

Expression of Interest

for

Implementation of Complete solution

for

Centralized Inventory Management System

for

Stationery Godowns and Branches of Bank



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Oriental Bank of Commerce
Department of Information Technology
Head Office
New Delhi

EOI DETAILS

S.No.	Activity	Date
1.	Date of Commencement of EOI Process	19-10-2009
2.	Last Date and time of sale of EOI documents and EOI submission	03-11-2009 (5:00 P.M.)
3.	Date and time of EOI opening	4-11-2009 (2:00 P.M.)
4.	Place of opening EOI	Oriental Bank of Commerce Head Office Deptt. of Information Technology 4 th Floor, F – 14, Competent House Connaught Place New Delhi – 110001
5.	Address for Communication	As above Tele. 011-23325590 011-23315634 Fax. 011-23310013 e-mail : dit@obc.co.in
6.	Cost of EOI	Rs. 5000/-

Note: EOI shall be opened in the presence of Vendor's representative who may choose to attend, but persons attending must have clear cut authorization to attend.

1. Objective and Purpose of EOI

Oriental Bank of Commerce is a leading Public Sector Bank with more than 1500 branches / offices spread across the country. The Bank has a three tier organizational setup – Branches, Regional Offices & Head Office. There are 29 Regional Offices reporting to the Head Office.

OBC requires to procure a comprehensive Inventory Management System to be implemented at its Stationery Cell, Head Office, Stationery Godowns, branches and other offices.

The Objective of this EOI is to identify appropriate solution and potential technically competent and commercially competitive potential bidders for supply, installation, operationalization and maintenance of completely centralized Inventory Management Solution for Bank's Stationery Godowns. After receipts of EOI, Bank will invite the eligible vendors for demonstrating their complete techno functional products being offered to the Bank. Based on the above demonstrations the Bank may shortlist the vendors and only these shortlisted vendors will be allowed to participate in further tendering process.

2. Vendor's Eligibility Criteria

The following is the eligibility criteria for vendors for making EOI:-

- (i) Vendor should be an established Company (incorporated in India) / Firm with an average annual turnover of INR 35 Crore or more and earning profit in the last three financial years.
- (ii) Company / firm should be System Integrator having experience of executing large software projects for the last four years.
- (iii) Vendor must have its office at Delhi, which will directly deal with the Bank and the vendor must have a dedicated technical manpower at Delhi location to maintain and support offered Inventory Management System as well as to meet any new development requirement immediately.
- (iv) Vendor must have implemented the same Application Software for Centralized Inventory Management in at least two large Organizations out of which one should either be a Bank or a leading Retail Chain with more than 150 outlets. The solution must be working satisfactorily for a period of at least three years and a certificate to the effect from the Bank / Organisation must be submitted along with the EOI.
- (v) Vendor must not be a blacklisted company declared by any regulator/ statutory organization or Public Sector Companies / Banks in India.

3. Scope of Work

The broad scope of work shall be as under:

- (i) System Integration for complete Inventory Management Solution including Supply, Installation and maintenance of Inventory Management Solution based on latest technology which shall inter alia include the application software, hardware, operating system, middleware, system software etc.
- (ii) Integration of the solution with Bank's Wide Area Network.

- (iii) To conduct system study to understand the Bank's requirements and do the required customization in the software to meet complete functional, operational and MIS requirement of the Bank.
- (iv) The vendor shall put in place master creation utilities as per requirement of the Bank.
- (v) Complete Sizing of the solution including Hardware, Software, Operating System, and RDBMS etc based on the sizing parameters given in this EOI. Vendor should provide proper justification for the same.
- (vi) To provide necessary training to Bank's team on administration of the system and User Training to staff of stationery Godowns .
- (vii) The vendor(s) must provide 3 years comprehensive on-site warranty on Hardware, Operating System and 1 year for Application Software and RDBMS offered including all required softwares to run the application. The vendor(s) must undertake to provide Post Warranty Maintenance Support for Inventory Management System after expiry of warranty period. The vendor shall provide service/support on 7 days a week basis (10:00AM to 06:00 PM) with maximum 4 hours response time unless specified otherwise.

4. Functional Requirements

Oriental Bank of Commerce presently has nine stationery Godowns at Ahmedabad, Bhopal, Lucknow, Faridabad, Hyderabad, Jaipur, Kolkata, Mumbai, and Patiala. Administration of all nine stationery godowns is controlled by stationery section of Services Deptt. at HO, New Delhi.

