

MAHARASHTRA STATE ROAD TRANSPORT CORPORATION, EDP CENTRE,  
NEW ANNEXE BLDG., 4<sup>TH</sup> FLOOR, J.B.B.MARG, MUMBAI-400008, TELEPHONE :  
23024089

MSRTC is inviting sealed Open Tender from the eligible agencies for **AMC of two IBM Servers alongwith Expertise Services for porting Cobol compiler, existing Cobol database with applications and configuration of hardware.**

1	Cost of Blank Tender Form	Rs.113/-
2	Date of commencement of sale of tender document	04/09/2009 to 25/09/2009 between 10.00 hrs. to 13.00 hrs. on working days (except Sunday, 2 <sup>nd</sup> /4 <sup>th</sup> Saturday & Bank Holiday)
3	Last Date of submission of Tender Form	On or before 25/09/2009 upto 13.00 hrs. (except Sunday, 2 <sup>nd</sup> /4 <sup>th</sup> Saturday & Bank Holiday) (Tenders received by post will not be considered).
4	EMD	Rs.5,000/- (Cash/DD) alongwith Tender Form

Pre-qualification criteria, the terms & conditions & specifications of jobs are specified in tender document. The tender document can be obtained from our office on payment of Rs.113/- in cash. It can also be downloaded from our website [www.msrtc.gov.in](http://www.msrtc.gov.in). However demand draft of Rs.113/- in favour of "MSRTC Fund A/C" payable at Mumbai towards cost of such downloaded tender form should be enclosed while submitting the tender, failing which the tender will be disqualified.

Dy.General Manager(EDP)

MAHARASHTRA STATE ROAD TRANSPORT CORPORATION  
EDP CENTRE, NEW ANNEX BLDG.,4TH FLOOR,J.B.B.MARG,MUMBAI-400008  
Telephone : 23024089

TENDER NO.ST/EDP/OT/ 1850  
Tender Closing Time : 1300 hrs.  
Tender Opening Time : 1430 hrs.

DUE ON : 25/09/2009

To,

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Sub : AMC of two IBM Servers alongwith Expertise Services for porting  
Cobol compiler, existing Cobol database with applications and  
configuration of hardware.

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Dear Sir,

The Dy.General Manager(EDP), EDP Centre, J.B.B.Marg, Mumbai-400008 invites tender for AMC of two IBM Servers alongwith Expertise Services for porting Cobol compiler, existing Cobol database with applications and configuration of hardware from reputed agencies who may desire to quote. Firms applying for the tender forms should produce a letter of firm regarding issue of tender form. Tender form will not be issued without producing such letter. The representative attending at the time of opening of tender should produce letter of authority.

The tenders should be submitted in the office of Dy.General Manager (EDP), EDP Centre, S.T., Central Office, Mumbai Central on or before 25/09/2009 upto 1300 hrs. and same will be opened at 1430 hrs. on the same date. The specifications of the hardware & services for porting of COBOL compiler, database & applications from Fujitsu Team Server having SCO Unix Release 5.0.5 operating system to New IBM High End Server are enclosed at Annexure-'A', 'B' & 'C'.

Tender form can be obtained from this office on payment of Rs.113/- in cash/DD. Cash receipt should be enclosed while submitting the tender failing which the tender will be disqualified.

The tender document can also be downloaded from our web site **www.msrtc.gov.in**. However demand draft of Rs.113/- in favour of 'MSRTC Fund A/c' payable at Mumbai towards cost of such downloaded tender form should be enclosed while submitting the tender, failing which the tender will be disqualified.

The Earnest Money Deposit of Rs.5,000/- should be paid by Demand Draft favouring "MSRTC Fund Account", payable at Mumbai without which tender offer will not be considered. The firm has to enclose original receipt of EMD with tender offer without fail.

