

Pre-Bid Queries for NIT No. RECPDCL/TECH/SERVER-GED/e-Tender/2015-16/186 Dated: 27.04.2015

S. No.	Vendor	Item	Page No. / Clause No.	Parameter	Technical Specifications as per RFP	Queries / Modifications / Changes Suggested	Vendor's Remarks	RECPDCL Remarks
1	M/s HTPGT	Pre Qualifying criteria	20/3	Successful Projects execution	The bidder must have successfully executed similar projects (meeting any of the below criteria) in the last 3 financial years (FY 2011-12, 2012-13 and 2013-14).	The bidder must have successfully executed at similar projects (meeting any of the below criteria) in the last 5 financial years .		Refer Amendment-1 S.No.1
2	M/s HTPGT	EMD	3	EMD Amount	# The EMD (Earnest Money Deposit) is to be submitted by all the participating bidders in the form of demand draft of an amount of Rs 5,00,000/- (Five Lakhs Only) of any schedule Indian bank in favour of REC Power Distribution Company Limited, Payable at New Delhi		Registered under NSIC and qualify for EMD Payment exemption. Kindly confirm.	Agencies registered with NSIC are exempted as per the directives of MSME/REC Procurement guidelines.
3	M/s DELL & M/s (n)Code	Appl. & DB server	37/C.2, 39/D.11	System & CPU	RISC/EPIC based processor	Why RISC / EPIC is considered?? Competition is limited by RISC / EPIC processors. Customer today are moving out of RISC / EPIC considering X86 is a cost effective solution with lower maintenance cost.	We suggest to Consider X86 in place of RISC / EPIC to enable vendors to quote for better prices and healthy competition.	Our proposed solution is based on business requirements and requires RISC / EPIC based processor. Bid will be evaluated as per tender specifications.
4	M/s DELL & M/s (n)Code	Appl. & DB server	37/C.3, 39/D.12	Performance level	Minimum 17000 SAPs for each application server, Minimum 32000 SAPs for each DB server	Customer has given a hardware configuration to follow for application and DB Servers and have also suggested SAP's for each server.	Which criteria to follow ?? technical specs or SAPs??	The hardware technical specifications mentioned in tender for SAP servers are minimum. If higher technical specifications are required to meet the specified SAPs requirement, the bidder can offer the same.
5	M/s DELL & M/s (n)Code	Misc. Servers (BCM/ CTI /IVRS server, DMS, Development and Quality server) Misc. servers (GIS, Access Control, LDAP (AD), DNS, Exchange/Mail, EMS/NMS, Antivirus, IDM, System Security, Web, Reverse Proxy Servers, Development and Quality etc.)	39/E.4, 41/F.4	Processor	Xeon 8 Core 2.66GHz based processor With simultaneous Multi-threading	This is an old processor, can we suggest an equivalent E5 2600 V3 processor which may mean a processor with lesser clock speed.		X-86 64 bit processor with equivalent capacity is acceptable.
6	M/s DELL & M/s (n)Code	Misc. Servers (BCM/ CTI /IVRS server, DMS, Development and Quality server) Misc. servers (GIS, Access Control, LDAP (AD), DNS, Exchange/Mail, EMS/NMS, Antivirus, IDM, System Security, Web, Reverse Proxy Servers, Development and Quality etc.)	40/E.11, 41/F.11	DAT Drive per server	One (1) Drive (35/70 GB capacity)	DAT Technology is an outdated Technology. We suggest to use LTO technology for backup.	REQUEST THIS CLAUSE BE REMOVED or replace with LTO technology for backup.	The hardware technical specifications mentioned in tender are minimum. However the bidder can offer higher specifications.
7	M/s DELL & M/s (n)Code	General	#	Storage	SAN storage	Does customer require any SAN storage solution??		The supply of SAN storage is not in the scope of this tender.
