

MANIPUR STATE INFORMATION TECHNOLOGY SOCIETY

(A Government of Manipur Undertaking)

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CORRIGENDUM

Imphal, 4th June 2013

No. 34/1/2011 – MSITS (Pt-I): Reference 'Request for Proposal' (RFP) no. 34/1/2011 – MSITS (Pt-I) dated 8th May, 2013 for Selection of System Integrator (SI) for implementation of e-District Mission Mode Project (MMP) in Manipur.

2. The response to Pre-Bid queries submitted till 16/05/2013 is enclosed at Annexure-I and can be downloaded from <http://manipur.gov.in> and <http://msits.gov.in>.

3. The revised timelines for submission of bids and subsequent activities are as below:

Sl. No	Particulars	Details
1.	Last date & time for submission of Technical and Financial bids	5:00 PM on 20th June, 2013
2.	Technical Presentation by the Bidders	21st June, 2013 from 11:00 AM onwards
3.	Opening of Financial Bid	2:00 PM on 4th July, 2013

Nambam Deben

(Nambam Deben)

Member Secretary

Imphal, 4th June, 2013

No. 34/1/2011 – MSITS (Pt-I)

Copy to:

Principal Secretary (IT), Government of Manipur

CORRIGENDUM
4th June, 2013

ANNEXURE-I

No: 34/1/2011-MSITS (Pt-1): Responses to Queries raised by the Bidders for clarification received till 16th May, 2013 with respect to RFP 34/1/2011-MSITS (Pt-1) dated 8/05/2013 for Selection of System Integrator for implementation of e-District MMP, Manipur

S. No.	RFP Document Reference(s) (Section & Page Number(s))	Content of RFP requiring Clarification(s)	Points of clarification	Clarification Provided
1	manipur-e-district-vol-2 4.2.2 Offline Service Capability Page 31	The Offline capability should be developed only for those locations where there is acute shortage of electricity or connectivity. Most of the remote hill districts in Manipur operate under the constraints of inadequate power and insufficient connectivity. It is important to note that there is significant risk of loss of data in such conditions. Hence, the offline capability should be additional feature of application which can be utilized in specific conditions:	The offline solution should support remote deployment and remote management of offline solution services like – birth certificate , caste certificate etc	Kindly refer to Annexure 9, Page no 125, Vol 2 of RFP. The required feature has already been provided as part of basic system feature for the Offline Solution.
			Offline solution must prevent vendor lock-in by employing a standards-based programming model from the OSGi™.	Same as specified in the RFP.
			Offline solution should support transactional messaging & web services with security features	Kindly refer to Annexure 9, Page no 125, Vol 2 of RFP. The mandatory features for the Offline Solution has already been provided. Additional features that can be beneficial from the solution front for the State can certainly be provided as part of the technical solution
			Offline solution should provide security features including credential (key) store, enterprise single sign-on, two-factor authentication, RSA encryption etc.	Kindly refer to Annexure 9, Page no 125, Vol 2 of RFP. The required feature has already been provided as part of basic system feature for the Offline Solution.
			Offline solution should also support Signed Features, is FIPS 140-2 compliant, provides local encryption and time stamping for signed plug-ins.	Kindly refer to Annexure 9, Page no 125, Vol 2 of RFP. The required feature has already been provided as part of basic system feature for the Offline Solution.
			The offline solution should have the provision to rollout applications updates from central server.	Clarification: Kindly refer to Annexure 9, Page no 125, Vol 2 of RFP. The

