

EXTENSION NOTICE No. 3

Tender Name: Request for Proposal for Selection of Managed Service Provider & Cloud Service Provider for providing Cloud Services to Maharashtra State Electricity Distribution Company Ltd.

Tender No.: MSEDCL/IT/CLOUD/2018-19 dtd. 07.09.18

This is to inform all the prospective Bidders that the Last date for submission of Bids has been extended up to **Thursday, 22nd Nov-2018** (upto 16:30 Hrs)

Corrigendum- II

Sr.no.	RFP Clause	Existing Clause	Proposed Clause
1		NULL	iv. All the databases of MSEDCL (existing or new) shall always be in the Managed Database services mode in the cloud environment. Bidder should take note of this while quoting the cost of Database services in the Price bid. There shall be two types of Managed Database Services for MSEDCL:
2	Section 4.14 Mandatory Technical Specifications iv. Managed Database Services:	NULL	There shall be two types of Managed Database Services for MSEDCL: 1. Managed Database Services: Bidder will provide all the Database functionalities mentioned in the Mandatory Technical Requirements (Section 4.14 Sub section (iv), Sr.no.1 to 5 & 7 to 12) and all the Database activities mentioned in Responsibilities Matrix (Section 4.13, sr. 36 to 50). Licensing Requirements will be the responsibility of Bidder. In future, for new application, if new Oracle Enterprise Database licenses are required, bidder has to provide it within the same cost. Annual Technical Support of all Database Licenses under Managed Database Services will be the responsibility of the Bidder.

Corrigendum- II

Sr.no.	RFP Clause	Existing Clause	Proposed Clause
3		NULL	<p>2. Managed Database Services with BYOL (Bring Your Own Licenses) :</p> <p>Bidder will provide all the functionalities and activities of Managed Database Services except licensing requirements. Bidder should use existing DB licenses owned by MSEDCL. However, in case existing licenses falls short during migration, Bidder need to procure the additional Database license (in the name of MSEDCL). Bidder shall quote the price of additional licenses in the price bid (Item B8) accordingly. Annual Technical Software of all Database Licenses under 'Managed Database Services with BYOL' will be provided by MSEDCL.</p>
4	<p>Annexure 2 Price Bid C: Additional Services</p> <p>C2.1 Compute for Managed Database Service (including of Database licences)</p>	NULL	<p>Added:</p> <p>Microsoft SQL Server Enterprise Edition vCPUs : 4 RAM: 15 vCPUs : 4 RAM: 30 vCPUs : 8 RAM: 60 vCPUs : 16 RAM: 120</p>
5	<p>Annexure 2 Price Bid C: Additional Services</p> <p>C2.1 Compute for Managed Database Service (including of Database licences)</p>	NULL	<p>Added:</p> <p>Oracle Enterprise Edition vCPUs: 2 RAM: 8 vCPUs: 2 RAM: 15 vCPUs: 4 RAM: 30 vCPUs: 4 RAM: 60 vCPUs: 8 RAM: 120 vCPUs: 8 RAM: 256</p>

Corrigendum- II

Sr.no.	RFP Clause	Existing Clause	Proposed Clause
6	Annexure 2 Price Bid C: Additional Services C2.2 Compute for Managed Database Service with BYOL (excluding of DB licences)	NULL	Microsoft SQL Server Enterprise Edition vCPU: 2 RAM: 8 vCPU: 2 RAM: 15 vCPU: 8 RAM: 30 vCPU: 16 RAM: 60 vCPU: 32 RAM: 240 vCPU: 40 RAM: 160 vCPU: 64 RAM: 256 vCPU: 64 RAM: 480
7	Annexure 2 Price Bid C: Additional Services C2.2 Compute for Managed Database Service with BYOL (excluding of DB licences)	NULL	Oracle Enterprise Edition vCPU: 4 RAM: 15 vCPU: 4 RAM: 120 vCPU: 8 RAM: 30 vCPU: 16 RAM: 60 vCPU: 40 RAM: 160 vCPU: 64 RAM: 256 vCPU: 64 RAM: 480
9	Section 4 Project Scope & Deliverables Brief Scope Sr. no. m	Bidder should migrate existing MDAS solution from MSEDCL DC (Mumbai) to MSEDCL DR location (Nagpur). MDAS solution not to be migrated to Cloud.	Deleted
10	Appendix 1 Existing Setup & Proposed Cloud Infra MDAS Application & Database Sr.No. 78, 125, 181, 186, 190, 210 to 230	Migration Required: NO	Migration Required: YES
12	Section 4.14 Mandatory Technical Specifications viii. Other Required Hardware at on premises Locations A. NGFW for DR Center, Nagpur Sr. no. 5	NGFW Throughput must be more than 6 Gbps with Enterprise Mix/Real World Traffic.	NGFW Throughput must be more than 4 Gbps with Enterprise Mix/Real World Traffic.