8	M/s HP & M/s Orbit India	Common Specs. For all servers	31/A.2	Clock Speed	Servers to be offered with latest CPU with highest clock speed available on the model being offered by the bidder at the time of bidding.	Are we supposed to provide the frequency / SAPS asked in the Server sections as mentioned above OR we need to propose the highest clock speed as per A2 clause ?	Unix DB Servers requirement is for min. 32000 SAPs, Unix App Servers is for min. 17000 SAPs, x86 DB Servers is for 8 core @ 2.0GHz, x86 Misc Servers is for 8 core @ 2.66GHz CPU.	It is mentioned in tender document that - In case of any contradiction, the technical specifications mentioned in section B, C, D, E and F will supersede the common specifications mentioned in section A.
9	M/s HP & M/s Orbit India	Common Specs. For all servers	32/A.6	Remote Management	Equal no of licensed Terminal Emulation and licenses of X-Windows Software shall be provided for remote management of servers.	If we provide Remote Management license for managing Servers, do we still need to provide Terminal Emulation licenses ?		Bidder is required to provide Licenses as per tender specifications. Bid will be evaluated as per tender specifications.
10	M/s HP & M/s Orbit India	Common Specs. For all servers	32/A.8	Server LAN	The switch(s) shall be layer3 switches. The switch(s) shall have minimum 20% free ports of each category.	We presume Switches shall be provided by GED and is not part of this RFP scope. Kindly confirm.		The supply of switches is not in the scope of this tender document.
11	M/s HP & M/s Orbit India	Common Specs. For all servers	34/A.18	HDD	Minimum 2X 146 or higher GB hot plug SAS/ FC drive, scalable to 4 drives within the box support Raid 1,0.	Kindly allow scalability to 2 x disks only for Blade Solutions		Blade servers are not in scope of this tender document. Bid will be evaluated as per tender specifications.

12	M/s HP & M/s Orbit India	Common Specs. For all servers	35/A.21	Internal DVD drive / USB Ports per server	1 No for DVD drive 2 Nos. for USB port	Kindly allow us to offer external DVD Drive and USB ports wherever it is not possible to provide internal DVD drive and USB ports		Bid will be evaluated as per tender specifications.
13	M/s HP & M/s Orbit India	Common Specs. For all servers	35/A.22	Network interface	Two copper and two Gigabit Fibre Sx autosensing port to be provided. This 4 NIC cards should operate in load sharing mode / hot standby mode to dual network.	We presume GED is looking for port level redundancy for 2 x 1G ports and 2 x 1G SX fibre ports. Kindly confirm.		Both NIC level and port level redundancy are required for 1 Gigabit Copper ethernet in sharing / hot standby mode to dual network.
14	M/s HP & M/s Orbit India	Common Specs. For all servers	35/A.23	Scalability	The system shall be horizontally or Vertically scalable (by using the same type of processors as offered) twice of it's capacity without IVL clearance for each machine.	We presume that you are looking for Vertical Scalability for DB Servers and Horizontal scalability for App Servers. We are interpreting the following. Kindly confirm * x86 DB Servers (Section - B) - Should be scalable to 4 x CPU sockets * Unix DB Servers (Section - C)- should be scalable to min. 64000 SAPs * Unix App Servers (Section - D)- should be horizontally scalable. * Misc Servers (Section E, F) - should be horizontally scalable. Each Servers with 2 CPUs		Tender specifies the vertical scalability for DB servers and horizontal scalability for Application servers.
15	M/s HP & M/s Orbit India	Common Specs. For all servers	35/A.24	Other Parameters	Each partition should be capable of booting different instances of Operating system and have identified separate I/O sub systems.	"identified separate IO sub systems" - we presume that GED is referring to dedicated one ethernet and one FC port per partition		The proposed system should support minimum 8 partitions with separate OS bootable image on logically separate IO sub systems
16	M/s HP & M/s Orbit India	Common Specs. For all servers	35/A.26	-	Minimum one license per server of C Compiler & Development Package and C++ Compiler & Development Package to be provided.	Is it required for all the Servers or only for Dev/QA servers ? Any specific reason for compilers ?		Bid will be evaluated as per tender specifications.