			The offline solution should provide provision to report application versions on remote desktops	mandatory features for the Offline Solution has already been provided. Additional features that can be beneficial from the solution front for the State can certainly be provided as part of the technical solution.
			The offline solution should use xforms v1.1 / eforms technology to provide security features such as – eforms can be digitally signed using signatures and are temper proof hence will ensure the authenticity of data while working offline.	Clarification: Kindly refer to Annexure 9, Page no 125, Vol 2 of RFP. The mandatory features for the Offline Solution has already been provided. Additional features that can be beneficial from the solution front for the State can certainly be provided as part of the technical solution.
2	Section 6.5 RFP Vol 2, 11. 24 Port Switch Page 108	21. Certification: Switch shall be minimum EAL-3 Certified.	Please change this to: 21. Certification: Switch shall be minimum EAL-3/NDPP Complied.	Clarification: Only EAL3 or higher Certification is accepted as already specified in the RFP.
3	Section 6.5 RFP Vol 2, 11. 24 Port Switch Page 106	Inter-vlan capability from day 1 with min 500 IPv4 routes support.	Please change this to: Inter-vlan capability from day 1 with min 16 IPv4 routes support. Reason:512 Routes in Static Route Mode is not manageable and not practical as well. The same will be used with Routing protocols which are asked for Future. Hence request you to consider 500 Routes to be available in future when the features like OSPF etc comes in.	Same as mentioned in the RFP.
4	Manipur-e-district vol 2 -- Section 6.5, Page 76/78/80/82/84 -- web server/application server/database server/Backup server/EMS server - Processor	4 MB shared L2 cache	L2 cache is very old technology and request to make the same as atleast 10mb L3 cache	Amendment: Minimum of 2.4 GHz, 10MB L3 cache, 8GT/s, 1066Mhz FSB, Quad core
5	Manipur-e-district vol 2 -- Section 6.5, Page 76/78/80/82/84 -- web server/application server/database server/Backup server/EMS server –	Min 32 GB FBD RAM	Request to rename the same as 32 GB DDR3 RAM	Amendment: Minimum 32 GB DDR3 RAM

	RAM			
6	Manipur-e-district vol 2 -- Section 6.5, Page 76/78/80/82/84 -- web server/application server/database server/Backup server/EMS server - HDD	16 GB compact flash card to be provided Blade can be half / full height with I/O connectivity to backplane	IBM does not offer flash card with servers, Request to remove this point Request considering redundant I/O bays for better availability & to consider 8 I/O Bays in the chassis (including 4 high speed I/O bays)	Same as specified in the RFP Amendment: Bidders who would like to propose Blade Servers, the minimum specifications for Blade Servers and Blade Enclosure is provided at Point No: 6, Page No:35 of the Corrigendum Document.
7	None in tender doc - Chassis	No Chassis specifications	Request to mention the specs for Chassis to ensure proper redundancy for I/O & Power. Also request to specify number of blade bays to be offered as 14 full height or 16 half height (to ensure scalability/ investment protection for future)	Amendment: Chassis Specification is provided at Point No: 6, Page No: 34 of the Corrigendum Document.
8	None in tender doc - Storage	No Storage Specifications mentioned	As understood that SDC storage may be utilized, is there sufficient capacity available for the same. Else request considering/adding Storage specs for 50Tb for such a e-district solution	Currently the Manipur SDC's existing storage will be utilized for the e-District Application. Future needs on additional Storage will be arrived in due course of time.
9	manipur-e-district-vol-2, 5. Hardware Architecture Requirements Page 116	Hardware architecture must support existing Storage Area Network (SAN) & backup solution (at SDC).	Does SI/bidder has to propose additional SAN storage and backup software licenses as part of E-District project?	Currently the Manipur SDC's existing storage and backup software will be utilized for the e-District Application. Future needs on additional Storage will be arrived in due course of time.

10	Section 6.5 Page No. 85 RFP Volume 2	The tool shall integrate network, server and desktop performance information and alarms in a single console and provide a unified reporting interface for network and system components. The current performance state of the entire network and system infrastructure shall be visible in an integrated console.	It's been specified to consolidate the alarms from Network, Server & Desktops in a single console. Do you want to monitor desktops spread across remote locations as there would be a significant overload in commercial terms. Secondly, since desktops will be at remote locations and alarm consolidation will happen at DC this will impact the network bandwidth utilization as lot of alerts will be sent from desktops to DC. Thirdly, desktops will be switched off after office hours which will always show them offline/unavailable. Our submission is to remove desktop from the clause and keep it limited to network and server performance.	Clarification: The tool will be required to monitor only the desktops which are connected to the servers.
11	Section 6.5 Page No. 88RFP Volume II	The SLA Monitoring component of EMS will have to possess the following capabilities: o EMS should integrate with the application software component of portal software that measures performance of system against the following SLA parameters: Ø Uptime of Desktop; Ø Uptime of Server Ø Uptime of Networking Components	The clause is to monitor the performance of the portal software/ server. But under the clause it's been asked to monitor the Uptime of the Desktop. Please clarify, do you want to monitor desktops spread across remote locations as there would be a significant overload in commercial terms. Secondly, since desktops will be at remote locations and alarm consolidation will happen at DC this will impact the network bandwidth utilization as lot of alerts will be sent from desktops to DC. Thirdly, desktops will be switched off after office hours which will always show them offline/unavailable. Our submission is to remove Uptime Of Desktop from the clause and keep it limited to Uptime of Server & Uptime Of Networking Components.	Clarification: The tool will be required to monitor only the desktops which are connected to the servers.
12	Section 6.5, RFP Vol 2, 24 Port Switch Addition request	NA	Please add Stacking Bandwidth to be at least 64Gbps for a considerable stack performance. Please add Support for feature for Layer 2 Encryption with MACSEC, IEEE 802.3ae Please add requirement of Uplink Ports on the Switch. The switch should be able to have 4x1G Fiber Uplinks or 2x10G Fiber uplinks on the same chassis.	The minimum requirements for the Switch have already been provided in the RFP.