Corrigendum- II

Sr.no.	RFP Clause	Existing Clause	Proposed Clause
13	Section 4.14 Mandatory Technical Specifications viii. Other Required Hardware at on premises Locations J. MDAS Server specifications.	J. MDAS Server specifications.	Deleted
14	Section 3.12 Evaluation Process ii. Technical Scoring A. Bidders compliance to Technical Requirement Specifications Sr. no. 17	Presently, 12 Hardware key/ Dongle is used for M/s Kalkitech's API (DLMS protocol) in MDAS (Meter Data Acquisition System). Bidder has to migrate MDAS to MSEDCL DR (NAGPUR) and also provide solution for activating dongle based Kalkitech's DLMS API licenses. (2 marks, else 0)	Presently, 12 Hardware key/ Dongle is used for M/s Kalkitech's API (DLMS protocol) in MDAS (Meter Data Acquisition System). Bidder has to migrate MDAS to Cloud and also provide solution for activating dongle based Kalkitech's DLMS API licenses. (2 marks, else 0)
15	4.1. Migration of applications presently hosted at On-premise Data Centre of MSEDCL Sr. no. O	Presently, 12 Hardware key/Dongle is used for M/s Kalkitech's API (DLMS protocol) in MDAS (Meter Data Acquisition System). Bidder has to migrate MDAS to MSEDCL DR (Nagpur) and manage it for the entire contract period. Bidder also need provide solution for activating dongle based Kalkitech's DLMS API licenses.	Presently, 12 Hardware key/Dongle is used for M/s Kalkitech's API (DLMS protocol) in MDAS (Meter Data Acquisition System). Bidder has to migrate MDAS to CLOUD and manage it for the entire contract period. Bidder also need provide solution for activating dongle based Kalkitech's DLMS API licenses.
16	4.1. Migration of applications presently hosted at On-premise Data Centre of MSEDCL Sr. no. P	MDAS Solution migration	Entire Section Deleted
17	Annexure 2 Price Bid (B3) On Premises Hardware	11 Servers for MDAS solution 12 Servers for MDAS database 13 External storage for MDAS solution (10 TB usable) 14 Backup solution for MDAS Solution.	DELETED

Corrigendum- II

Sr.no.	RFP Clause	Existing Clause	Proposed Clause
18	Appendix 1 Existing Setup & Proposed Cloud Infra Sr. no. 32. SHAREPOINT WEB AGENT 44. DATABASE SERVER FOR PORTAL 47. DATABASE SERVER FOR DMS	Migration Required: YES	Migration Required: NO
19	Annexure 2 Price Bid A. Cloud Services	<p>(A1.1) Cost of Compute for Application Servers: Sr.No.4 Enterprise Linux (8vCPU 30 GB RAM): Qty. 1</p> <p>Sr.No.3 Enterprise Linux (4vCPU 30 GB RAM): Qty. 10</p> <p>Sr.No.14 Windows Servers (8vCPU 60 GB RAM): Qty. 11</p> <p>(A1.2) Cost of Compute including Managed Database Service</p> <p>Sr.No.3 Microsoft SQL Server Enterprise Edition (8vCPU 60 GB RAM): Qty.7</p> <p>Sr.No.2 Microsoft SQL Server Enterprise Edition (4vCPU 30GB RAM): Qty.1</p> <p>Sr.No.4 Microsoft SQL Server Enterprise Edition (16vCPU 120 GB RAM): Qty.2</p>	<p>(A1.1) Cost of Compute for Application Servers: Sr.No.4 Removed</p> <p>Sr.No.3 Enterprise Linux (4vCPU 30 GB RAM): Qty. 11</p> <p>Sr.No.4 Windows Servers (8vCPU 60 GB RAM): Qty. 28</p> <p>(A1.2) Cost of Compute including Managed Database Service</p> <p>Sr.No.3 Microsoft SQL Server Enterprise Edition (8vCPU 60 GB RAM): Qty.2</p> <p>Sr.No.2 Removed</p> <p>Sr.No.4 Removed</p>

