

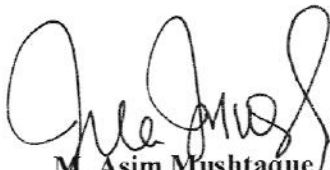
EVALUATION REPORT
(As Per Rule 35 of PP Rules, 2004)

1. Name of Procuring: HQ NADRA Islamabad
2. Method of Procurement: Single Stage (02) Envelope Methods
3. Title of Procurement: Procurement of Data Warehousing and Business Intelligence Solution
4. Tender Inquiry No: NADRA-HQ-RFB-16/2024
5. PPRA Ref. No. (TSE): TS531407E
6. Date & Time of Bid: 18th March, 2024 At 11:00 hrs.
7. Date & Time of Bid: 18th March, 2024 At 11:30 hrs.
8. No of Bids Received: 03x Bids
9. Criteria for Bid Evaluation: As per Eligibility & Technical Evaluation Criteria Mentioned in Tender Documents
10. Details of Bid(s) Evaluation: As under: -

Name of Bidder	Marks		Evaluated Cost	Rule/Regulation/SBD*/Policy/ Basis for Rejection / Acceptance as per Rule 35 of PP Rules, 2004.
	Technical (If applicable)	Financial (If applicable)		
M/s. Techaccess	Qualified	Only Technical qualification was required	Rs.998,875,380.44/-	Bids of three firms i.e. M/s. Techaccess, M/s ORA-Tech Systems and M/s. Sapphire Consulting Services were received. Bids were opened on 18 th March, 2024 and technically qualified for further process. The same was conveyed to vendors attached as per annexure "A". Financial bids of the technically qualified firms were opened on 6 th May, 2024. As per financial evaluation bid of M/s. Techaccess was the most advantageous bidder. Technical Report is attached.
M/s. ORA-Tech Systems	Qualified	Only Technical qualification was required	Rs.1,765,921,819/-	
M/s Sapphire Consulting Services	Technically Disqualified			

Most Advantageous Bidder: M/s. Techaccess

11. Any other additional / supporting information, the procuring agency may like to share. Nil



M. Asim Mushtaque
Director Procurement
Headquarters NADRA
Dated 26 July, 2024

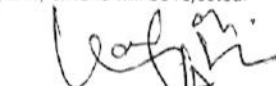
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Compliance of Mandatory Requirements
Procurement of Data Warehousing Solution
Tender # NADRA-HQ-RFB-16/2024

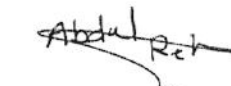
S. No	Requirement	M/s Techaccess Pakistan (Pvt) Ltd	M/s Ora Tech Systems	M/s Sapphire Consulting Services (Pvt) Ltd
1	I abide by all the terms and conditions as mentioned in the RFP; I also 100% comply with all Specification as stated in the BOQ. (Attach Confirmation letter on Company letter head as Annex "E1")	Yes	Yes	Yes
2	Bidder has a Valid NTN Registration Annex "E2"	Yes	Yes	Yes
3	Bidder has a Valid GST Registration Annex "E3"	Yes	Yes	Yes
4	Bidder is active on ATL list of FBR Annex "E4"	Yes	Yes	Yes
5	Bidder is authorized partner of OEM/Principal of Data Warehousing Solution (Database software & DWH Hardware only) Annex "E5"	Yes	Yes	Yes
6	OEM/Principal authorization letter to bidder for this specific procurement Annex "E6"	Yes	Yes	Yes
7	Certificate that quoted equipment is brand new and Country of origin is not India and Israel. Also online support is not originating from these two countries. Annex "E7"	Yes	Yes	Yes
8	OEM/Principal certificate that proposed DWH equipment must not be end of sale within next one year and must not be end of support by OEM/Principal within next 6 years. Annex "E8"	Yes	Yes	Yes
9	Comprehensive maintenance and support services for the time-period mentioned in RFP, is fully backed by OEM/Principal. Annex "A9"	Yes	Yes	Yes
10	Single window Data Warehousing Solutions (Database Software and DWH Hardware must be from same OEM/Principal). Letter from Vendor as Annex "E10"	Yes	Yes	Yes
11	During the past five (5) years, Bidder/Principal has successfully deployed Minimum two (02) projects of Proposed Data Warehousing Solution within Pakistan (Attach documentary Proof like PO, client reference letter etc. as Annex "F1")	Yes	Yes	Yes
12	Bidder's turnover according to Bank account statement(s) for the period 01-07-2021 to 30-06-2023 should not be less than 500 million PKR (Attach bank account statement as Annex "F3")	Yes	Yes	Yes
13	Bidder has at least (03) Technically Qualified HR with relevant to quoted/proposed DWH solution. (Attach valid Certificates as Annex "F4")	Yes	Yes	Yes
Comply / Not Comply		Comply	Comply	Comply