Presently the stationery department of Oriental Bank of Commerce functions manually by keeping all the records in registers and Ledgers.

Central Store (Godown) is located at Faridabad which sends the stationery items to the other Stationery Godowns located all over India except Security Items which are sent by Stationery Godown Faridabad to branches / RO's. Non Security items are also sent directly to the new branches being opened and are being serviced for the first time and do not come under jurisdiction of Stationery Godown Faridabad. The controlling body is Services Dept. (Stationary Section) Head Office New Delhi.

The proposed Inventory Management System is required for both General and Security items and should support following functionalities:-

- (i) It should be a purely web Based dynamic System and developed based on the maker, checker concept and on role-based functionality.
- (ii) Indent-Receipt, Acknowledgement-of-Receipt for items dispatched.
- (iii) Receive Stock and enter the inventories in System

- (iv) Sanction of Quantity
- (v) Raise Purchase Order
- (vi) Administration
 - a. User creation
 - b. User deletion
 - c. Define User Roles
 - d. Define User Privileges
 - e. Assign privileges to users
- (vii) Comprehensive MIS Reports with Report Generation facility in the system for generating reports as required by bank from time to time.
- (viii) Centralized Inventory Management System should have provision to include addition of Newly Created Godowns, branches, R.O.s etc.
- (ix) Merger of Godowns in case if such a situation arises.
- (x) Addition of approved Printers for stationery printing.
- (xi) Addition of Item Codes.
- (xii) Delisting of Item Codes which are no longer to be procured.
- (xiii) Delisting of Printers as per IBA notification/ Bank's discretion.

Work Flow at Godowns & Stationery Cell, Head Office for Computerisation & interconnect of All Stationery Godowns & Stationery Cell, Head Office

I. Security Items :

A. MICR instruments with Branch Code & Address (Code allotted by RBI)

- (i) Requisitions specifying item wise quantity required are sent by branches / R.Os to Stationery Cell, Services Dept. Head Office.& to Stationery Godown Faridabad by fax / courier / scanned copy through email. The requisition will invariably bear the signature of Branch Incumbent / authorized official.
- (ii) Stationery Cell, Head Office, after checking the stock at the branch and average consumption, will place order (Purchase Order to be generated by system) with the printers for printing. Stationery Cell, Head Office can modify the order quantity if it feels so, which will be stored separately.
- (iii) Printed stationery will be delivered by the printer directly to Stationery Godown Faridabad. **This constitutes receipt at Stationery Godown Faridabad i.e. addition of stock.**

- (iv) Stationery Godown Faridabad sends the security items directly to the branches, as per challan of the supplier. **This constitutes issue of stock from Stationery Godown Faridabad which will be stock in transit to the branches.**
- (v) The item wise stock at any point of time at Stationery Godown Faridabad will be **opening stock+ addition of stock (receipts) – issue of stock to branches.**
- (vi) The respective branches/RO etc, upon the receipt of the Security items, send acknowledgement to the Stationery Godown Faridabad. In case if the acknowledgement is not received by Stationery Godown Faridabad then it sends 3 reminders, each after a defined interval of time to the branches which have not sent acknowledgement, after which, branch wise report shall be communicated to the concerned regional office with copy to (i) DGM Services & (ii) DGM, I&C.

B. MICR instruments (Blank Station) i.e. without Branch Code & Address

- (i) Requisitions specifying item wise quantity required are sent by branches / R.Os to Stationery Godown Faridabad by fax / courier / scanned copy through email. The requisition will invariably bear the signature of Branch Incumbent / authorized official. Based on requisitions, Stationery Godown Faridabad issues items to the branches / R.Os from the buffer stock held by it. Modification of quantity requisitioned can be effected by Stationery Godown Faridabad in case if needs be, will be stored separately.
- (ii) The godown obtains branchwise position for each item viz. Stock & Average consumption. Based upon the stock & past average consumption, Stationery Godown Faridabad requests the Stationery Dept. Head Office to place order with printers so as to maintain buffer stock for at least 3 months consumption. Stationery Cell, Head Office can also alter the order quantity if it feels so, which will be stored.
- (iii) Printed stationery (Security Items) will be delivered by the printer directly to Stationery Godown Faridabad. This constitutes receipt at Stationery Godown Faridabad i.e. addition of stock. Buffer stock is maintained at Stationery Godown Faridabad.
- (iv) Stationery Godown Faridabad sends the security items directly to the branches/R.O. etc. This constitutes issue of stock from Stationery Godown Faridabad which will be stock in transit to the branches.
- (v) The item wise stock at any point of time at Stationery Godown Faridabad will be opening stock+ addition of stock (receipts) – issue of stock to branches.
- (vi) The respective branches/RO etc, upon the receipt of the Security items, send acknowledgement to the Stationery Godown Faridabad. In case, if the acknowledgement is not received by Stationery Godown Faridabad then it sends 3 reminders, each after a defined interval of time to the branches which have not sent acknowledgement, after which, branch wise report shall be communicated to the concerned regional office with copy to (i) DGM Services & (ii) DGM, I&C.