17	M/s HP & M/s Orbit India	Database Server for GIS and Map Database Server & Database Server (DB Servers for Metering, Billing and Collection (MBC) application)	38/B.4, 37/C.5	Additional Network Interface for DB server	4-8 Gbps Fibre Channel HBA cards (for SAN connectivity) with multi-path and automatic load balancing on the server side (2 no Fibre channel HBA cards per server) In addition to those required for establishing cluster).	Query - "4-8Gbps FC HBA" ? What does this mean ? Is it 4 nos of 8Gbps Single ported FC HBA or 4/8Gbps FC HBA ?		Please read it as - 8 Gbps Fibre Channel HBA cards (for SAN connectivity) with multi-path and automatic load balancing on the server side (2 no Fibre channel HBA cards per server. In addition to those required for establishing cluster).
18	M/s HP & M/s Orbit India	Database Server for GIS and Map Database Server & Database Server (DB Servers for Metering, Billing and Collection (MBC) application)	38/B.4, 37/C.5	Additional Network Interface for DB server	Minimum 2 numbers of 10 Gigabit ports based on latest PCI-e per server, in automatic fail-over / redundant configuration and auto-switching mode. (In addition to those required for establishing cluster).	Minimum 2 number of 10G ports ? Presuming it is only port level redundancy. Kindly confirm.		Tender document specifies both the card level redundancy and port level redundancy for 10 Gigabit fibre ethernet.
19	M/s HP & M/s Orbit India	Appl. & DB server	37/C.3, 39/D.12	Performance level	Minimum 32000 SAPs for each DB server; Minimum 17000 SAPs for each application server	SAPs at ECC EH7 level ? Kindly confirm.		SAPs are required at EHP 7 level.
20	M/s HP & M/s Orbit India	Appl. & DB server	37/C, 38/D	General		RFP does not mention whether it should be blade or Rack mount Servers. Can we offer blade Servers, as long as CPU scalability, memory and IO ports as per the RFP requirement is maintained ?		Bid will be evaluated as per tender specifications. Tender does not specify blade servers.
21	M/s HP & M/s Orbit India	Database Server for GIS and Map Database Server & Database Server (DB Servers for Metering, Billing and Collection (MBC) application)	37/C.5	Additional Network Interface for DB server		Can we offer Converged adapters based solution in the blades as long as the total IO bandwidth and port/hba level redundancy is maintained. This is to enable more IO ports in the solution.		Bid will be evaluated as per tender specifications. Tender does not specify blade servers and converged infrastructure.
22	M/s HP & M/s Orbit India	Application Server (MBC, CRM, PI, BW/BI, Enterprise Portal, Solution Manager, Development and Quality server)	38/D	Additional Network Interface in Appl. Servers		Can we offer Converged adapters based solution in the blades as long as the total IO bandwidth and port/hba level redundancy is maintained. This is to enable more IO ports in the solution.		Bid will be evaluated as per tender specifications. Tender does not specify blade servers and converged infrastructure.
23	M/s HP & M/s Orbit India	Application Server (MBC, CRM, PI, BW/BI, Enterprise Portal, Solution Manager, Development and Quality server)	38/D.4		The partitions on each server shall not share any I/O devices and shall have separate boot images.	"shall not share any IO devices". Is the expectation to have one dedicated FC and ethernet port for each OS instance ? How many partitions are expected per App Server ?	Do we need to factor the Network Interfaces given in A22, over and above the IO requirements of the partitions ?	The proposed system should support minimum 8 partitions with separate OS bootable image on logically separate IO sub systems

24	M/s HP & M/s Orbit India	Application Server (MBC, CRM, PI, BW/BI, Enterprise Portal, Solution Manager, Development and Quality server)	39/D.10		If the bidder proposes a large server in partitioned configuration to provide the required number of Application servers, the following points are mandatory: Any configuration change in one partition shall not affect any other partition unless desired. An error in one partition shall not bring the entire system or other partitions down.	What is the guideline for offering a large Server and providing required Application Servers ? * How many Application OS instances to be factored ? * What will be the IO requirement per Application Instance ?		The bidder is required to supply physical servers as per Bill of Material mentioned in Section 10 of Tender document. The minimum performance level of a physical application server should be 17000 SAPs as mentioned in tender document. No of OS instances can be up to the maximum no. of partitions mentioned in tender document.