Corrigendum- II

Sr.no.	RFP Clause	Existing Clause	Proposed Clause
20	Annexure 2 Price Bid (A2) Storage	A2.1 (1) General Purpose Storage: Qty. 15300 GB A2.2 (1) General Purpose SSD: Qty. 32800 GB A2.3 (1) SSD Storage with IOPS from >2000 and <=5000 : Qty. 38900 GB	A2.1 (1) General Purpose Storage: Qty 14700 GB A2.2 (1) General Purpose SSD: Qty. 35800 GB A2.3 (1) SSD Storage with IOPS from >2000 and <=5000 : Qty. 39400 GB
21	Annexure 2 Price Bid A. Cloud Services (A1.2)Cost of Compute including Managed Database Service	Sr.No.7 Oracle Enterprise Edition *** (4vCPU 30GB RAM): Qty.7 Sr.No.9 Oracle Enterprise Edition *** (8vCPU 120GB RAM): Qty.4	Sr.No.5 Oracle Enterprise Edition *** (4vCPU 30GB RAM): Qty.6 Sr.No.7 Oracle Enterprise Edition *** (8vCPU 120GB RAM): Qty.6
22	Appendix 1 Existing Setup & Proposed Cloud Infra Sr. no. 28. CA Identity Manager 29. CA Single Sign On 30. ACL ADB Application 32. SHAREPOINT WEB AGENT 36. CA Identity Manager 37. CA Single Sign On 38. ACL ADB DB Server 39. FED-ADB Server 44. DATABASE SERVER FOR PORTAL 47. DATABASE SERVER FOR DMS	Migration Required: YES	Migration Required: NO

Corrigendum- II

Sr.no.	RFP Clause	Existing Clause	Proposed Clause
23	Section 4 Project Scope & Deliverables Brief Scope Sr. no. m	NULL	m) Bidder may implement existing CA Single Sign on solution OR Propose a new solution for Single Sign on. Bidder may insert Single Sign On solution instances (if required) in the Price Bid (new line items) and quote their cost accordingly. Bidder need to configure user database and rules as per existing setup. Cost of renewal of ATS of existing CA licenses (if required) will be borne by bidder.
24	Annexure 2 Price Bid Summary Sheet, Note & 4.3. Operations & Maintenance Services xv. Business Continuity Services (Disaster Recovery) sr.no. iv	Charges quoted against all compute, Storage & Network must include Cloud DR provisioning (i.e. Provisioning of equal resource on DR site on Cloud on Hot Standby mode).	Charges quoted against all compute, Storage & Network must include Cloud DR provisioning (i.e. Provisioning of equal resource on DR site on Cloud).
25	4.3. Operations & Maintenance Services xv. Business Continuity Services (Disaster Recovery) sr.no. i	i. Provide business continuity services from secondary site with 100% capacity in case the primary site becomes unavailable. The Secondary site should be in Hot Standby Mode.	i. Provide business continuity services from secondary site with 100% capacity in case the primary site becomes unavailable.
26	Annexure 2 Price Bid C: Additional Services	(Existing DB Licences will be provided by MSEDCL as per Annexuer 18)	Deleted
27	Annexure 2 Price Bid C: Additional Services Bottom Note:	NULL	** Bidder (MSP/CSP) has to provide Oracle Enterprise Licences (in the name of MSEDCL) for Oracle DB (in case of fresh requirement).
28	Section 4. Project Scope & Deliverables 4.13. Responsibility Matrix Managed Database Services	NULL	Sr.no 49 Adjust MSEDCL's licenses in the cloud environment (Bring your own license) MSP :√ CSP: √

Corrigendum- II

Sr.no.	RFP Clause	Existing Clause	Proposed Clause
29	Section 4. Project Scope & Deliverables 4.13. Responsibility Matrix Managed Database Services	NULL	Sr.no 50 Provide DB & other Licenses at its own cost wherever required (in case MSEDCL does not have it) MSP :√ CSP: √
30	Annexure 2 Price Bid (A1.2) MS & Oracle Database Instances Heading	Cost of Compute including Managed Database Service (Existing DB Licences will be provided by MSEDCL as per Annexuer 18)(Dedicated servers to be provided)	Cost of Compute including Managed Database Service with BYOL (Existing DB Licences will be provided by MSEDCL as per Annexuer 18)(Dedicated servers to be provided)
31	Annexure 2 Price Bid (A1.3) Sybase & HANA Database Instances Heading	Cost of Compute including Sybase and HANA Managed Database Service (Existing DB Licences will be provided by MSEDCL as per Annexuer 18) (Dedicated servers to be provided)	Cost of Compute including Sybase and HANA Managed Database Service with BYOL (Existing DB Licences will be provided by MSEDCL as per Annexuer 18) (Dedicated servers to be provided)