Note as per RFP: A firm not fulfilling any one of the above eligibility criteria will be rejected.


 Mr. Javeed Sajid
 DD, Networks Dte.
 Member


 Mr. Waqas Ali Khan
 DD, Technology Dte.
 Member


 Mr. Khurram Shahzad
 Director, NDW Dte.
 Member


 Mr. Abdur Rehman
 Director, NDW Dte.
 President

Technical Evaluation Report for Procurement of Data Warehousing Solution

Tender # NADRA-HQ-RFB/16/2024

1. NDW Directorate has received the bidding documents for technical evaluation from following three vendors in response of above-mentioned tender no through Document ID: B3DYMV dated 19th March, 2024 from Procurement department, for procurement of Data Warehousing Solution.
 - I. M/s Techaccess Pakistan (Pvt) Ltd.
 - II. M/s Ora Tech Systems (Pvt) Ltd.
 - III. M/s Sapphire Consulting Services (Pvt) Ltd.
2. Following board was constituted for the technical evaluation.

(a) Mr. Mr Abdur Rehman, Director, NDW Dte.-	Board President
(b) Mr. Khurram Shahzad, Director Database, NDW Dte.-	Member
(c) Mr. Waqas Ali Khan, Deputy Director, Technology Dte.-	Member
(d) Mr. Javeed Sajid, Deputy Director, Networks Dte.-	Member
3. Considering the RFP, compliance of mandatory requirements, technical score and compliance of BOQ, it was found that M/s Techaccess Pakistan (Pvt) Ltd and M/s Ora Tech Systems (Pvt) Ltd comply all the mandatory requirement. Both secured 98 technical marks and comply all requirements mentioned in tendering documents.
4. Whereas, M/s Sapphire Consulting Services (Pvt) Ltd secured only 35 technical marks (below the minimum technical passing marks, which are 70) because its proposed solution was not complete as per requirements of tendering documents. Following are the details.
 - (a) Backup Solution is not provided as required at serial no a) 1, Data warehousing Architecture / Software, sub serial no 30 of BOQ.
 - (b) Redundant minimum 24-port network switches 10G+ are not provided as required at Serial no a) 2, Hardware for Data Warehousing Platform, sub serial no 11 of BOQ.
 - (c) Dedicated workstation / appliance used for monitoring, troubleshooting and administration is not provided as required at Serial no a) 2, Hardware for Data Warehousing Platform, sub serial no 12 of BOQ.
 - (d) Specifications and quantity of Utility Servers (ETL) are not provided as required at serial no c of BOQ.


5. Compliance of Mandatory Requirements about vendors is attached as **annexure A**, Evaluation Matrix of Technical Marks is attached as **annexure B** and detailed checking of compliance of required solution is attached as **annexure C**.
6. The Technical Evaluation board has concluded that M/s Techaccess (Pvt) Ltd and M/s Ora Tech System (Pvt) Ltd are qualified whereas M/s Sapphire Consulting Services (Pvt) Ltd is not qualified.