25	M/s HP & M/s Orbit India	Bill of Material	D4 / Section X/D6	Bill of Material		Bill of Material has Application Servers with and without virtualisation software. Do we need to offer identical port counts across both types of App Servers - with and without virtualisation ?		Port counts should be similar for both types of application servers with and without virtualization.
26	M/s HP & M/s Orbit India	Bill of Material	Section X	Bill of Material		Do we need to offer Unix Virtualisation Software only for S. No. 3, 6 and 10 ? If yes, there is no different category for App servers with and without Virtualisation Software in Form III (kindly refer to S.No. 4). Kindly advise.		Refer Amendment-1 S.No.2 (Annexure-2)
27	M/s HP & M/s Orbit India	Bill of Material	E2/ Section X/F2	Bill of Material	Latest version of OEM operating system (Windows) shall be provided for each server, with required number of user license on each server (At least 4 for each server).	Bill of Material mentions some CAL licenses against each of the Windows Servers. Do we need to maintain those CAL licenses or do we need to stick to E2 description. Kindly advise ?		Bidder is required to provide OS and CAL Licenses as per Bill of Material mentioned in tender document.
28	M/s HP & M/s Orbit India	Misc. Servers (BCM/ CTI /IVRS server, DMS, Development and Quality server) & Misc. servers (GIS, Access Control, LDAP (AD), DNS, Exchange/Mail, EMS/NMS, Antivirus, IDM, System Security, Web, Reverse Proxy Servers, Development and Quality etc.)	40/E.13, 41/F.13	Network interface	LAN Controller per server Four (4) number gigabit NIC and 2 Number 4 Gbps or higher Fiber Host Bus Adaptors per server.	Are these port counts over and above the ports mentioned in A22 ?		These specifications mentioned in E.13 and F.13 are not over and above the specifications mentioned in A22.
29	M/s HP & M/s Orbit India	Acceptance of DR Software (add on component to supplied equipment)	14/e	Acceptance of DR Software (add on component to supplied equipment)	The bidder shall demonstrate all the features of the software package as applicable to OWNER who shall use the package thereafter to ensure performance without any software error/bugs for 30 days. If during the acceptance period the customer encounters any bugs/faults or incapability to execute specified application as per the manual, OWNER may cancel the order/license by giving written notice to the Bidder and return the package. Bidder shall either replace the software package or return the full payment within 15 days of the receipt of cancellation notice.	We do not see any technical requirements of DR Software in Section IX. We presume that DR software acceptance is not in the scope of this RFP. Kindly confirm.		Supply of DR Software is not in the scope of this tender.
30	M/s HP & M/s Orbit India	Payments terms	14/3.1-3.4	General	3.1 Payment shall be made on release order basis. Once the delivery/ installation against a particular release order is complete, bidder shall submit the invoices to RECPDCL. 3.4 Balance 25(Twenty Five) % payment shall be released after Successful Data Replication Drill and Testing between DC and DRC and acceptance of System by Goa Electricity Department. The bidder is required to obtain user acceptance from RECPDCL Nodal Officer. The bidder is required to obtain user acceptance from RECPDCL Nodal Officer and submit a copy of user acceptance to the designated Authority along with the invoice.	Point no. 3.1 states that payments will be per order realease, whereas 3.4 states that 25% payment will be released after DR is tested, both the points are conflicting because this is just a server order and DR will have various dependencies before it gets active and tested. Also we wish payment terms be made as per network tender.		payment terms shall be as per tender specifications.

31	M/s Lenovo & M/s Megahertz	Common Specifications for all Servers under RAS features	34/A.15	System Hardware	The servers shall be enterprise level SMP RISC / EPIC / X -86 64 based processor based systems. The offered systems should be high end Datacenter class servers with redundancy / N+1 features built in at every level like disk, memory, power supplies, cooling etc.	Kindly clarify whether redundancy required at Memory level is applicable for Intel servers also.		Yes
32	M/s Lenovo & M/s Megahertz	Common Specifications for all Servers under RAS features	35/A.23	Scalability	The system shall be horizontally or Vertically scalable (by using the same type of processors as offered) twice of it's capacity without I/VL clearance for each machine. Expandability with respect to additional RAM: Not less than 2 times of the offered capacity.	Kindly clarify whether REC is looking for same scalability in terms of CPU and memory in Intel servers also.	Kindly note for Intel servers required processor for most of the configuration are 2 No. & the Rack Unit per server required is 2U. This server cannot be scaled beyond 2 CPU's.	Bid will be evaluated as per tender specifications.