In respect of Security Items, both MICR with branch codes & address & MICR with blank station, except for Stationery Godown Faridabad, no other godown comes into picture.

II. Non Security Items

- (i) Requisitions specifying item wise quantity required are sent by branches/R.O. etc. to the respective Stationery Godowns under whose jurisdiction the branch/R.O. etc. comes. The newly opened branches / R.Os send their first requisition for specimen signature booklets to Stationery Godown Faridabad.
- (ii) Individual godowns dispatch items from their stock to the branches / R.Os under their jurisdiction. Itemwise balance stock will be available at every godown at any point of time. Every godown shall also enter his item wise projected requirement for the next month. Data shall be consolidated by the system itemwise (presented as rows in the report) under each godown (presented as columns in the report). Under each godown the sub columns will be Month Opening Stock, Receipts during Month, Issues during Month, Closing Balance & Quantity Requisitioned for next month. The Total Position of all Godowns itemwise will be shown as the last column with sub columns Total Consumption of All Godowns, Closing Balance of all godowns & Quantity requisitioned for all godowns.
- (iii) Stationery Godown Faridabad can alter any of the projected requirements for any item of any Godown which will be stored separately in addition to sub columns mentioned in point 2 above. Average quantity issued to any location(Branch/RO etc.) for a particular period will be shown by the system.
- (iv) The above position, post alteration, will be available to Stationery Cell, Head Office. Stationery Cell HO can also alter quantity which will be stored separately and will be used to generate Purchase Order with the printers for printing..
- (v) Printed stationery (Non Security Items) will be delivered at Stationery Godown Faridabad. This will be entered as receipt at Stationery Godown Faridabad.
- (vi) Stationery Godown Faridabad will then issue items to respective Godowns / ROs / branches under its jurisdiction. **This constitutes issue from Stationery Godown Faridabad & receipt at the concerned Stationery Godown i.e. addition of stock in case if items are sent from Stationery Godown Faridabad to another godown.**
- (vii) Inter godown transactions to be allowed. Also in exigencies, inter jurisdiction transfer of items are to be allowed i.e. a particular stationery godown supplying items to a branch / R.O. not under its jurisdiction.
- (viii) Provision for Items received by a godown issued for its own consumption also to be allowed.
- (ix) The respective branches/RO etc , upon the receipt of the Non Security items, send acknowledgement to the Stationery Godown. In case if the acknowledgement is not received by Stationery Godown then it sends 3 reminders, each after a defined interval of time to the branches which have not sent acknowledgement, after which, branch wise report shall be communicated to the concerned regional office with copy to (i) DGM Services & (ii) DGM, I&C.

In respect of Non Security Items, all Stationery Godowns come into picture.

Details pertaining to receipts at Godowns & issues from Godowns is as per norms , practices & formats maintained at Godowns.