S No	Vendor Name	Technical Marks	Technical Board Decision
1	M/s Techaccess Pakistan (Pvt) Ltd.	98	Qualified
2	M/s Ora Tech Systems (Pvt) Ltd.	98	Qualified
3	M/s Sapphire Consulting Services (Pvt) Ltd.	35	Not Qualified

Note: A firm not achieving Minimum technical passing marks (70) is Not Qualified.

Name: Mr. Abdul Rehman ~~Shahzad~~, NDW Dte.


Name: Mr. Khurram Shahzad, NDW Dte.

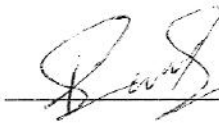
Signature: 
Date: 25-April-2024
(President of Board)

Signature: 
Date: 25-04-2024
(Board Member)

Name: Mr. Waqas Ali Khan, Technology Dte.

Name: Mr. Javeed Sajid, Networks Dte.


Signature: 
Date: 30 Apr 2024
(Board Member)

Signature: 
Date: _____
(Board Member)

Evaluation Matrix of Technical Marks
Procurement of Data Warehousing Solution
Tender # NADRA-HQ-RFB-16/2024

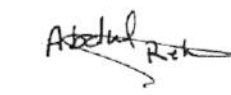
Technical Marks will be calculated from below Evaluation Matrix.					M/s Techaccess Pakistan (Pvt) Ltd	M/s OraTech Systems	M/s Sapphire Consulting Services (Pvt) Ltd
S#	Area	Evaluation Matrix	Max Marks	Marks/Weightage			
1	Relevant Experience Software	During the past five (5) years, how many successful projects of Proposed Data Warehousing Solution, at comparable scale, were deployed in Pakistan? <i>Minimum 2 deployments are mandatory, otherwise bidder would be disqualified.</i> (Attach documentary Proof like PO, client reference letter etc. as Annex "F5")	15	Equal or more than 6 Projects = 15 Marks Less than 6 but equal or more than 4 Projects = 10 Marks Less than 4 but equal or more than 2 Projects = 05 Marks	15	15	15
2	Total cost of Ownership (DWH Solution)	Yearly approximate support cost in percentage (%), after three years, for Dataware housing solution over its quoted price, as mentioned in bidder's financial proposal. Annex "F6"	10	Less than 15% = 10 Marks Less than 20% but Equal or more than 15% = 7 marks More than 20% = 3 Marks	10	10	0 (Not Provided)
3	Financial worth	Bidder's turnover according to Bank account statement(s) for the period 01-07-2021 to 30-06-2023. (Attach bank account statement as Annex "F7")	12	Equal or more than 800 million PKR = 12 Marks Less than 800 million but equal or more than 600 million PKR = 9 Marks Less than 600 million but equal or more than 500 million PKR = 05 Marks	12	12	12
4	Technical Support Qualification	Number of Technically Qualified HR with relevant to quoted/proposed DWH solution. (copy of the certification, experienced certificates or training are required to be attached with technical proposal) (Attach valid Certificates as Annex "F8")	8	Equal or more than 6 Employee = 8 Marks Less than 6 but more than 3 Employee = 05 Marks Equal to 3 Employee = 03 Marks	8	8	5
5	Relationship with Principal	Type of Affiliation with Data Warehousing OEM/Principal Authorization Letter: Attach authorization Letter from the OEM/Principal. (OEM/Principal should directly authorize a partner available in Pakistan. (Attach document Proof as Annex "F9")	5	OEM/Principal directly participating = 5 Marks Through authorized partner = 03 Marks	3	3	3
6	Compliance	Proposed solution must comply all required specifications/features mentioned in the Compliance Sheet/BOQ. Partial Comply or Not-Comply or Blank Spaces shall be considered as Not-Comply Column (Document Reference) of Compliance Sheet: Vendor must provide OEM/Principal datasheet reference against each required feature and specifications. (Document Name, Section, and page number is mandatory)	50	100% Fully Compliance = 50 Any Single Non-Compliance = 0 0 marks will be given for overall compliance sheet (0x50) and Vendor will be disqualified directly, if Vendor fails to provide document reference as required	50	50	0 (Provided Solution not Complete as RFB requirements of section a/1/30, a/2/11, a/2/12 and c)
Minimum Technical Passing Marks			70		98 Qualified	98 Qualified	35 Not Qualified
Total Technical Marks				100			

Note: A firm not achieving Minimum technical passing marks (70) will be rejected.


