

**GOVERNMENT OF BIHAR
SCHEDULED CASTE AND SCHEDULED TRIBES
WELFARE DEPARTMENT**

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CORRIGENDUM-4

Corrigendum-4

Date:-03/07/2015

Director, Scheduled caste and Scheduled Tribes Welfare Department, Government of Bihar invited request of Proposals from reputed Software Development Agencies for an Integrated E-Scholarship Management solution of the Department on a turnkey basis, wide published in various newspapers on 14th May 2015 and proposal were due for receiving up to 07th July 2015 at 15:30hrs. Bidder should take note of the following points:-

1. It is hereby informed to the all potential bidders that due to some unavoidable circumstances the submission of bids/Proposals has been re-scheduled for July 15th, 2015 at 15:00 hrs.
2. The clauses of the bid stand amended with this corrigendum-4. The original copy of this corrigendum -4 shall be enclosed with original technical bid and copy should be enclosed with the copy of technical bid. Bidder should take note of the following revised technical response based on bidders queries and clarification points:-

3. 21.4 System Software Requirement (Old Clause no. as per RFP) Clause no 21.4 of Commercial Bid

Old Clause as per RFP			New Clause after amendment		
S,no	Old Clause	Qty	S.no	New Clause	Qty
1	Enterprise Database Server Software Oracle latest	4	4	Enterprise database latest(Oracle/SQL Server or IBM DB-2)	4

4. Old Clause Page No 69 16.1 and Point No 6 Replace with New Clause

Old Clause	New Clause
Proposed Solution should support each of the following Operating Systems i.e. Microsoft Windows , UNIX ,Linux.	Proposed Solution should support Microsoft Windows/Linux.

5. Clause No 13.1.1 Database Specification (Page No 56) now with revised Specification of database given below:

Specification Of System Software	Compliance Yes/No
Enterprise Database Specification(Oracle/SQL Server or IBM DB-2)	
Commercially available Enterprise Edition RDBMS with patches and updates available from OEM for project period	
Should be open standard and latest version.	
Database License should be un-restricted, to prevent any noncompliance in an event of customization & integration.	
Must support standard SQL Tool for accessing the database having the capability to monitor, maintain and manage the database instance, objects, and packages.	
Must ensure inter-dependency of user concurrency and data consistency. Should provide non-escalating lock mechanism and multi version read consistency for the transaction processing.	

CORRIGENDUM-4**Integrated E-Scholarship Management solution**

Should provide database level storage management mechanism for improving availability by means of redundancy and automatic balancing of data across the available disks, i/o balancing across the available disks to have better performance.	
Support for central storage of data with multiple instances of database in a clustered environment access the single database.	
Should support connection pooling, load sharing and load balancing when the load on the application increases.	
Must permit connectivity using native connectivity, JDBC, ODBC and connectivity to various technologies like .NET, ASP, Java etc.	
RDBMS should provide native functionality to store XML data, Images, Text within the database and support search, query functionalities on such type of data	
Should be able to compresses table data during all types of data manipulation operations, including conventional INSERT or UPDATE. It should also be able to compress structured and unstructured data, compress data while backing up through utilities and while data is transmitted over the network to minimize data transmission time.	
With multiple processors, RDBMS should have built in capability to utilize all the processors to optimize query processing.	
RDBMS should have built-in backup and recovery tool that can handle online, incremental backup. RDBMS should facilitate the media recovery, partial recovery and full recovery and handle block level corruption.	
It should be able to recover rows, tables when accidentally deleted. The system should provide ways and means of recovering database objects i.e. tables, indexes and subset of data.	
Database should have built-in DR solution to replicate the changes happening in the database to the DR Site with an option to run real-time reports from DR Sites without stopping the recovery mechanism.	
RDBMS should support native, clustering with objectives of scalability and availability. The solution should provide single image database concurrently accessed by multiple database servers, without repartitioning or changes to the database objects or 3rd party transaction routing mechanisms.	
Should provide functionality to replicate / propagate the data across different databases. Ability to add nodes to cluster on fly with no downtime without unloading/ reloading data.	
Should include tools for enterprise class high availability solution like monitoring performance, diagnose and alert for problems, tuning bottlenecks, resource monitoring and automatic resource allocation capabilities.	
Should provide Single system management view for database / database cluster.	

6. Other Specification of system software and Conditions remain same as per RFP Document

7. Oracle Certified DBA replace with Oracle/IBM DB-2/Microsoft SQL Certified DBA.

Sd/-
Director
Scheduled caste and Scheduled Tribes Welfare Department,
Government of Bihar