

OFFICE OF THE EXECUTIVE ENGINEER PWD(R&B) DIVISION KATHUA

Sh. Narinder Singh
S/o Sh. Ranbir Singh
R/o Village Suba Chak Hiranagar
Distt. Kathua

No:- 6084-89/G
Dated:- 16-07-2022

FINAL Notice

Sub:- Construction of road from Badholi to Krimchi by way of P/L of wet mix SDBC

Sir,

The above Noted work was allotted to you vide this office allotment no. 12888-90/G dated:- 29-01-2022 but you have failed to start the work till date. Accordingly notice's have already been served to you by Assistant Executive Engineer PWD (R&B) Sub Division Hiranagar Vide No. SDH/580 Dated:- 07-03-2022, SDH/828-29 dated:- 06-06-2022 and SDH/867-69 dated 02-07-2022. A final notice is served to you with direction to mobilize you all resources and man power at the site of the work and to start the work within seven days otherwise the case shall be recommended to Worthy Superintending Engineer PWD (R&B) Jammu Kathua Circle Jammu for Cancellation of contract after forfeiting of CDR/ FDR and appropriate action under SBC/NIT Condition shall be initiated against you which may be noted please.

Matter Most Urgent

DIP/J-5444/22

Dated:- 20/07/2022

Sd/-
Executive Engineer
PWD (R&B) Division
Kathua



GOVT. OF JAMMU & KASHMIR, POWER DEVELOPMENT DEPARTMENT

OFFICE OF THE EXECUTIVE ENGINEER

IT&C Division, B.R Ambedkar Chowk, Jammu-180006 (J&K), Jammu Power Distribution Corporation Ltd.

E-mail: xenitjpdcl@gmail.com Tel No: 0191-2954685

Corrigendum/Addendum/Clarification

Subject: Selection of Implementation Agency for Supply, Installation, Commissioning, Customization and Integration of Unified Billing and Revenue Management Software/CIS along with IT Infrastructure provisioning for DC on-Premise and Cloud Provisioning for DR
e-NIT No: e-NIT No -3 of 2022 date 18-06-2022