Corrigendum- II

Sr.no.	RFP Clause	Existing Clause	Proposed Clause
32	Appendix 1 Existing Setup & Proposed Cloud Infra DC Setup + Proposed Cloud Infra	<p>Sr.No.90 Application/ Database: Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - 64bit Proposed Application/Database: Oracle Database Enterprise (Latest version)</p> <p>Sr.No.110 Application/ Database: Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - 64bit Proposed Application/Database: Apache Tomcat (latest version) Proposed Cloud Service Type: Managed Database Services Proposed OS: Linux (Oracle)</p>	<p>Sr.No.90 Application/ Database: Oracle Application Server 10G Proposed Application/Database: Apache Tomcat (latest version)</p> <p>Sr.No.110 Application/ Database: Oracle Application Server 10G Proposed Application/Database: Apache Tomcat (latest version) Proposed Cloud Service Type: Infrastructure as a Service Proposed OS: Enterprise Linux</p>
33	Appendix 1 Existing Setup & Proposed Cloud Infra DC Setup + Proposed Cloud Infra Sr.No.1, 5, 6, 18, 19, 20,23, 24, 27, 31, 35, 40, 45, 48, 49, 188	Proposed OS: Windows Server 2016	Proposed OS: Windows Server
34	Annexure 2 Price Bid A. Cloud Services C. Additional Cloud Services	** MSEDCL having Existing Sybase License for 96 physical cores. Bidder should propose infrastructure accordingly, Bidder should ensure sybase Database performance is better than existing .	** Bidder should propose infrastructure accordingly, Bidder should ensure sybase Database performance is better than existing .

Corrigendum- II

Sr.no.	RFP Clause	Existing Clause	Proposed Clause
35	Annexure 2 Price Bid A. Cloud Services C. Additional Cloud Services	***MSEDCL having Existing Oracle licenses mentioned in Annexure 18. Bidder should propose infrastructure accordingly, Bidder should ensure Oracle Database performance is better than existing	*** Bidder should propose infrastructure accordingly, Bidder should ensure Oracle Database performance is better than existing
36	Annexure 2 Price Bid Summary Sheet, Note. Sr. no, 9	Items & Quantities defined in the Sheet C Additional Services are given for determining rates only. However their rates are considered for evaluation of successful bidder. It is not binding on MSEDCL to procure these items/services during the contract period.	Items & Quantities defined in the Sheet C Additional Services are given for determining rates only for future requirements . However their rates are considered for evaluation of successful bidder. It is not binding on MSEDCL to procure these items/services during the contract period.
39	7.15. Annexure 15:	Proof of Capability Requirements for Cloud Services	Deleted
40	Annexure 2 Price Bid C. Additional Cloud Services C4 . ATS of Existing Microsot Licenses	Null	Annual Technical Support for existing Microsoft Licences as required in proposed solution for 1 year.

Corrigendum- II

Sr.no.	RFP Clause	Existing Clause	Proposed Clause
41	4.3. Operations & Maintenance Services xiii. Management software for security services	<i>Granular Identity and Access Management, cloud management dashboards, audit trail.</i> CSP should provide the evidence of the services by providing the <i>public URL</i> of the service offerings along with the public pricing of the services. Security capabilities including infrastructure security, DDoS mitigation, data encryption, inventory & configuration, monitoring & logging, identity and access control, penetration testing support.	<p>1. Bidder should have an Granular Identity and Access management or Privileged Identity Management or Similar for access control to the Datacenter IT infrastructure. The recordings of the activity should be available for at least 30 Days if needed for forensics.</p> <p>2. Bidder must have a cloud management dashboard that can provide reporting view of the resource utilization viz, CPU, Memory and Internet bandwidth utilization allocated to MSEDCL.</p> <p>3. The Cloud service Provider must provide the Security Services like DDOS Attack Detection and Mitigation, Web Application Firewall, Server Antivirus, Sandboxing Solution , SIEM Solution, Vulnerability Assessment and Penetration testing either through shared or dedicated infrastructure.</p>
42	4.14. Mandatory Technical Specification i. General Requirements Sr. no. 3	CSP should provide auto scaling support for all compute instances (<i>without any manual intervention</i>) during peak demand as well as normal workloads to maintain stable performance of applications	CSP should provide auto scaling support for all compute instances during peak demand as well as normal workloads to maintain stable performance of applications
43	3.12 Evaluation Process ii. Technical Scoring A. Bidders compliance to Technical Requirement Specifications Sr.no. 14	CSP have auto scaling feature for all compute instances (without any manual intervention): 2 marks	CSP have auto scaling feature for all compute instances: 2 marks