- I. The following situations are possible:
 - a. Part servicing of a requisition from a branch.
 - b. Complete servicing but short delivery to the branch.
 - c. A requisition is to be serviced either in part or full only once. Any balance quantity needs to be accommodated through a fresh requisition.
- II. Valuation of stocks (Inventory valuation for insurance, balance sheet & despatch)
 - a. Security Items have distinct numbers associated with them, as such, receipts and issues can be coordinated using the distinct numbers. As such, it is relatively easier to arrive at exact valuation of stock in case of Security Items. Value of Security items will be provided during order phase.
 - b. Non Security items do not have distinct numbers and as such, it is not possible to coordinate / associate valuation to issues from a stock of individual items which may have multiple receipts at different values (prices). In such case, prevalent inventory valuation technique viz. FIFO method will need to be applied, as per policy of the bank and stock for each item will be maintained at godowns alongwith date of receipt and rate against them and will be issued in FIFO method.
- III. Petty Expense Accounting at Stationery Godowns
 - a. At present all petty expenses relating to godowns viz. packing, purchase of consumables, conveyance, labour, transportation etc. are maintained manually and are transacted through Imprest account of the branch.
 - b. Petty expenses can also be computerized whereby the day to day expenses incurred by any godown can be entered datewise through a menu option. The expenditure position at any godown can be downloaded at any time by the Stationery Cell, Head Office.
- IV. Reports desired at Stationery Cell Head Office
 - a. Itemwise position at any godown. Opening Balance, Qty. Recd & its valuation, Qty issued & its valuation, Closing Stock & valuation for any item or all items i.e. total inventory for Security Items (MICR with branch codes & address/ MICR – blank station) & Non Security Items whichever selected and also consumables purchased & used by godowns.
 - b. Printer wise order placed & quantity supplied to any godown with value.
 - c. Billed amount including VAT. TDS shown separately.
 - d. Date wise , Branch wise supplies made by the godowns for any item / all items.
 - e. Supply to any location and average issue to any location by any godown for a particular period.
- V. Reports desired at Individual Godowns
 - a. Itemwise position at any godown. Opening Balance, Qty. Recd & its valuation, Qty issued & its valuation, Closing Stock & valuation for any item or all items i.e. total inventory for Security Items (MICR with branch code &

address / MICR – blank station) & Non Security Items whichever selected and also consumables purchased & used by godowns. Any godown can see position at other godown both individual itemwise and total inventory.

- b. Printer wise order placed & quantity supplied to the godown with value.
- c. Supply to any location and average issue to any location by the godown for a particular period.

Please note that above is illustrated requirements and detailed scope of the project shall be assessed by the short listed vendor through comprehensive System Study of the Bank, **Further reports and queries which are to be generated will need to be discussed & crystallized as per our requirements.**

5. Technical Requirements

- (i) The System Architecture of proposed solution should be able to support high availability through clustering of servers with committed uptime of 99% to be calculated on monthly basis.
- (ii) There should be a facility to take offsite/onsite Backup/Recovery of Data and Application.
- (iii) **Sizing parameters :**
 - Maximum no. of users spread across 1500+ locations : Unlimited
 - Maximum no. of Concurrent Users: 200
 - Total average daily transactions per day : 5000
(Across all Godowns)
 - Average Growth of Transaction per year (%):15%
- (iv) The sizing of the solution should be done keeping in view all the above points and a detailed sizing document incorporating proposed system architecture the parameters and justifications must be submitted along with the EOI.
- (v) The Bank requires a web-based Inventory Management System with centralized architecture customized to automate workflow of all processes as specified in this EOI document.
- (vi) The solution must be sized to provide a reasonably good response time on the user terminal with about 200 concurrent users.
- (vii) Proposed solution should ensure all security aspects viz. Database Security, Application Access Security, Communication channel security, User level Security, etc.
- (viii) It would be vendor responsibility to ensure that the proposed hardware, software, middleware etc meet the complete requirement of the Bank within stipulated performance parameters.

- (ix) Interface with the Bank's Core Banking Solution viz. Finacle 7.0.x and others applications.
- (x) The vendor shall be required to put in place master creation utilities as per requirement of the Bank before the project goes live and provide necessary training to Bank's team on administration of the system and User Training to staff of stationery Godowns .

6. EOI Process

6.1 Document Purchase and EOI Submission

The interested eligible vendors may download this EOI document from the Bank's website, i.e., www.obcindia.co.in from 19-10-2009 till last date for EOI submission.

The Bank shall not consider any request for extension of date for EOI submission on account of late downloading of EOI by any vendor. The EOI document not accompanied by the Demand Draft / Pay Order of requisite amount shall be out rightly rejected.

Sealed EOIs addressed to the Dy.General Manager (IT), complete in all respects, along with draft / pay order of Rs.5000/- on account of participation fee should be delivered to the Bank during working hours from 10:00 AM to 02:00 PM on Saturdays and 10:00 AM to 05:00 PM on weekdays, on or before 03-11-2009 5 P.M .