Sr No	Clause No	Existing Clause	Amended Clause
1.	16.2.3 Ethernet Core Switch/ Spine Switch @S No 1	Switch shall have minimum 24 x 2540/100G & 6 x 40/100G ports or more	Switch shall have minimum 30 x 40/100 G ports or more populated from day one. If any additional interfaces, ports and transceivers are required for implementation of solution, the bidder shall provide the same.
2.	16.2.3 Ethernet Core Switch/ Spine Switch @S No 6	30x100G QSFP28 ports at wire speed (L2 & L3 Both) populated with modules to support OM3/OM4, cabling standards. Flexibility to use any port as 10G, 25G, 40G, 50G, and 100G with optics or breakout cables.	30x100G QSFP28 ports at wire speed (L2 & L3 Both) populated with modules to support OM3/OM4, cabling standards. Flexibility to use any port as 10G, 25G, 40G, 50G, and 100G with optics or breakout cables. If any additional interfaces, ports and transceivers are required for implementation of solution, the bidder shall provide the same.
3.	16.2.3 Ethernet Core Switch/ Spine Switch @S No 7	The switch should have redundant CPUs working in active-active or active-standby mode. CPU failover / changeover should not disrupt / impact / degrade the functioning of the switch.	The switch should have redundant CPUs working in active-active or active-standby mode.CPU failover / changeover should not disrupt / impact / degrade the functioning of the switch. Or The switch should have multi-core CPU and should support Stacking / VC or equivalent technology for Active -Active mode.
4.	16.2.3 Ethernet Core Switch/ Spine Switch @S No 20	Switch shall support minimum shared buffer of 64 MB for optimal performance	Switch shall support minimum shared buffer of 32 MB for optimal performance
5.	16.2.3 Ethernet Core Switch/ Spine Switch @S No 22	Shall support Live software patching or hitless upgrade (In-Service Software Upgrades) withoutdisruption of other processes/system moduleswhile upgrading operating system	Shall support Live software patching or hitlessupgrade (In-Service Software Upgrades) withoutdisruption of other processes/system modules while upgrading operating system Or the Switch should support modular OS
6.	16.2.4 Distribution/Leaf Switch @S No. 21	Shall support Live software patching or hitless upgrade (In-Service Software Upgrades) without disruption of other processes / system modules while upgrading operating system	Shall support Live software patching or hitlessupgrade (In-Service Software Upgrades) withoutdisruption of other processes/system modules while upgrading operating system Or the Switch should support modular OS
7.	16.2.5 Edge Router @ S. No 1	Router should have redundant controller cards (redundant Control / Data plane) and should support non-stop forwarding, Non-stop routing and graceful restart. It shall be along with requisite SFP module.	Router should have redundant controller cards (redundant Control / Data plane) or multicore processor and should support non-stop forwarding, Non-stop routing and graceful restart. It shall be along with requisite SFP module.
8.	16.2.5 Edge Router @ S. No 2	All the Ports and card on Router should be hot swappable and field replacement of port or card should not bring down the chassis.	All the Ports / card on Router should be hot swappable and field replacement of port or card should not bring down the chassis.
9.	16.2.5 Edge Router @ S. No 3	Router should have the following minimum interfaces: a. 6 x 1G RJ 45 ports b. 6 x 1/10G/40G/100G Optics based ports fully populated with 100G multi-mode optics If any additional interfaces are required for implementation of solution, the bidder shall provide the same.	Router should have the following minimum interfaces: a. 6 x 1G RJ 45 ports b. 6 x 10GOptics based ports fully populated (S/MMM optics as per solution requirement) c. 4x 40G/100G optics based fully populated (S/MMM optics as per solution requirement) If any additional interfaces, ports and transceivers are required for implementation of solution, the bidder shall provide the same.
10.	16.2.5 Edge Router @ S. No 7	Top of the Rack, 1 RU with all necessary power cords, adapters, data cables, connectors, CDs, manuals, brackets accessories, wire managers, Optical Modules etc. should be provided.	Top of the Rack, 1 RU or above with all necessary power cords, adapters, data cables, connectors, CDs, manuals, brackets accessories, wire managers, Optical Modules etc. should be provided.
11.	16.2.5 Edge Router @ S. No 22	Router shall support IPSLA or equivalent and Y.1731/ 802.1ag for performance monitoring	Router shall support IPSLA or equivalent and Y.1731/ 802.1ag or equivalent for performance monitoring
12.	16.2.5 Edge Router @ S. No 27	Router shall support HQOS on all kind of interface inboth ingress and egress direction. Similar QOS shall besupported for all type of interface including Bundled interfaces/ L3 interfaces.	QOS shall besupported for all type of interface including Bundled interfaces/ L3 interfaces.
13.	16.2.5 Edge Router @ S. No 32	0°C to 50°C operating temperature and 10 to 90%, non- condensing	0°C to 40°C operating temperature and 10 to 90%, non- condensing
14.	16.2.6 Firewall @ S. No 1	The appliance-based security platform should provide firewall, Application Control, DDoS Protection, Malware, Protection functionality, IPsec, VPN, IPS/IDS, GW antivirus / Antimalware, DLP, APT, etc. URL filtering, Real-time traffic Monitoring with complete reporting management for atleast 30 days log retention on firewall. The WAF module covering all latest attack patterns / OWASP for on-premises hosted servers and server load balancing must be supported.	The appliance-based security platform should provide firewall, Application Control, DDoS Protection, Malware, Protection functionality, IPsec, VPN, IPS / IDS, GW antivirus, DLP/file filtering, APT, WAF/IPS etc. URL filtering, Real-time traffic Monitoring with complete reporting management for at least 30 days log retention on firewall/Central Management. The WAF/IPS module shall cover covering all latest attack patterns / OWASP for on-premises hosted servers
