

Corrigendum 04: Bidder's query, Modification in the E-Tender Document and Extension in Dates for Participating in E-Tender: Data Management, Analytics and Business Intelligence Solution for Export-Import Bank of India. Reference No: - EXIM/RFP/2022-23/05.

Please refer to E-Tender Reference No. EXIM/RFP/2022-23/05 for "E-Tender: Data Management, Analytics and Business Intelligence Solution for Export-Import Bank of India". Bank has published 3 corrigendum with below description.

Corrigendum 01	Extension of Date of Pre-Bid Meeting
Corrigendum 02	Extension of Date of Bid Submission
Corrigendum 03	Pre-Bid Query and Extension of Date of Bid Submission

Table 1

Tender Reference No.	EXIM/RFP/2022-23/05
Last Date of Acceptance of E-Tender Documents- IP Agreement	June 30, 2022, 05:00 p.m.
Date & time for Bid Submission of Tender	June 30, 2022, 05:00 p.m.
Date & time for Opening of Tender	June 30, 2022, 06:00 p.m.

Table 2

The bidders are advised to consider the following amendments/Corrigendum before submission of their bids against this tender. All other terms and conditions of the tender document will remain unchanged. The tender document is available on our website <https://www.eximbankindia.in>.

Sd/-

Kiran Patil

Deputy General Manager (IT)

Annexure – I
Bidders Query

Sr No	Page No - Point No	Bidders Query	EXIM Response
1	Page # 21 Section 2, Sub-section 2.2	The Bidder shall submit a Technical Architecture, which shall include the Security Architecture in response to the RFP, in compliance with EXIM's conceptual architecture and the Business Requirement Document.	The qualifying Bidder shall submit a Technical Architecture, which shall include the Security Architecture in response to the RFP, in compliance with EXIM's conceptual architecture and the Business Requirement Document.
2	Page # 21 Section 2, Sub-section 2.2	For the purposes of submission of the Bid, the Bidder shall be permitted to review the existing architecture documents in place with EXIM during the pre-Bid meeting, subject to such Bidder executing the Non-Disclosure Agreement as of this RFP.	Refer Detailed Scope of Work Section Page 26 . Corrigendum 03 Phase 1 Implementation and data source.

3	Scoring Methodology for Stage B 3) Customer Site Visit (B3)	<p>The Bidder will provide contact details of two customers, out of which one should be in BFSI sector where a data management solution has been implemented. EXIM's team will be contacting the Bidder's customer over phone / visit / email. Hence, Bidder to obtain necessary approvals from their customers. The customer feedback would carry a weightage of 10 marks and would be evaluated on the following parameters:</p> <ul style="list-style-type: none"> • Overall customer satisfaction • Adherence to implementation timelines • Post implementation services 	<p>The Bidder will provide contact details of two customers, out of which one should be in BFSI / Government sector where a Data Management Solution / Business Intelligence / Analytics has been implemented. EXIM's team will be contacting the Bidder's customer over phone / visit / email. Hence, Bidder to obtain necessary approvals from their customers. The customer feedback would carry a weightage of 10 marks and would be evaluated on the following parameters:</p> <ul style="list-style-type: none"> • Overall customer satisfaction • Adherence to implementation timelines • Post implementation services
4	Input data Source	No of Relevant API/Data Files/Tables	Requirement will be given based on business requirement. Currently data

		Data Volume, Data Frequency (Daily, Monthly, Quarterly), Incremental Data Volume (as per frequency), Expected YoY Data growth (10%/20%/30%)	is consumed using EXCEL integration or manual updated.
5	Original Tender: Page 47-Point 2	<p>Description: The respondent should be in business of providing Data Management, Analytics and Business Intelligence Solution for at least eight years as on the date of this tender.</p> <p>Query: Propose to Change for at least 4 years in business of providing Data Management, Analytics & Business Intelligence.</p> <p>Corrigendum Response: No Change. Bidder can submit exception for participation.</p>	Exception will be evaluated Tender Evaluation Committee.