The Terms & Conditions of Comprehensive Maintenance Contract & required expertise services are as given below :-

- 1.The Maintenance Contract will be Comprehensive for both Preventive & Breakdown Maintenance for the period of one year.
- 2.The preventive maintenance will be carried out by the firm periodically once in a three months, which also includes cleaning of equipments & its accessories, peripherals apart from replacing worn out parts and anti virus treatment for systems if any.
- 3.In case, if any hardware is not repaired at same place or any part is required to be taken away from the machine, the same should be replaced by similar or higher version of part or provide standby in working condition till the defective equipment is not repaired/ replaced, so that work should not suffer for want of the same.
- 4.If in case hardware or it's peripherals are required to be repaired at workshop of the firm, the same can be taken with consent of MSRTC in writing. If hardware or any part could not be repairable due to non-availability of spares, then whole unit should be replaced with new suitable unit of similar or higher configuration unit immediately.
- 5.The breakdown should be attended immediately within 2 hours after registration of complaint and setright the same within twelve hours in any case.
- 6.The firm will have to provide support on all days including Sundays & Holidays.
- 7.The firm will have to quote total charges for AMC of two IBM Servers alongwith Expertise Services for porting Cobol compiler, existing Cobol database with applications and configuration of hardware.
- 8.The firm should comply the following prequalification criteria :-
  - a] The firm should be registered company. Please give Registration No.
  - b] The firm should have experience in the AMC of IBM servers.
  - c] The firm should provide list of the clients for whom they are rendering maintenance services with their addresses, telephone nos. & contact persons.
  - d] The firm should enclose Satisfactory Performance Certificate of the clients mentioned in above.
  - e] The firm should have skilled technical manpower in maintenance area. Please give details.
- 9.The firm should also be capable of rectifying all sorts of defects noticed during contractual period else same will be got done from third party & charges payable to third party will be recovered from maintenance charges payable to them &/or from Security Deposit.
- 10.Maintenance charges shall be paid to the firm at the end of each quarter for the corresponding period based on performance report submitted by concerned officials of MSRTC who is supervising the maintenance activity.
- 11.For normal breakdown & Preventive Maintenance, different call sheets should be provided after maintenance work is carried out.
- 12.The Security Deposit @ 10% of the AMC charges will be required to deposit by successful firm by cash or DD, in favour of “MSRTC Fund Account” payable at Mumbai. Validity of the Security Deposit will be of 15 months from the date of receipt of deposit or completion of all pending work/calls whichever is later.
- 13.The firm may if required inspect the hardwares mentioned above.
- 14.Penalty :- In the event if it is noticed/ reported that maintenance work is not done or the problem is not setright in time and properly, MSRTC may impose penalty not exceeding Rs.200/- per working day. The amount of penalty if any will be deducted from bills or Security Deposit. The discretion to waive the penalty, if imposed and

- found justifiable will be with the F.A.& C.A.O. of MSRTC. In case of any dispute the matter will be settled at the level of F.A.& C.A.O.
15. MSRTC shall have the right to terminate the AMC unilaterally in the event of dissatisfactory performance without giving any notice by MSRTC to tenderer.
  16. In case of withdrawal of AMC by the firm before expiry of contract period in that case the Security Deposit will be forfeited and maintenance charges payable to the firm will not be given to the firm.
  17. Since this is the job work of installation & porting of Cobol compiler, existing Cobol database with applications from Fujitsu Team Server to New IBM High End Server and configuration of hardware the firm should support to the migrated/ported compiler, data & applications for the period of one year.
  18. The firm has to ensure successful running of the entire job work in total. The successful running of the system means, the system should be run without fail. All applications should be tested on the New IBM Server & compatible to the old hardware (TSB) to check integrity of the applications, software, database.
  19. The firm has to complete the porting of Cobol compiler, existing Cobol database with applications & configuration of hardware within one month from the start date of AMC.
  20. The Dy. General Manager (EDP) reserves the rights to accept or reject the whole or any part of the offer and also have right to add/ delete/ modify any condition mentioned above before finalisation of the Maintenance Contract.

You are, therefore, requested to submit your competitive quotation in a sealed envelope addressed to the Dy. General Manager (EDP), EDP Centre, J.B.B. Marg, Mumbai-400008 superscribed as "Quotation for AMC of two IBM Servers alongwith Expertise Services for porting Cobol compiler, existing Cobol database with applications and configuration of hardware" on or before 25/09/2009 upto 1300 hrs. Please note that quotation after due date & time will not be accepted.