15.	16.2.6 Firewall @ S. No. 2	The appliance should have minimum 8x1/25 Gbps SFP+ port with multi-mode transceiver from day one with a support for other connectivity options such as 40/100 Gbps for future expansion	The appliance should have minimum 6x 1 Gbps Copper/SFP.8x 10 Gbps SFP+ 4x40 Gig QSFP+ port populated with transceiver as per solution requirement from day one If any additional interfaces, ports and transceivers are required for implementation of solution, the bidder shall provide the same.
16.	16.2.6 Firewall @ S. No. 5	Top of the Rack, 1 RU with all necessary power cords, adapters, data cables, connectors, CDs, manuals, brackets accessories, wire managers, Optical Modules etc. should be provided.	Top of the Rack, 1 RU or above with all necessary power cords, adapters, data cables, connectors, CDs, manuals, brackets accessories, wire managers, Optical Modules etc. should be provided.
17.	16.2.6 Firewall @ S. No 11	Firewall should have integrated redundant/ hot-swappable fan trays/ Modules	Firewall should have integrated redundant/ hot-swappable fan trays/ Modules / fans
18.	16.2.6 Firewall @ S. No. 25	Solution shall have capability to analyses and block TCP/UDP protocol to identify attacks and malware communications. At minimum, the following protocols are supported for real-time inspection, blocking and control of download files: HTTP, HTTPS, SMTP, SMTPs, POP3, IMAPandFTP	Solution shall have capability to analyses and block TCP/UDP protocol to identify attacks and malware communications. At minimum, the following protocols are supported for real-time inspection, blocking and control of download files: HTTP, HTTPS, SMTP, POP3, IMAP and FTP
19.	16.2.6 Firewall @ S. No 31	The firewall shall support minimally 5 independent ISP/WAN connections concurrently and the ability to combine multiple ISP/WAN link	The firewall shall support minimally 5 independent ISP/WAN connections concurrently
20.	16.2.6 Firewall @ S. No 32	The Solution must be able to support 10 Virtual Contexts/ VRF's from day-1 and should be scalable to 100 in future with addition of license if required	The Solution must be able to support 10 Virtual Contexts/ VRF's from day-1 and should be scalable to 20 in future with addition of license if required
21.	16.2.1 SAN Storage @ S. No 06	Minimum 8x32/16 Gbps FC, 8x10 Gbps Ethernet	Minimum a) 8x32/16 Gbps FC, b) 8x10 Gbps Ethernet or 4x10 Gbps iSCSI and 4x10Gbps optical ports All ports should be populated with requisite transceiver modules from day one
22.	16.2.1 SAN Storage @ S. No 13	All the necessary software as specified in this RFP including capability to configure and manage the storage space, RAID configuration, logical drives allocation, snapshots etc., single Command and GUI and Integrated Web Console for storage system for configuration for file & block storage and associated functionalities including deployment, automation, provisioning, and protection and monitoring management. Solution should offer real-time performance monitoring tools giving information on CPU utilization, volume throughput, I/O rate.	All the necessary software as specified in this RFP including capability to configure and manage the storage space, RAID configuration, logical drives allocation, snapshots etc., GUI and Integrated Web Console for entire storage system for configuration for both file & block storage and associated functionalities including deployment, automation, provisioning, and protection and monitoring management. Solution should offer real-time performance monitoring tools giving information on CPU utilization, volume throughput, I/O rate.
23.	16.2.1 SAN Storage @ S. No 14	Thin Provisioning, snapshot, restore snapshot, Cloning and application & VM aware backup. Storage system should support remote asynchronous & synchronous replication for disaster recovery with WAN optimization (maintaining storage efficiency while replicating). Storage should support 3 DC replication architecture. Storage should be configured with data atrest encryption and on the fly and should support key management.	Thin Provisioning, snapshot, restore snapshot, Cloning and application & VM aware backup. Storage system should support remote asynchronous & synchronous replication for disaster recovery (maintaining storage efficiency while replicating). Storage should support 3 DC replication architecture. Storage should be configured with data atrest encryption and on the fly and should support key management.
24.	16.3.1 Virtualization Solution	S No. 1 to 16	The bidder shall provide virtualization solution as per solution requirement.
25.	7. Eligibility Criteria @ S No 6(a)	The Bidder shall possess below certifications, which are valid at the time of bidding: ● ISO 9001:2008/ ISO 9001:2015 for Quality Management System [In case of consortium, all need to satisfy this condition] ● Minimum CMMI Level 3 or above [In case of consortium, all need to satisfy this condition] ● ISO 27001:2013 for Information Security Management System [In case of consortium, all need to satisfy this condition] ● ISO 20000:2011 for IT Service Management or "CMMI-V2.0 ML-5 SVC" for IT Service Management ● ISO 20000:2011 for IT Service Management	The Bidder should possess below certifications, which are valid at the time of bidding: ● ISO 9001:2008/ ISO 9001:2015 for Quality Management System [In case of consortium, all need to satisfy this condition] ● Minimum CMMI Level 3 or above [In case of consortium, all need to satisfy this condition] ● ISO 27001:2013 for Information Security Management System [In case of consortium, all need to satisfy this condition] ● ISO 20000:2011 for IT Service Management or "CMMI-V2.0 ML-5 SVC" for IT Service Management [In case of consortium, lead partner needs to satisfy this condition]