33	M/s Lenovo & M/s Megahertz	Common Specifications for all Servers under RAS features	35/A.24	Other Parameters	The offered system should be Partitionable to minimum 8 (eight) partitions. Each partition should be capable of booting different instances of Operating system and have identified separate I/O sub systems.	Kindly clarify whether REC is looking for same features in Intel servers also.	These are RISC server specification therefore these features are not possible on x86 servers	The proposed system should support minimum 8 partitions with separate OS bootable image on IO sub systems based on architecture available on X86 64 bit servers.
34	M/s Lenovo & M/s Megahertz	Additional Specifications for Database Server for GIS and Map Database Server	36/B.2	Processor	X-86, 2X (8 core, 2.0 Ghz, 20 MB)	Kindly change the clause to " Should be supplied with latest generation available processor with 2 No.s of 8 cores processor with minimum 2.0Ghz of clock frequency or higher, 20MB cache	Request you to kindly ask for latest generation processors so that every OEM quotes the same generation processor. This is to ensure healthy competition.	The specifications mentioned in the tender are the minimum required. The bidder can propose the higher specifications.
35	M/s Lenovo & M/s Megahertz	Additional Specifications for Database Server for GIS and Map Database Server	35/B.4	Additional Network Interface for DB server	4 8 Gbps Fibre Channel HBA cards (for SAN connectivity) with multi-path and automatic load balancing on the server side (2 no Fibre channel HBA cards per server) Minimum 2 number of 10 Gigabit ports based on latest PCI-e per server, in automatic fail-over / redundant configuration and auto-switching mode (In addition to those required for establishing cluster).	Kindly Change the clause to "4 No. of 8 Gbps Fibre Channel ports (for SAN connectivity) with multi-path and automatic load balancing on the server side (2 no Fibre channel HBA cards per server) Minimum 2 number of 10 Gigabit ports based on latest PCI-e per server, in automatic fail-over / redundant configuration and auto-switching mode (In addition to those required for establishing cluster).		Please read it as - 8 Gbps Fibre Channel HBA cards (for SAN connectivity) with multi-path and automatic load balancing on the server side (2 no Fibre channel HBA cards per server. In addition to those required for establishing cluster). Minimum 2 number of 10 Gigabit ports based on latest PCI-e per server, in automatic fail-over / redundant configuration and auto-switching mode (In addition to those required for establishing cluster).
36	M/s Lenovo & M/s Megahertz	Misc. Servers (BCM/ CTI /IVRS server, DMS, Development and Quality server) Misc. servers (GIS, Access Control, LDAP (AD), DNS, Exchange/Mail, EMS/NMS, Antivirus, IDM, System Security, Web, Reverse Proxy Servers, Development and Quality etc.)	39/E.4, 41/F.4	Processor	Xeon 8 Core 2.66GHz based processor With simultaneous Multi-threading.	Kindly change the clause to " Should be supplied with latest generation available processor with 8 cores processor with minimum 2.6Ghz of clock frequency or higher, 20MB cache	Request you to kindly ask for latest generation processors so that every OEM quotes the same generation processor. This is to ensure healthy competition.	The specifications mentioned in the tender are the minimum required. The bidder can propose the higher specifications.