Annexure – II
RFP Modification

Sr No	Page No - Point No	Current RFP	Updated RFP
1	Page 8- Cloud Ready	The proposed solution will store the data on premise. However, the architecture suggested should enable migration to cloud in a seamless manner in the future. Tools other than the database can be on the cloud. The solution should support seamless integration of compute resources and data from the premises to the proposed MEITY empaneled cloud without any downtime. The solution may contain cloud services for ETL, graph database and No-SQL database. In the event of ETL services, being deployed on cloud the processed data must seamlessly be transferred to EXIM Bank premises. NoSQL key-value database should support native, server-side support for ACID transactions and deliver single-digit millisecond performance.	The proposed solution will store the data on premise. However, the architecture suggested should enable migration to cloud in a seamless manner in the future

2	Page 8- Secure	Security features of the solution to conform to industry standards including Information Technology Act 2000, Information Technology Rules 2011, Aadhaar (Data Security Regulations) 2016 (if Aadhaar is used in any manner as part of the solution), GDPR, ISO 27108, Personalized Data Protection Bill 2018, etc.	Security features of the solution to conform to industry standards including Information Technology Act 2000, Information Technology Rules 2011, GDPR, ISO 27108, Personalized Data Protection Bill 2018, etc.
3	Page 22-Enterprise Data Warehouse	Existing terminology Hybrid or Cloud Only	Terminology changed to On -Premise and Cloud Ready
4	Page 28	The ETL Program should be capable of supporting various technologies like Spark, Spark Streaming, Kafka, Cassandra, Hive, HDFS, Sqoop, Hbase.	The ETL tool should support modern data technology
5	Page 30	The data lake enables EXIM to store structured, semi-structured, unstructured and stream data. The data can be consumed for historical as well as real time analytics. The	Based on the departmental requirements, logical or physical data marts to be considered.

		following are the requirements from Data Lake:	
6	Page 29	Data Mart	Data Mart Will be part of Phase 3 implementation.
7	Page 30	Data Lake	Data Lake will be applicable for structured data.
8	Page 37	B2 – Bidder Presentation, DMABI Solution Evaluation, Approach & Plan.	Bidder Presentation demonstrating business and technical depth and completeness, DMABI Solution Evaluation, Approach & Plan.
9	Page 38	<p>A2 – Compliance with Technical Requirements</p> <p>1. >85% functional compliance along with <=10% with compliance with customization and <=5 % non- Compliant = 20 marks</p> <p>2. >85% functional compliance along with <=5% with compliance with customization and <=10 % non- Compliant = 15 marks</p> <p>3. >80% functional compliance along with <=10% with compliance with customization</p>	<p>A2 – Compliance with Technical Requirements</p> <p>1. >85% technical compliance along with <=10% with compliance with customization and <=5 % non- Compliant = 20 marks</p> <p>2. >85% technical compliance along with <=5% with compliance with customization and <=10 % non- Compliant = 15 marks</p>

		and <= 10 % non- Compliant = 10 marks 4. other than above criteria will get 0 marks	3. >80% technical compliance along with <=10% with compliance with customization and <= 10 % non- Compliant = 10 marks 4. other than above criteria will get 0 marks
10	Page 38	<p>Bidder Presentation, Approach Plan & Scoring (B2)</p> <p>As an evaluation, the Bidder will be invited by EXIM to deliver a presentation for a period of 45 minutes on the DMABI Solution, followed by discussions</p>	<p>Bidder Presentation, Approach Plan & Scoring (B2)</p> <p>As an evaluation, the Bidder will be invited by EXIM to deliver a presentation for a period of 90 minutes on the DMABI Solution, followed by discussions</p>
11	Page 66 -1	An Enterprise Dashboard to be developed which may contain all financial details (extracted from CBS, Physical details from Groups/Departments and other different sources).	An Enterprise Dashboard to be developed which may contain all financial details (extracted from CBS, Physical details from Groups/Departments and other different sources). For more details refer sample templates in Annexure III .

12	Page 66-4	Dashboard to be hosted on EXIM's Server/Tenant for development, testing, going live and hosting on an ongoing basis.	Dashboard to be hosted on EXIM's Server / PowerBI SaaS Cloud Tenant for development, testing, going live and hosting on an ongoing basis.
13	Page 66 -6	Change request/enhancement request / removal of bugs etc. to be clearly defined in the Business Requirement Document.	Development /Customization will be resource based. Process of Change Request Enhancement and bug fix of proposed system need to be clearly defined.
14	Page 67-12	The DMABI Solution should have the capability to provide dashboards to empower HO.	The DMABI solution should create tree structure based on Office location.
15	Page 67-16	The DMABI Solution should be capable of generating income & expenditure statement and balance sheet as per user defined formats/statutory/ regulatory format.	The DMABI Solution should be capable of providing data inputs to generate income & expenditure statement and balance sheet as per user defined formats/statutory/ regulatory format.