Office of the Executive Engineer, Mechanical Hospital & Central Heating Division, Government Medical College & Hospital, Jammu NOTICE INVITING TENDER (Short Term)

MHDJ/e-NIT 68 of 2022-23

Dated: 16.07.2022
due: 27.07.2022

On behalf of the President of India, e-tenders in two cover system on turnkey basis are invited from registered/reputed firms having sufficient relevant experience for the work mentioned below:

S. No	Description of work	AAA	Bid Security Declaration	Cost of tender document	Time of completion	Eligibility Criterion of Bidder
1	REPAIRS AND CLEANING/SERVICING OF AIR HANDLING UNITS-06NOS INSTALLED AT HON'BLE COURT, JAMMU.	ACCORDED	Bid security Declaration	Rs.200.00 in the shape of Challan through J&K Govt. Treasury. Indicating Treasury Voucher No. & date and also indicating the name of work to be done by the bidder to 0059-PWD (Revenue) and uploading a copy of treasury challan / receipt on e-tendering portal. OR The bidder may deposit tender fee in the shape of e-Challan through Account No. 009701010000 2163 in the name of Executive Engineer MH&CH GMC&H Jammu. Name of Bank: J&K Bank Town Hall Jammu Branch Code:0097 IFSC code: JAKA0TNHALL MICR CODE: 180051025	10 days	OEM /Registered & Reputed firms having sufficient experience as per Annexure 'C', Electromechanical nature of work

THE NIT CONSISTING OF Qualifying INFORMATION, ELIGIBILITY CRITERIA, BILL OF QUANTITIES (BOQ) SETS OF TERMS & CONDITIONS OF CONTRACT & OTHER DETAILS CAN BE VIEWED / DOWNLOADED FROM THE WEBSITE www.jktenders.gov.in.

DIP/J-5455/22
Dated:- 20/07/2022

SD/-
(Er. Lakhwant Singh)
Executive Engineer (Mech.)
Hospital & Central Heating Division
GMCH, Jammu

