contracts.

1. Name
2. Father's Name/Spouse's Name
3. CNIC/NICOP/Passport No.
4. Nationality
5. Residential address
6. Email address
7. Date on which shareholding, control or interest acquired in the business.
8. In case of indirect shareholding, control or interest being exercised through intermediary companies, entries or other legal persons or legal arrangements in the chain of ownership or control, following additional particulars to be provided:

1	2	3	4	5	6	7	8	9	10
Name	Legal form (company/Limited Liability Partnership/Association of Persons/Single Member Company/partnership Firm/Trust/Any other individual body corporate (to be specified)	Date of incorporation/registration	Name of registering authority	Business Address	Country	Email address	Percentage of shareholding, control or interest of BO in the legal person or legal arrangement	Percentage of shareholding control or interest of legal person or legal arrangement in the Company	Identify of natural person who ultimately owns or controls the legal person or arrangement

9. Information about the Board of Directors (details shall be provided regarding number of shares in the capital of the company as set opposite respective names).

1	2	3	4	5	6	7	8

Name and surname (in Block Letters)	CNIC No. (in case of foreigner, Passport No.)	Father's/Husband's Name in full	Current Nationality	Any other Nationality (ies)	Occupation	Residential address in full or the registered/principal office address for a subscriber other than natural person	Number of shares taken by cash subscriber (in figures and words
			Total numbers of shares taken (in figures and words)				

10. Any other information incidental to or relevant to Beneficial Owner(S).

Name and signature

(Person authorized to issue notice on behalf of the company)