



**INVITATION FOR EXPRESSION OF INTEREST
FOR
DATA WAREHOUSE - REPORTING PLATFORM**

1. The New Development Bank (NDB) is headquartered in Shanghai, China. The Bank was founded in 2014 by the governments of Brazil, Russia, India, China, and South Africa (hereinafter referred to as “BRICS”) and launched in 2015 to mobilize resources for infrastructure and sustainable development projects in these countries and other emerging economies.
2. NDB is inviting the qualified suppliers to submit an Expression of Interest to provide a Data Warehouse Platform on High-Level Requirements (Annex A).
3. The deadline for EOI submission is 6:00 PM, 5th June 2020 (Beijing time).
4. The response to this EOI should be forwarded to:
5. **Method of submission**
 - a. **The technology details, checklist for technology etc. with EOI Title to be submitted to preda.leandro@ndb.int**
 - b. **Quotation to be submitted with EOI Title as password protected files to siva.srinivasan@x.ndb.int**
 - c. **Passwords to be communicated with EOI Title to**

Alexander Baryshnikov – Chief IT – New Development Bank
baryshnikov.alexander@ndb.int
6. The EOI should provide information about the supplier’s information based on Annex B.
7. The Finance Reporting Platform solution should be provided as a SaaS solution **MUST BE** hosted in one of the BRICS countries and accessed worldwide. **No exceptions will be accepted.**
8. Responding to this Expression of interest does not constitute any contractual obligation and rights on the part of the vendor.

Annex A

HIGH-LEVEL REQUIREMENTS

The Bank is seeking a Data Warehouse Platform to be management by IT division and used by all NDB's Staff. The solution should address the following requirements:

	High-Level Module	Summary
1	Template Report Management	This module will be responsible to maintain template to be used in the final versions or preparation of the periodic report.
2	Data integration	Integrate with 3 rd party internal platforms to retrieve information using: <ul style="list-style-type: none"> • ETL integration • ODBC integration • Portal integration (supporting SOAP and Restless web service integrations) • Office Application
3	Data Visualization	Be able to support the following functions: <ul style="list-style-type: none"> • Storyboarding • Animations • Barcodes • Tables • Charts and Graphs • Infographics • Filters • Widgets • Drag and drop creation • Templates • Freehand SQL Commands • Layouts • Themes • Single clicks report generation
4	Real-time analysis and forecasting	Be able to support the following analytics functions: <ul style="list-style-type: none"> • Benchmarking • Predictive Analytics • Trend Indicators • Multi-year / multi-currency • In-Memory Analysis

		<ul style="list-style-type: none"> • Data Mining • Machine Learning • Python and R Language for Data modeling 																
5	Privilege parameter	<p>Set limits on who can access, export and edit files, spreadsheets, and graphs using the following profiles:</p> <ul style="list-style-type: none"> • Financial Management • Risk Management • Regulatory Compliance • Monitoring • Consulting Services 																
6	Security capability	<ul style="list-style-type: none"> • Single Sign-on • Data Encryption • Encryption key management 																
7	Export capability	The ability to export reports into different documents formats such as Microsoft Excel, Microsoft Workbook, Microsoft Word, CVS, XML, PDF, HTML, Image (png, BMP, and JPG)																
8	Data Sources	<p>Configure and provide service to connect to the following platforms using WebServices, direct connection using ODBC or change information based on file (CSV format).</p> <table border="1"> <thead> <tr> <th>IT Services:</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>HR Management Solution</td> <td>Using Webservice API</td> </tr> <tr> <td>Clearing & Payments Solution</td> <td>SWIFT Archive (WebService API)</td> </tr> <tr> <td>Treasury Management Solution</td> <td>Using ODBC</td> </tr> <tr> <td>Loan Management Solution</td> <td>Using Webservice, ODBC and CSV</td> </tr> <tr> <td>Corporate Service Portal</td> <td>ServiceNow (WebService)</td> </tr> <tr> <td>Secure EDI Solution</td> <td>Using Webservice, ODBC and CSV</td> </tr> <tr> <td>ERP Solution</td> <td>Using Webservice, ODBC and CSV</td> </tr> </tbody> </table>	IT Services:	Remarks	HR Management Solution	Using Webservice API	Clearing & Payments Solution	SWIFT Archive (WebService API)	Treasury Management Solution	Using ODBC	Loan Management Solution	Using Webservice, ODBC and CSV	Corporate Service Portal	ServiceNow (WebService)	Secure EDI Solution	Using Webservice, ODBC and CSV	ERP Solution	Using Webservice, ODBC and CSV
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9	Data Pipeline	Create the data pipeline with archiving mode, supports conversion 2 ways, and establish ACIDIC property. A point in time recovery and refreshments. Timestamp based data dictionary update.																
10	Data Models (Capacity Plan)	Optimized indexing and query planning. Auto-discovery of the schema changes and re-sync, bind it back to data discovered. Capacity plan for quick response for any query with not later than 1 sec for any data set. Confirm data model availability of at least 3 scenarios per 3 business applications multidimensionally																
11	ML/AI	To be able to identify the related data across heterogeneous data sources and present at least 2 to 4 dimensions																
12	Cubes	Availability of the at least 3 cubes per model for operating with granular drill down to the atomic level and data source level																

13	Access Control in BI and Data	Fine-grained access control for the deep-dive, filter and BI Views to individual user and data
14	Business Intelligence	Discovery of the new set of the data and alerting on the BI Portal

Annex B

VENDOR COMPANY INFORMATION

Company Information		Response/Detail
1	Company Name	
2	Incorporation location and jurisdiction law	
3	Headquarter location	
4	Number of years in operation	
5	Number of employees	
6	Number of office locations	
7	Provide details about the Vendor's presence in BRICS	

About the Product –Information

Product Information	Sub	Response/Detail
1	Software product name	General
2	Number of years his product has been in existence	General
3	Share product API documentation	General
4	Provide a summary of the product's high-level modules.	General
5	Where is the support vendor located?	Support
6	What is the size of the support team?	Support
7	What is the process for raising a maintenance request by the Bank?	Support
8	What BRICS countries this SaaS solution is offered?	Infrastructure
9	What kind of documentation Vendor will deliver along with the product and as part of implementation?	Implementation
10	Number of people involved product's R&D	Development
11	Describe product development and/or release methodology. This should explain, but not limited to, major, minor and client-specific release, agile methodology	Development

12	What is the Vendor's major and minor release cycle timing?	Development	
13	Does Vendor perform regression testing for previous versions? What evidence is provided for such tests?	Development	
14	Provide costs estimate based on an annual subscription	Costs	