Thanking you,

Yours faithfully,  
For MSRTC  
Dy. General Manager (EDP)

ANNEXURE-'A'

SPECIFICATIONS OF IBM SERVER  
(Model No.IBM X2268648 IAS)

**SERVER SPECIFICATION :**

**QTY. : 2 NOS.**

Intel Xeon 3.0GHz CPU Processor

Motherboard with Min Dual CPU support

Integrated Graphics

Onboard DUAL 10/100/1000 Mbps GIGABIT Port LAN

8GB ECC DDRAM

FDD 1.44 MB

3 x 73 GB Ultra 320 MBPS 10K RPM, 68 Pin SCSI HDD

Hot Swap Cage w/5 Hot Swap Bays

64/133MHzPCI-X based Zero Channel Ultra 320 SCSI RAID Controller card,  
supporting RAID Levels 0,1,5,10 & 50

52X CD Writer Drive: IDE

Keyboard

Optical Scroll Mouse

SCSI Internal DAT Drive

Server cabinet (n+1) hot swap redundant power supply.

## ANNEXURE-'B'

### Services for Porting of COBOL databases & applications from TSB to new IBM High End Server

- Installation of Unixware 7 operating system on IBM Server with pre defined partitions for OS, database & backup
- Install MF COBOL intermediately before porting application shell scripts & data from old server.
- Installation of Maintenance packs & COBOL related O.S. Patches
- Editing profiles & altering appropriate paths for Libraries, as a pre-requisite to modify variables for MF COBOL 4.0 installation on new O.S.
- All revisions & patches has to be applied by the firm to run MF COBOL 4.0 from the TSB to the new IBM High End Server.
- Add compatible libraries, for MF COBOL to run on IBM Server & O.S.
- Tuning the kernel for adding backward compatibly COBOL libraries
- Creating swap directories for file ownership of users
- Create Users on Server & Assign user rights for Unix users.
- Create Individual user profiles and Disk quotas.
- Create gateway for existing rules and setting security filters for application server.
- Install & configure application software alongwith the shell scripts so as to run on new setup.
- Install & manage old data entry forms to work in new environment.
- Recompile all applications with appropriate libraries on IBM Server using appropriate ABI modes, so as to support multithreading for better runtime performance.
- Migrate the existing data from TSB to new IBM server.
- Test all the applications ported along with data at new IBM server end.
- Test reports at server end.
- Define and Enable Print Services.
- Configure Line Printers (LIPI 6215/ 6312).
- Protection of database by auto permission attributes.
- Preparation of new Server for network functionality, so as to make Thin clients, PCs, Printers & Dumb Terminals application wise operational on the Network.
- Test and run system auditing mode for system accounting.
- Creating auto redundancy paths for application maintenance
- Creating shell scripts for system cleaning and memory performance.

- The firm will be responsible for any additional activities if required for the IBM Server to be made operational.

### ANNEXURE-'C'

#### SPECIFICATIONS OF FUJITSU TEAM SERVER H532I (TSB)

**SERVER SPECIFICATION :**

**QTY. : 1 NO.**

**\* Hardware**

2x intel pentium @ 100 Mhz symmetric Multi Processing based machine.

EISA & PIC bus based (32 bit)

8KB Data cache & 8 KB Instruction cache 256 KB

2<sup>nd</sup> level cache 96 MB memory (expandable to 512 MB)

1.44 MB FDD + floppy disk drive controller

2xSCSI-II controller

HDD capacity -14 GB

Device supports DOS formats

1xCD ROM drive

Ethernet controller 32 bit

3 serial port plus parallel port

16 port EISA ASync controller

Console with 14" SVGA colour monitor + 101 keys keyboard

8 slots (EISA, 2 PCI & 2 Combo)

\* Operating System installed SCO-Unix 5.0.5

\* MF Cobol 4.0 compiler.

\* Applications & Systems running presently alongwith database on TSB are as under :-

- a) Stores Inventory Control System
- b) Provident Fund Accounting System
- c) Fixed Deposit Accounting System

- d) Gratuity Accounting
- e) Job Costing for Central Workshops
- f) Vehicle Accounting & Analysis
- g) Financial Accounting
- h) Pay Roll for Mumbai & C.W. Dapodi, Pune
- i) Analysis of Scrapped Tyres
  - j) Dadar-Pune & Pune-Dadar Ticket Printing System
  - k) CWA Accounting System
  - l) Conductor's Nightout Deposit System
  - m) Examination system
  - n) Employees' 5 years saving Deposit system