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 Director, NDW Dte.
 President

**Compliance of BOQ Requirements
Procurement of Data Warehousing Solution
Tender # NADRA-HQ-RFB-16/2024**

a) DATA WAREHOSING SOLUTION					
S#	Item	Details	M/s Techaccess Pakistan (Pvt) Ltd	M/s OraTech Systems	M/s Sapphire Consulting Services (Pvt) Ltd
1	Data Warehousing Architecture /Software Qty:2 (PR+DR)	1—The proposed architecture should use any RDBMS as its relational database management system, which support large and growing volume of data.	Comply	Comply	Comply
		2—DWH architecture can be easily integrated with BIGDATA platform. It should be able to support analysis on all types of data (Structured, Unstructured, Multi Structured and Spatial) coming in from various and complex data systems.	Comply	Comply	Comply
		3—Only on premises solution is required.	Comply	Comply	Comply
		4—The architecture shall support parallelism techniques to access the data for massive analytical, DSS processing as well as exceptional support for tactical processing.	Comply	Comply	Comply
		5- The database software should have 48 active core or equivalent.	Comply	Comply	Comply
		6—To cater the futurist growth, the proposed system must be up gradable in terms of processing power and space management.	Comply	Comply	Comply
		7— Proposed software must be in Leaders Gartner Magic Quadrant in latest publication for Enterprise Data Warehousing Solution. Reference document must be provided.	Comply	Comply	Comply
		8—The architecture should support a parallel mechanism while using index technique e.g. Bit map, Join Index, Non Hashed/Hash index for better multi table joining and reporting	Comply	Comply	Comply
		9—The architecture should handle complex queries involving multi-way joins, aggregations and regression analysis. The RDBMS should support maximum level multiway joins and ensure performance as the number of multiway joins increases.	Comply	Comply	Comply
		10—Enabling easy and timely access of critical data via ad-hoc querying, reporting and analytical capabilities.	Comply	Comply	Comply
		11—Cross platform queries should be possible across the systems provided by the bidder (i.e. Teradata, Oracle, SQL-Server, MySQL, PostgreSQL,DB2 and Mongo Db etc.	Comply	Comply	Comply
		12 Proposed Database must be installed in cluster mode using native software for high availability.	Comply	Comply	Comply
		13—Database should have built in Analytical capabilities with Python and R integration.	Comply	Comply	Comply
		14—Database must have built in support for data conversion/cleansing, Geospatial and time series functions.	Comply	Comply	Comply
		15—Database to provide automatic workload repository, automatic diagnostics, and Automatic advisory on overall system performance.	Comply	Comply	Comply
		16- Instead of default, a customized installation of the database is required.	Comply	Comply	Comply