26.	8. Technical Criteria (B.1 Para-I)	Criteria for RMS Product OEM Vendor install base measured on Aggregate number of customers billed by CIS Vendor as per Gartner Market Guide for Utility Customer Information Systems Published November 2021 Aggregate number of customers billed by CIS solution: a) > 12 Million = 2 Point b) > 25 Million = 5 Point c) > 50 Million = 8 Point d) => 75 Million = 10 Point Max marks: 10 Documentary Evidence: a) Self-certification and b) Extracts from Gartner report or Certificate of number of consumers billed by the CIS solution issued & signed by the competent authority of the client entity on the entity's letterhead	Criteria for RMS Product OEM Vendor install base measured on Aggregate number of customers billed by CIS Vendor as per Gartner Market Guide for Utility Customer Information Systems Published November 2021 Aggregate number of customers billed by CIS solution: a) >12 Million = 2 Point b) > 25 Million = 5 Point c) > 50 Million = 8 Point d) => 75 Million = 10 Point Max marks: 10 Documentary Evidence: a) Self-certification and b) Extracts from Gartner report or Certificate of number of consumers billed by the CIS solution issued & signed by the competent authority of the client entity on the entity's letterhead
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New Clauses		New Clause																		
1.	14.2 Hardware & System Software																			
		S. No.	Item Description	Unit	Qty.															
		31	Backup software		As per solution Requirement								As per solution Requirement							
		32	DRM Software Solution		As per solution Requirement								As per solution Requirement							
2.	13.2 Hardware & System Software	S. No.	Item Description	Unit	Qty. (No.)	CAPEX	OPEX													
						Unit Rate (excluding Tax) (INR)	Total Price (excluding Taxes) (INR)	Rate of Duty / Tax / Govt. Levy etc. on Unit Rate (%)	Total Tax on Unit Rate (INR)	Total Unit Rate (including Taxes) (INR)	Total Price (including Taxes) (INR)	AMC/ Service Price for 1st Year (INR) (excluding Taxes)	AMC/ Service Price for 2nd Year (INR) (excluding Taxes)	AMC/ Service Price for 3rd Year (INR) (excluding Taxes)	Total 3 Years Price for AMC (INR) (excluding Taxes)	Rate of Duty/ Tax/ Govt. Levy etc. (for AMC/ Service) as applicable at the time of bid submission	Total Tax (INR)	Total Price (INR) (including Taxes)		
				Q	A	T1=Q*A	R1	B=A*R1	C=A*B	T2=Q*C	D	E	F	T3=D+E+F	R2 (%)	H=T3*R2	T4=T3+H	T=T2 +T4		
			Backup Software	Nos.	As per solution requirement															
			DRM Software Solution	Nos.	As per solution requirement															
3.	16.2.9 Database																			
		S. No	Requirements specifications														Compliance (C/CC/NC)			
		1	Bidder should propose underlying Database which is successfully deployed and live on similar Billing and Revenue Management project and on similar scale anywhere in India.																	
		2	Proposed Database should have clustering with objectives of scalability and high availability of 24x7.																	
		3	Proposed Database must support all major OS platforms like Windows, Unix, OS X and Linux. The database shall include Parallel Execution in-database algorithms like classification, regression, anomaly detection and clustering models for immediate use in applications.																	
		4	The Database at the disaster recovery site should have the capability for corruption detection and automatic repair.																	
		5	Database should provide web-based Low Code development platform that enables JPDCL to build scalable and secure enterprise apps in future. This should be part of the underlying database without any additional cost to the department.																	
		6	Database should provide an option of configuring Disaster Recovery environments in SYNC/ASYNCR mode.																	
		7	Proposed Database Perpetual Licenses should be of full-use with all Enterprise features included for the proposed solution both at DC an DR site.																	
4.	16.2.10 Server Load Balancer	S. No.	Parameter/ requirement	Minimum Specifications/requirements													Compliance (C/CC/NC)			
		1.	Traffic Ports	Minimum 4x1GCopper & 4x10GFiber populated with requisite transceiver module from day 1 If any additional interfaces, ports and transceivers are required for implementation of solution, the bidder shall provide the same.																
		2.	Device L4 Throughput	10Gbps																
		3.	SSL Throughput	3Gbps																
		4.	Power supply	Dual Power Supply																
		5.	Functionality	SLB functionality built in																
5.	16.2.11 Backup Software	Bidders need to provide backup software to manage and monitor all the backup centrally. The backup software needs to be capable of taking consistent backups at VM Level, Application level and the supplied database level.																		