EOI has to be dropped in the Tender Box placed at the following address:

Oriental Bank of Commerce,
Department of Information Technology, Head Office
4th Floor, F-14, Competent House,
Connaught Place, New Delhi – 110 001

In the event of the specified date for EOI submission being declared a holiday for the Bank, the EOIs will be received up to the appointed time on the next working day.

6.2 Cost of EOI Preparation

The vendor shall bear all costs associated with the preparation and submission of its EOI and the Bank will, in no case, be responsible or liable for these costs, regardless of the conduct or outcome of the EOI process.

6.3 Submission of EOI

Any EOI received by the Bank after the last date for EOI submission will be rejected and returned unopened to the vendor, if the vendor desires so.

6.4 Clarifications of EOI

A vendor requiring clarification on any point mentioned in the EOI document may notify the Bank in writing or by fax/e-mail at the address indicated below on or before 26-10-2009:

Dy. General Manager (IT)
Oriental Bank of Commerce
F-14, 4th Floor, Competent House,
Connaught Place, New Delhi – 110 001

Phone: 011 – 23325590, 23358467

Fax: 011-23310013

E-mail: dit@obc.co.in

6.5 Amendment to EOI Contents

At any time prior to the last date for EOI submission, the Bank may, for any reason, whether at its own initiative or in response to clarification(s) requested by a vendor, modify the EOI contents by amendment.

Amendment will be published on Bank's website, and will be binding on all participating vendors. The Bank shall not be liable for any communication gap.

In order to provide vendors, reasonable time to take the amendment into account for preparation of their EOI, the Bank may, at its discretion, extend the last date for EOI submission.

6.6 EOI Features

6.6.1 Language of the EOI

The EOI and supporting documentation must be in English only.

6.6.2 Validity Period

The EOI shall be valid for a period of six months from the last date for EOI submission. Any EOI valid for a shorter period shall be rejected by the Bank as non-responsive.

6.6.3 Format & Signing of EOI

Each EOI shall be made in the legal name of the vendor and each page of it shall be signed and duly stamped by the vendor or a duly authorized person to sign on behalf of the vendor. Any interlineation, erasure or overwriting shall be valid only if these are initialed by the person(s) signing the EOI.

Executive(s) representing the vendor should be duly authorized to sign the EOI, interacting with the Bank for all sorts of communication. A letter of this intent, issued by the Proprietor, CEO, Director, or any top level executive, authorizing representing executive(s) should be submitted as part of the EOI.

6.7 EOI Essentials

The EOI must contain the following.

- (i) Letter authorizing representing executive(s);
- (ii) Compliance with Vendor's Eligibility Criteria.
- (iii) Supporting Documentary Evidences and Certificates conforming the Eligibility Criteria.
- (iv) Vendor's General Information (Annexure I);
- (v) Point wise compliance with the Scope of Work, Functional Requirement, and Technical Requirements.
- (vi) Details of Hardware, Software (Operating System, Application Server, Database Server, etc) required for implementation of Inventory Management System.
- (vii) Reference Site Details (Annexure II)
- (viii) Proposed Hardware, Software etc for the product offered to Bank (Annexure III)
- (ix) Product Brouchers containing detailed description of essential technical and performance characteristics of all applications and system software and hardware for IMS.
- (x) Audited Balance Sheet and Profit and Loss Account document for last three years.
- (xi) Electronic copy (MS-Word / Excel format) of EOI burned on a CD-ROM. If there is variation in hard copy and soft copy of the EOIs, hard copy will be treated as final.

6.8 EoI Submission and Evaluation

The vendor will submit its response to the Request for EoI, packaged as a set of following envelopes:

Demand draft / Pay order of Rs. 5,000/- as participation fee, in a sealed envelope superscribed as **Participation Fee**;

The EoI containing documents enlisted in *Section 6.7 – EOI Essentials*, in a sealed envelope superscribed as **EoI**; and

The Bank expects the vendor to carefully examine all instructions, etc., mentioned in this Request for EoI document before submitting its unconditional compliance as part of the EoI. Failure to furnish all information required or submission of an EoI not substantially responsive to the Request for EoI in every respect will be at vendor's risk and may result in the rejection of its EoI without any further reference to vendor.