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17-The version of database engine at the time of installation must be the latest one along with latest patch level.	Comply	Comply	Comply
18- The solution should support real time uni-directional replication between Primary and Disaster site database. Disaster site database must be accessible/open for read only purpose. The required Replication software with appropriate licensing must be provided in the solution.	Comply	Comply	Comply
19-The solution should have robust compression capabilities.	Comply	Comply	Comply
20-It Should support industry standard encryption of data-at-rest/in replication. Required license should be included in the solution.	Comply	Comply	Comply
21-The solution should support data that is available at multiple levels of granularity and be able to intelligently aggregate at the appropriate grain.	Comply	Comply	Comply
22-The solution should support incremental loading of dimension and fact tables, including fact-dimension relationships.	Comply	Comply	Comply
23-It should have database inmemory feature.	Comply	Comply	Comply
24- Must have an automatic recovery mechanism in case of logical or physical failure.	Comply	Comply	Comply
25-The solution must be capable of accessing dataset on object storage available on premises.	Comply	Comply	Comply
26-There must be such controls available in database which can restrict the users to access non-allowed resources in it until allowed. There must be complete audit trail available.	Comply	Comply	Comply
27-The solution should have a sophisticated common management system/console for enabling data administration team to perform user management, policy and role based access management ,data management, components management and hardware management.	Comply	Comply	Comply
28-For easy and better administration and maintenance, solution should have a portal (GUI and web-based management tools) targeted toward IT professionals & based upon automatic self-management.	Comply	Comply	Comply
29-The proposed database software should have security features which are industry compliant.	Comply	Comply	Comply
30- The database backup/restore solution must be provided with the DWH solution for Primary site only. The backup software with FC based RTL of 1xLTO9 drive with media encryption and minimum 14 slots enabled/licensed. 5 LTO tape cartridges & labels and 5 Cleaning tapes with labels must be provided with complete solution deployment and configuration.	Comply	Comply	Not Comply/ Nnt Provided
31- The installation services related to the database and its related utilities must be included within the scope of this project, which will be responsibility of the principle .	Comply	Comply	Comply
32- The DB software will be installed on " Proposed Hardware for Data Warehousing Platform" mentioned at Serial #2.	Comply	Comply	Comply
33- The database and its related utilities software license must be provided in accordance with proposed hardware architecture	Comply	Comply	Comply
34-Proposed database software release must not be End of Support (EoS) by the Principal within the next three years after the submission of bidding documents	Comply	Comply	Comply
35- Three (03) years 24/7 direct support from the Principal must be provided.	Comply	Comply	Comply

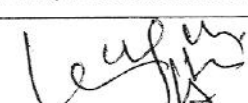
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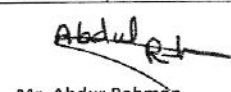
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c) Utility Servers (ETL)			(Qty: 02)		
S #	Feature	Details	M/s Techaccess Pakistan (Pvt) Ltd	M/s OraTech Systems	M/s Sapphire Consulting Services (Pvt) Ltd
1	Processor	2 x Intel Xeon Silver series (equivalent or higher).	Comply	Comply	Not Comply (Not Provided)
2	Cores	Min 12 core 2.1 GHz or higher	Comply	Comply	
3	Cache	Min 20 M	Comply	Comply	
4	Memory	64x8=512 GB per node (scalable to 3TB) RDIMM Dual Rank	Comply	Comply	
5	Chassis/Drives	2U, 2 x 480GB (or higher) SSD for mixed-use with RAID1, Hot Swappable. 4 x 1.2 TB SSD or higher, 2.5 inch, Hot Swappable with RAID5.	Comply	Comply	
6	Raid Controller	Dedicated Raid controller with 4GB or higher cache (NVRAM or Flash cache without need of batteries or equivalent).	Comply	Comply	
7	PFA (Productive failure Analysis)	PFA for processors, memory, disk drives, PCI express slots, expansion cards and system battery and etc.	Comply	Comply	
8	Network Interfaces	2 x 25 Gb, 2 x 10Gb LAN adapter with transceivers and cables, 2 x 1Gb BaseT (with branded cables in two colors)	Comply	Comply	
9	FC card	16/32Gb FC HBA (with FC cables) compatible with Data Warehousing hardware.	Comply	Comply	
10	Misc.	Dual Hot-swappable Power Supply with Power cords, Universal Rack mounting Kit with cable Management Arm.	Comply	Comply	
11	Warranty/Support	Three (03) years warranty (Parts and labor), 24/7 back to back OEM/Principal Support. Non-Returnable faulty data storage media.	Comply	Comply	
12	End of Life & Support	Proposed Servers must not be end of sale within next one year and must not be End of support (EoS) by the OEM/Principal within the next six years after the submission of bidding documents.	Comply	Comply	
13	Others	Proposed Server must support leading Operating Systems (OS) and hypervisors including VMWare, Hyper-V, RHEL, Oracle-Linux, CentOS and Microsoft Windows.	Comply	Comply	


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