13	Section 6.5, RFP Vol 2, 12. Router Addition Request	NA	There is no mention of Router throughput. Request you to add "Router throughput should be 300kpps at least".	The minimum required specifications for the Router have already been provided in the RFP.
14	Web Server (Page 76), Application server (Page 78), Database server (Page 80), Backup server (Page 82), EMS server (Page 83)	2.2Ghz or above 4MB shared L2 cache, 1066MHz / 2000MT/s FSB. Processor should be latest series / generation for the server model being quoted.	Required CPU is now EOL. Proposed to change this as follows: E5-2609, 10M L3 cache, 8GT/s, 1066Mhz FSB, Quad core.	Amendment: Minimum of 2.4 GHz, 10MB L3 cache, 8GT/s, 1066Mhz FSB, Quad core
15	6.5 – Form B, page 76, 82, 83, 85 Web Server, Application Server, Database Server, Backup Server, EMS server.	2.2 GHz or above with 4 MB shared L2 cache, 1066 MHz / 2000 MT/s FSB Processor should be latest series/generation for the server model being quoted.	Normally L3 cache is shared. Please change L2 cache to L3 cache.	Amendment: Minimum of 2.4 GHz, 10MB L3 cache, 8GT/s, 1066Mhz FSB, Quad core
16	6.5 – Form B, page 76, 77, 83, 84, web Server, Application Server, Database Server, Backup Server, EMS server.	2 X 146GB HDD or more hot swappable system disk with mirroring using integrated RAID 0,1 on internal disks, or min.16 GB compact flash card to be provided. It should be possible to hot swap the drives without shutting down the server.	16 GB compact flash asked is very low in comparison to 146GB HDD. Also current days OS requires larger size for deployment and over on than application deployment may have critical capacity limitation in the local drive. We suggest to remove the same.	Same as mentioned in the RFP.
17	Vol-2, Page 108, SI No: 21 of 24 Port Switch Specification	Certification : Switch shall be minimum EAL-3 Certified	Please remove this clause. EAL certification is needed in those components which are placed in the gateway like Router or Firewall. A switch is generally installed inside the network. So EAL certification is not very much required in a Switch.	EAL3 or Higher Certification is accepted as already specified in the RFP.
18	Vol-2, Page 109, SI No: 4.a of Router Specification	a) 6 x 10/100/1000 Base interface with interface with support for both LAN & WAN protocols.	Please change this statement to: " 2 x 10/100/1000 Base-T interface for LAN and 4 x 10/100 Base-T Interfaces for WAN." In a remote place the WAN bandwidth can't be more than 100 Mbps. So by asking 6 x 10/100/1000 Base ports will only increase the cost of the router without any benefit.	Same as mentioned in the RFP.