16	Page 68-1	On selecting a variable from the data, the DMABI Solution should be able to automatically create an analysis, which other variables contribute to the outcome.	On selecting a variable on the dashboard, the DMABI Solution should be able to automatically update the other charts basis this selection.
17	Page 68-8	The DMABI Solution should provide selection and brushing modes for discovering relationships while exploring data.	The DMABI solution should have Business Metadata Glossary capability with browsing capability.
18	Page 71-56	The ETL tool should have the capability of declarative design, i.e., Ability to enable designers to specify what they want accomplished with their data, while the tool generates details of how to perform the task.	The ETL tool should have UI driven customization interface.
19	Page 74-92	<p>The DMABI Solution should provide following transformation nodes pre-built:</p> <ul style="list-style-type: none"> • Clustering • Pattern Analysis • Basic Statistics • Frequency Distribution 	<p>DMABI solution must provide Data Science (Machine Learning) based analytics for the following use cases</p> <ul style="list-style-type: none"> • Credit Appraisal • Credit Monitoring • Credit Usage

		<ul style="list-style-type: none"> • Identification Analysis • Gender Analysis 	<ul style="list-style-type: none"> • Concentration Risk • Credit Default • Business Growth Forecasting
20	Page 75-94	Identification of meaningful address attributes based on profile reports carried out on full historical data and help in defining clustering criterion using the address attributes for house holding requirements should be provided by the DMABI Solution	Removed

Annexure III
Sample Templates of Financial Data

Template 1:

Parameters	(In Crore)		
	FYE March 31, 2022 (A)	FYE Mar 31, 2021 (B)	Change (⁰ /0) (A-B)/B
a. Gross Loan Assets			
b. Cumulative Provisions for NPAs			
c. Net Loan Assets (a-b)			
d. Non-funded Portfolio			
e. Customer Asset Portfolio (c+d)			
f. Net Investments			
g. Total Borrowings			
h. Total Business (e+f+g)			
Total Business per Employee			

Template 2:

Income Break-up	(In Crore)		
	FYE Mar 31, 2022 (A)	FYE Mar 31, 2021 (B)	Change (A-B)/B
a. Interest on Loans & Advances			
b. Interest on Investments			
c. Interest Income (a+b)			
d. Exchange, Commission, Brokerage and Fees			
e. Other Income			
f. Non-Interest Income (d+e)			

g. Total Income			
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Template 3

(In Crore)

Expenditure Break-up	FYE Mar 31, 2022	FYE 31, 2021 (B)	Change (%) (A-B)/B
a. Interest Expense			
b. Administrative Expenses			
c. Staff Expenses			
d. Non-interest Expenses (b+c)			
e. Gross Expenditure (a+d)			

Template 4

(In Crore)

Particulars	31-Mar-22	31-Mar-21
a. Capital (Paid-up)		
b. Reserves & Surplus		
c. Net-worth (a+b)		
d. Tier I Capital		
e. Tier II Capital		
f. Total Capital Funds (TCF) (d+e)		
g. Net Owned Funds (NOF)		
h. Capital to Risk Assets Ratio (CRAR)		
Core CRAR		
j. Total Borrowings (net of borrowings for EDF)		

k	Leverage Ratio (j / g) [Regulatory Norm]		
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Template 5

(In Crore)

Particulars	31-Mar-22	31-Mar-21
a. Capital (Paid-up)		
b. Reserves & Surplus		
c. Net-worth (a+b)		
d. Tier I Capital		
e. Tier II Capital		
f. Total Capital Funds (TCF) (d+e)		
g. Net Owned Funds (NOF)		
h. Capital to Risk Assets Ratio (CRAR)		
Core CRAR		
j. Total Borrowings (net of borrowings for EDF)		
k. Leverage Ratio (j / g) [Regulatory Norm]		

Template 6

(In Crore)

Particulars	31-Mar-22	31-Mar-21
Rupee crore)		
USD/INR Buy/Sell Swaps		
Others		
FC crore equiv.)		
FC (USD mn)		