37	M/s Lenovo & M/s Megahertz	Additional Specifications for Misc. Servers (BCM/ CTI /IVRS server, DMS, Development and Quality server) and Additional Specifications for Misc. servers (GIS, Access Control, LDAP (AD), DNS, Exchange/Mail, EMS/NMS, Antivirus, IDM, System Security, Web, Reverse Proxy Servers, Development and Quality etc.)	39/E.8, 41/F.8	HDD	No. & capacity of internal HDD per server: minimum 2x140 or higher or 3X73.4 GB 15K RPM SAS Drive. Internal HDDs shall be offered in hardware mirrored format.	Kindly change the clause to "No. & capacity of internal HDD per server: minimum 2x140 or higher or 3X73.4 GB 15K RPM SAS Drive. Internal HDDs shall be offered in hardware mirrored format."	As 140GB &73.4GB SAS HDDs are no longer available in latest generation servers with most of the OEM's. Therefore request you to change the clause.	The specifications mentioned in the tender are the minimum required. The bidder can propose the higher specifications.

38	M/s Lenovo & M/s Megahertz	Additional Specifications for Misc. Servers (BCM/ CTI /IVRS server, DMS, Development and Quality server) and Additional Specifications for Misc. servers (GIS, Access Control, LDAP (AD), DNS, Exchange/Mail, EMS/NMS, Antivirus, IDM, System Security, Web, Reverse Proxy Servers, Development and Quality etc.)	39/E.10, 41/F.10	Raid Controller	Dual/Dual channel hardware RAID Controllers at 320 MBPS or better and Integrated RAID 0, 1, It should not occupy PCI slot.	Kindly change the clause to " Should be proposed with RAID server adapter with RAID 0,1 support"	Most OEM's offer RAID adapter that occupies PCIe slot. Therefore request you to change the clause as it is OEM specific	PCI slot based raid controller / On board based raid controller will be considered provided that it complies to - "Dual/Dual channel hardware RAID Controllers at 320 MBPS or better and Integrated RAID 0, 1"
39	M/s Lenovo & M/s Megahertz	Additional Specifications for Misc. Servers (BCM/ CTI /IVRS server, DMS, Development and Quality server) and Additional Specifications for Misc. servers (GIS, Access Control, LDAP (AD), DNS, Exchange/Mail, EMS/NMS, Antivirus, IDM, System Security, Web, Reverse Proxy Servers, Development and Quality etc.)	39/E.11, 41/F.11	DAT Drive per server	One (1) Drive (35/70 GB capacity)	Kindly change the clause to " Internal/External One (1) Drive (35/70 GB or higher capacity)"		The hardware technical specifications mentioned in tender are minimum. However the bidder can offer higher specifications.
40	M/s Omniinfo	Common Specifications for all Servers	31/A.3	No. of CPUs	Maximum number of CPUs specified by IVL clearance shall not be exceeded, without compromising the desired performance.	what is IVL Clearance?		The bid will be evaluated as per tender specifications.
41	M/s Omniinfo	Common Specifications for all Servers	33/A.13	Support	Availability of spares and support for the system for a minimum period of 7 years from the date of acceptance by Owner.	Spare availability till 7 years required for all component?		Bidder shall maintain the mandatory and recommended spares during the warranty and AMC period (Total 7 Years)
42	M/s Omniinfo	Common Specifications for all Servers under RAS features	34/A.15	System Hardware	The servers shall be enterprise level SMP RISC / EPIC / X -86 64 based processor based systems. The offered systems should be high end Datacenter class servers with redundancy / N+1 features built in at every level like disk, memory, power supplies, cooling etc.	Redundancy / N+1 features required for Memory also?		The bid will be evaluated as per tender specifications. Redundancy/N+1 is required for memory as per tender specification
43	M/s Omniinfo	Common Specifications for all Servers under RAS features	34/A.16	Operating System	The OS shall be supplied with media and complete documentation shall be provided for each server.	Oracle server come with preloaded OS still required OS media?		OS Media is required as per tender specification
44	M/s Omniinfo	Common Specifications for all Servers under RAS features	35/A.23	Scalability	The system shall be horizontally or Vertically scalable (by using the same type of processors as offered) twice of it's capacity without IVL clearance for each machine.	what is IVL Clearance here?		The bid will be evaluated as per tender specifications.
45	M/s Omniinfo	Common Specifications for all Servers under RAS features	35/A.24	Other Parameters	The offered system should be Partitionable to minimum 8 (eight) partitions. Each partition should be capable of booting different instances of Operating system and have identified separate I/O sub systems.	It is through virtualization?		Yes It can be through virtualization