19	Vol-2, Page 113, SI No: 9. J) of Router Specification	j) Internal IPS capability with support for 2000 signature database.	Kindly remove this statement or allow IPS feature to be provided internally or externally of the router. IPS scans every packet comes in through a interface. This will create huge load on the router CPU and decrease the routing performance. That's why it's not suggested to have IPS feature in a router.	Clarification: Internal IPS Capability feature required.
20	Vol-2, Page 114, SI No: 11. (a) of Router Specification	a) Common Criteria: Certified EAL3 or higher.	Kindly change this statement as " a) Common Criteria Certified EAL2 Certified or higher." This will help multiple OEMs to qualify.	Only EAL3 or higher Certification is accepted as already specified in the RFP.
21	Page No.93,Point No.14	Touchpad with Track points.	Touchpad with multipoint gesture support	Same as mentioned in the RFP.
22	Section 6.5, Page No.93,Point No.16	Minimum 4 USB(Ver.2.0 including 1e SATA/USB Combo, VGA, Speaker, Microphone, Display Port	Minimum 4 USB(2 nos Ver.2.0 and 2 No.s 3.0), VGA, Speaker, Microphone, HDMI Port	Please refer to Section 6.5 Form B of Volume 2 of RFP. It's clearly stated that the specs provided is the minimum spec that is required as part of the Hardware and Infrastructure Component. Any higher or latest technology specification can also be proposed.
23	Section 6.5, Page No.93,Point No.17	Express Card Slot, Multi-card Reader.	Multi-Card Reader	Same as mentioned in the RFP.
24	Section 6.5, Page No.93,Point No.18	OEM 90W AC Adaptor suitable for 230V supply	OEM 65W AC Adaptor suitable for 230V supply	Same as mentioned in the RFP.
25	Section 6.5, Page No.94,Point No.26	3 years comprehensive OEM warranty including battery with Accidental damage projection cover for the laptop from OEM.	3 years comprehensive OEM warranty with Accidental damage protection cover for the laptop from OEM	Same as mentioned in the RFP.
26	Section 6.5, Page 90(Desktops specs)	250-watt 450 watt ATX Power Supply – 92% PFC (Active Power Factor Correction (PFC) power supply). Surge protected.	It should be 240Watt only with 90% power efficiency supported by Gold Epeat certification. There is no 92% power efficiency, 90% is the highest score. Gold Epeat certification means that the product really meets this criteria.	Amendment: 240 watt with ATX Power Supply of 90% Active power factor and surge protection.
27	Section 4.2, Vol II/ Asset Management/ Pg. # 29	VII. Asset Management: As mentioned in Section 4.5 (II), there is a requirement to have an asset management module procured under e-District project, to monitor the assets used for e-District project at various offices and procured under various Schemes.	Is IT Asset Lifecycle management for IT Procurement, Contract, Financial and Software License Metering is a requirement?	The Asset Management Module should be able to monitor the assets used for e-District project at various offices and procured under various Schemes.

28	Section 6.5, Vol II/ EMS Software Features/ Fault Management / Pg. # 85	The tool shall integrate network, server and desktop performance information and alarms in a single console and provide a unified reporting interface for network and system components. The current performance state of the entire network and system infrastructure shall be visible in an integrated console.	Is desktop performance also be a part of Enterprise Performance Management requirement or a Desktop/Client management / automation (like Patch, Provisioning and configuration) is required?	Same as mentioned in the RFP.
29	Section 6.5, Vol 2 of RFP, Security - Page 107	Should support a) 802.1x . b) AAA . c) SSH v1, v2. d) SSL. e) Host to Host and Switch to Switch authentication.	SSL and Host to Host and Switch to Switch authentication are not the Core functionality of the Switch. Hence request to kindly remove the clause and allow all leading OEM's to participate	Same as mentioned in the RFP.
30	Section 6.5, Vol 2 of RFP, Uplink Ports - Page 108	Switch should have SFP based uplink ports.	Kindly confirm if these ports are in addition to the asked 24 10/100/1000 ports?	Same as specified in the RFP.
31	Section 6.5, Vol 2 of RFP, Architecture - Page 108	b) Should have support for IPSEC VPN.	Request to kindly clarify if IPSEC is required from day 1?	Same as specified in the RFP.
32	Section 6.5, Vol 2 of RFP, Architecture - Page 108 and Page 109	c) Should have minimum of 256MB of RAM and 32 MB of Flash Memory.	For better performance, it is recommended to have minimum 512MB RAM and 64 MB Flash. Request to kindly consider the same.	Amendment: Should have minimum of 512MB of RAM and 64 MB of Flash Memory.
33	Section 6.5, Vol 2 of RFP, Performance - Page 109	a) Should support high performance traffic forwarding with concurrent features like Security, Voice enabled.	Voice is not supported on Routers by all OEM's, hence request to kindly consider voice traffic in place for voice enabled and allow all leading OEM's to participate.	Amendment: Should support high performance traffic forwarding with concurrent features like Security, Voice traffic etc.
34	Section 6.5, Vol 2 of RFP, High Availability - Page 110	Should support Non-Stop forwarding for fast re-convergence of routing protocols.	This feature is supported with dual CPU, which none of the OEM's are having in MID range routers. Hence request to kindly remove the same.	Same as mentioned in the RFP.
35	Section 6.5, Vol 2 of RFP, Boot Options, Page 110	c) Should support boot options like booting from TFTP server, Network node.	Different OEM's have different booting options, hence request to kindly remove the same.	Clarification: Atleast one of the boot options suggested need to be part of the network equipment. Along with that any other booting options is also accepted.