6.	17. SDO connectivity	1. Bidders need to provide the devices at the 48 SDO locations for end user connectivity which should be capable of connecting the MPLS as well as site to site tunnel capabilities and switchover should be automatic centralized configured 2. The given solution shall be capable of routing with priorities of QOS to provide proper performance to high priority traffic. 3. Bidders need to provision the solution for connecting / switching traffic for 10 users at each location. 4. The solution should be provisioned with some buffer for additional capacity. 5. The solution should have provisioning of UTM/NGFW firewall capabilities. 6. The solution should be capable of establishing site to site VPN tunnel using broadband, internet lease line in case of MPLS connectivity is not available to route the DC traffic over IPSEC. These transitions should be automatic and switchover should be on basis of link characteristics such as jitter,latency, loss etc 7. On Premise Central Management Console to be provided in DC & DR. Both DC and DR controllers should be in active-Standby mode. 8. The DC and DR management console should have the capacity to handle up to minimum 50 devices simultaneously from same management. 9. Solutions firewall capabilities should be recommended by NSS lab for better security effective.																		
7.	18. High Availability, Failover and Load Balancing	Proposed Solution shall have adequate redundancies so as to have no single point of failure for the solution. The solution tier for critical applications should consist minimum of two servers clustered on a fail-over configuration for the critical components like Web, application and database servers at the Data Centre site. On failure of the primary application server, the 'failover' server shall take over processing, similarly on failure of a database server, the other server shall continue seamlessly, thus providing the desired availability. MBC/RMS/CIS applications shall have the capability to failover to a redundant or secondary unit upon failure of the primary unit. Likewise, the load on the primary unit shall be shared with a secondary unit upon the primary unit reaching its capacity for solution instances.																		
8.	19. Business Continuity and Disaster Recovery	In case if primary site / DC fails, the business shall continue from DR site. Connectivity between primary site and DR site shall be redundant. In case of Failures of Storage at DC, DR Backups shall be used to restore the Database from the last backup taken. This shall be defined in Backup policy during project execution. Bidders are expected to keep the above issues in mind and propose technically best alternative to ensure that the system is available for the users in all times by conceptualizing various scenarios and explaining how their solution addresses all the possible scenarios.																		
9.	20. Backup and Recovery	Data is an asset, just as personnel, physical resources, and financial resources are assets. Data and information are resources that are extremely valuable for the organization; hence data management processes must be in place to maintain the data. The Implementation Agency (IA) needs to prepare a backup policy which shall be approved by JPDCL. Implementation Agency would be required to design detailed back-up and recovery policies which shall be implemented at the time of deployment and the responsibility of taking backups and testing the backups as per the backup policy shall be of Implementation Agency for the entire project period. Implementation Agency shall ensure that the data is replicated at the backup and DR Site. Implementation Agency shall be responsible for safe and secure storage of complete data. Bidder shall responsible for any loss of data and shall recover it without any extra cost to JPDCL considering the RPO and RTO in the RFP																		
10.	21. Policy and Documentation	Bidders will have to develop, document and implement the following: - Data Backup, Archival and Retention Policy - Security Policy - Business Continuity and Disaster Recovery Policy All the policy and procedure which will ensure availability and security at all times, these policies have to be updated every year or as per requirements of JPDCL. Implementation Agency MUST design and implement the policy (with JPDCL inputs) in compliance to the ISO standards (such as Information security ISO 27001). Design of Information Security Policy shall necessarily include but not limited to the following policies to ensure IT security: - IT Risk Management Policy - Information Classification Policy - Access Control Policy - User ID and Password Management Policy - Internet Access Policy - Asset Management Policy - Incident Management Policy																		

Clarification

- Clause 12.2. Form E.2: Turnover and Net worth Certificate Average Annual turnover from Supply, Implementation and O&M of IT Infrastructure may be read as Average Annual turnover of the organization.
- Clause 16.3.3 HIPS @ S. No 4 Should have the capability to Monitor inter-VM traffic and protects Hypervisor. Protects the VM running on Hypervisor
- EMD is 30.00 Lacs (Thirty Lacs)
- Bidder may be asked required to give demo of MBC/RMS/CIS solution while evaluating techno-commercial bid.
- Proposed solution must be configurable to meet supply code, tariff and regulatory commission regulations in terms of consumer management, metering, billing and collection
- The support in respect of all components (infrastructure, licenses etc.) shall commence after Go-Live of complete solution.
- The throughput asked in firewall section is in respect of threat prevention.
- Bidder is required to submit the proposed solution sizing sheet with other documents.

Rest of the terms and conditions as envisaged in SBD & issued corrigendum shall remain same.

No: IT&CD/J949-52

Dated: 18-07-2022

DIP/J-1927-P/22

Dated: 20-07-2022

SD/-
Executive Engineer
IT&C Division, JPDCL