6.8.1 EOI Evaluation

The EoIs will be opened in presence of the Bank's officials and vendors' representatives who choose to attend, at the time, on the date and at the place

that will be communicated to them by the Bank. The vendors' representatives who are present shall sign a document evidencing their attendance.

The Bank will evaluate the received EOIs to verify their compliance to the *Vendors' Eligibility Criteria*, and *Scope of Work*.

6.8.1.1 General Evaluation

The Bank will examine the EOIs against Vendor's Eligibility Criteria mentioned in the EOI.

The Bank will examine the EOIs to determine whether they are complete, whether Participation fee, and required documents have been furnished, whether the documents have been properly signed, and whether the EOIs are generally in order.

The Bank may waive any minor informality, nonconformity, or irregularity in an EOI which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any vendor.

During evaluation of the EOIs, the Bank may, at its discretion, ask the vendor for providing clarification on any point mentioned in its EOI. The request for clarification and the response shall be in writing.

6.8.1.2 Technical – Functional Evaluation

The EOI containing all the documents mentioned in *Section 6.7 – EOI Essentials* shall be evaluated as per the criterion determined by the Bank. The Bank will evaluate EOI on the following broad criteria.

- (i) The offer shall be evaluated based on the offered solution vis-à-vis requirements of the Bank.
- (ii) Bank will invite the eligible vendors for demonstrating their complete techno functional products being offered to the Bank.
- (iii) Preference shall be given to vendors who have already implemented similar solution in a Bank.
- (iv) Least customization
- (v) Easy Maintainability, Parameter based

Vendor's General Information

Sr.	Information required	Information to be filled by the vendor		
1.	Name of the vendor			
2.	Year of starting operations			
3.	Constitution of the vendor, i.e., Limited Company, Private Limited Company, Partnership, Sole Proprietorship, or any other type			
4.	Vendor's registered address			
5.	Vendor's corporate address			
6.	Name(s) of partner(s), if applicable			
7.	Address(es) of partner(s), if applicable			
8.	Name(s) of the authorized executive(s)			
9.	E-mail address(es) of authorized representative(s)			
10.	Phone nos. of authorized representative(s)			
11.	Fax nos. of authorized representative(s)			
12.	Number of years of experience in Software development			
		During FY 2006- 07	During FY 2007- 08	During FY 2008- 09
13.	Net Profit (Rs. in crore)			
14.	Total Turnover (Rs. in crore)			

Signature**Seal of the vendor**

Annexure II

Reference Site Details

Sr.	Information required	Information to be filled by the vendor & referred client	
1.	Project Name		
2.	Project Location		
3.	Client Name		
4.	Client Address		
5.	Client Contact / Reference Person(s)	Name	
		Address (if different from above)	
		Telephone	
		Fax	
		Mobile	
		E-mail	
6	Project Started (month/year)		
7	Project Elapsed Time (months)		
8	Man-months effort		
9	Names of Senior Project Staff	Project Director	
		Project Manager	
		Project Leader	
10	Project Team Size		
11	Nature of Project		
12	Role of the company, whether complete end-to-end involvement or for a particular module		
13	Project Details	Hardware Installed (Make/Model)	
		Operating System	
		Application Software	
		Network Topology	
		Programming Languages	
		Middleware	

		Security Features	
		Support/Maintenance obligations	
14	Start date when the agreement was signed		
15	Implementation Duration		
16	Test-run Date		
17	Go live date for pilot offices		
18	Go live date for all offices		
19	Which module and version of the software are being currently used?		
20	Are there any other system used in conjunction with the application software like front-end system etc.? Please provide details, if any.		
21	Number of branches/offices using the software		
22	Modules used at Head Office / Central Office		
23	Modules used at other offices/branches		
24	Number of employees and users using the Software		
25	Number of transactions processed per day at the reference site		
26	Number of maximum number of online users in any office/branch where modules are installed/ accessible and specify all modules that are in concurrent use		
27	State, if any, interfaces to external systems are implemented at this site		

Signature of the Referred Client

(With Seal)

Name of the Signatory:

Designation:

Place:

Date:

Annexure III

Bill of Material (Hardware) (Without Price) :

Sr.	Item	Quantity	Particulars
1	App Server/DB Server		
3	Any other equipment		

Bill of Material (software)) (Without Price) :

Sr.	Item	Particulars
1	Operating System	
2	RDBMS	
3	Application Software	
4	Any other software, middleware etc	