36	Section 6.5, Vol 2 of RFP, Protocols - Page 111	Integrated firewall including support for nat, pat, acl, ipsec from day 1.	Request to kindly clarify if the mentioned features are required from day 1?	Same as specified in the RFP.
37	Section 6.5, Vol 2 of RFP, Security Features - Page 113	j) Internal IPS capability with support for 2000 signature database.	Kindly clarify if IPS is required from day 1 and also confirm if 2000 signatures are concurrent signatures?	Same as specified in the RFP.
38	Section 6.5, Vol 2 of RFP, Management - Page 114	c) Shall support Out of band management through Console and external modem for remote management.	Different OEM's have different management options, hence request to kindly remove external modem for remote management.	Amendment: Shall support out of band management through console and other suitable solutions for remote management.
39	Section 6.5, Vol 2 of RFP, Page 101. Annexure B	DRC	Will DRC be 100% of DC or 75% of DC or 50% of DC. Kindly explain.	100% of DC.
40	Section 6.5, Vol 2 of RFP, Page 101. Annexure B	DRC	Within DC, do you require high availability as it will impact the licenses of the database	Yes, high availability is required.
41	manipur E-District vol-1.pdf - Schedule of Bid process Page-6	Last date, Time and Place (deadline) for submission of Technical bids - 5 PM on 13th June 2013	Request to kindly extend the submission date atleast by 3 Weeks after the publication of Pre-Bid	Amendment: Revised Dates for Submission of Technical & Financial Bids and further proceedings are mentioned at Point No: 7, Page No: 37 of the corrigendum document.
42	Vol 2, Pg 15, sec 4.1.1	Overview	Please provide details of equipment, software licensed, routers, firewall, bandwidth, storage etc available at DC.	Details provided in the point no. 4, page no 32 of the corrigendum document.
43	Vol 2, Pg 15, sec 4.1.1	Overview	Please provide details of services and status of SSDG project implementation/ completion in the state	Details provided in the point no.5 page no. 33 of the corrigendum document.
44	Vol 2, Pg 36, sec 4.2.2.3	STQC	Will the state pay fees of STQC, GoI or is the bidder expected to pay these fees to GoI. If yes pl. indicate approximate fees usually charged by STQC.	SDA will pay the fees for STQC certification.

45	Vol 2, Pg 42, sec 4.2.4	Digitization	Please provide detailed volumetrics of data digitization, data entry, data migration etc by each service. This is important as services are broken into two waves and hence helps bidder plan more accurate digitization plan	Clarification: Please refer to Section 4.2.4 of Data digitization, Page No 42 of Vol 2 of RFP. As mentioned in the RFP the SI shall conduct a ground study service wise to bring out the exact Data Digitization Requirement for the services selected for e-District Roll-Out.
46	VOLUME I-6.1 Pre-Qualification Criteria/VOLUME I/Specific Requirement/Page -21	Company experience in implementation of integrated turnkey projects around application development as a System Integrator in India.(Specifically each project should have components of Hardware, Networking, Helpdesk and Application related training necessarily for this project). Refer to the Important Note below for more details.Number of such Assignments of value (as specified for tiers) which have gone live in the past 5 years(FY 12-13, 11-12, FY 10-11, FY 09-10 and FY 08-09)One 20 Crores ProjectORTwo 10 Crores ProjectsORThree 8 Crores Project.	Kindly change the clause as under:Company experience in implementation of integrated turnkey projects around application development as a System Integrator in India. Multiple orders in a project within the period will also be considered.(Specifically each project should have components of Hardware, Networking, Helpdesk and Application related training necessarily for this project). Refer to the Important Note below for more details.Number of such Assignments of value (as specified for tiers) which have gone live in the past 7years (FY 12-13, 11-12, FY 10-11, FY 09-10 , FY 08-09,FY 07-08,FY 06-07)One 10 Crores ProjectORTwo 5 Crores ProjectsORThree 4 Crores Project.	Same as mentioned in the RFP.