Corrigendum- II

Sr.no.	RFP Clause	Existing Clause	Proposed Clause
44	4.14. Mandatory Technical Specification iii. Storage requirements: Sr. no. 11	Cloud Service should support managing an object's lifecycle by using a lifecycle configuration, which defines how objects are managed during their lifetime, from creation/initial storage to deletion.	Deleted

Corrigendum- II

Sr.no.	RFP Clause	Existing Clause	Proposed Clause
45		a) Within 15 minutes - Nil	a) Within 8 working hours - Nil
46		b) >15 minutes & <=45 min - 5% of the QP (Quarterly Payment)	b) 8 to 12 hours - 5% of the QP (Quarterly Payment) of a respective VM as per the price sheet. Maximum penalty upto 10% of the total quarterly payment.
47	6.7 Service Level Agreement Sr. no.1 : Provisioning and De- provisioning of Virtual Machines Penalty	c) Beyond 45 minutes, for every 30 minutes of delay - 5% of Quarterly Payment (QP)	c) Beyond 12 hours, for every 4 hours delay - 5% of Quarterly Payment (QP) of a respective VM as per the price sheet. Maximum penalty upto 10% of the total quarterly payment. Maximum period allowed for VM Provisioning and De-Provisioning is 24 hours only. Delay beyond that will be considered as breach of contract
49	4.14. Mandatory Technical Specification i. General Requirements	RTO : <= 1 hour	RTO : <= 2 hours
50	4.3. Operations & Maintenance Services i. General Requirements: Sr. no. iii xv. Business Continuity Services (Disaster Recovery) Sr.no.ii	Its bidders responsibility, in the event of a disaster at DC site, activation of services from the DR site (or from different physical locations) with RPO <= 15 Minutes and RTO <= 1 Hour.	Its bidders responsibility, in the event of a disaster at DC site, activation of services from the DR site (or from different physical locations) with RPO <= 15 Minutes and RTO <= 2 Hours.
51	4.3. Operations & Maintenance Services xv. Business Continuity Services (Disaster Recovery) Sr.no.iii	The all servers should be replicated and automation must be part of the software functionality to failover/failback to the DR-DC adhering to an RPO of 15 minutes and RTO of maximum 1 hour.	The all servers should be replicated and automation must be part of the software functionality to failover/failback to the DR-DC adhering to an RPO of 15 minutes and RTO of maximum 2 hours.

Corrigendum- II

Sr.no.	RFP Clause	Existing Clause	Proposed Clause
52	Section 3.12 Evaluation Process ii. Technical Scoring A. Bidders compliance to Technical Requirement Specifications Sr. no. 9	RPO (10 to 14Mins) & RTO (31 minutes to 45 minutes) : 2 Marks RPO (15 to 30 Mins) & RTO (46 minutes to 60 minutes) : 1 Marks	RPO (10 to 14Mins) & RTO (31 minutes to 60 minutes) : 2 Marks RPO (15 to 30 Mins) & RTO (61 minutes to 120 minutes) : 1 Marks
53	Annexure 18 List of software licenses procured by MSEDCL	Null	Added CA License details Note Added: If proposed Single Sign On Solution requires above MSEDCL licenses, then cost of renewal of ATS should be borne by bidder.
54	6.5 Payment Terms sr. 12 & 13	NULL	Added: sr. 12. Additional Licenses (B8) Payment: 100% of License Cost Verification : On successfully Commissioning of particular License. 2. Annual Technical Support. of Existing Licenses (C4) Payment: 100% of Annual Cost Verification : On successfully commencement of Annual Technical Support.