47	6.2 Technical Qualification Criteria/Sl No.1/Past Experience of the responding firm/a./System Integration projects/Page No.22&23,Vol 1 of RFP	At least THREE client references for implementation of an integrated turnkey project around .a) network solution and b) software development c) Hardware commissioning and d) O&M phase for maintaining all of the above. Weighted average to be used for the 3 case studies. For each project the marks would be based on the following :>INR 15crores = 10points;>INR 12crores but less than INR 15crores=8 points;>INR 9crores but less than INR 12crores=6 points;>INR 6crores but less than INR 9crores=4 points;>INR 3crores but less than IN R 6crores =2 point;else 0	Kindly change the clause as under:At least THREE client references for implementation/ongoing of an integrated turnkey project around .a) network solution and b) software development c) Hardware commissioning and d) O&M phase for maintaining all of the above. Weighted average to be used for the 3 case studies. For each project the marks would be based on the following :>INR 10crores = 10points;>INR 8crores but less than INR 10crores=8 points;>INR 6crores but less than INR 8crores=6 points;>INR 4crores but less than INR 6crores=4 points;>INR 2crores but less than IN R 4crores =2 point;else 0	Same as mentioned in the RFP.
48	VOLUME I-6.2 Technical Qualification Criteria/Sl No.1/Past Experience of the responding firm/b./Hardware Products Installation/Page No.23	Whether the Firm has delivered hardware products in at least ONE of the work orders of similar size in the last 3 years.of hardware only: > INR 4crores = 5 points; >INR 3crores but less than INR 4crores=4 points; > INR 2crores but less than INR 3crores=3 points; >INR 1crores but less than INR 2 crores=2 points; >INR 1 crores but less than INR 0.5 crore=1 point; else 0.	Kindly change the clause as under: Whether the Firm has delivered hardware products in at least ONE of the work orders of similar size in the last 5 years.of hardware only: > INR 4crores = 5 points; >INR 3crores but less than INR 4crores=4 points; > INR 2crores but less than INR 3crores=3 points; >INR 1crores but less than INR 2 crores=2 points; >INR 1 crores but less than INR 0.5 crore=1 point; else 0.	Same as mentioned in the RFP.

49	VOLUME I-6.2 Technical Qualification Criteria/SI No.1/Past Experience of the responding firm/c./Software Solutions/Page No.23	At least TWO completed / ongoing software development projects each having a minimum value of INR 1.50 crore – for software development component only). The project should have some or all of the following components :– Portal– Web based Application Server– Electronic Forms>4 Projects – 5 points;4 Projects - 4 points;3 Projects - 3 points;2 Projects - 2 points;else 0	Kindly change the clause as under:At least TWO completed / ongoing software development projects each having a minimum value of INR 1.50 crore – for software development component only). The project should have some or all of the following components :– Portal– Web based Application Server– Electronic Forms>3 Projects – 5 points;2Projects - 4 points;1 Projects - 3 points;else 0	Same as mentioned in the RFP.
50	VOLUME I-6.2 Technical Qualification Criteria/SI No.1/Past Experience of the responding firm/d./ Maintenance Services and Helpdesk in the State/Page No.23	In case of any one project done for the following locations : a) covers >7 Districts – 5 points b) covers > 5 Districts – 3 points c) covers > 3 Districts – 1 points else- 0.	Kindly change the clause as under: In case of any one project done for the following locations : a) covers >5 Districts – 5 points b) covers > 4 Districts – 3 points c) covers > 3 Districts – 1 points else- 0.	Same as mentioned in the RFP.
51	VOLUME I-6.2 Technical Qualification Criteria/SI No.1/Past Experience of the responding firm/e./Projects in India/Page No.25	SI Projects undertaken in India involving at least 6 locations with a value of more than INR 2 crores per project >=6 Projects – 5 points; 4 projects - 3 point 2 Project - 1 points; else 0. However if any one of the projects undertaken has a value more than INR 20 crores– 5 points	Kindly change the clause as under: SI Projects undertaken in India involving at least 6 locations with a value of more than INR 2 crores per project >=4 Projects – 5 points; 2 projects - 3 point 1 Project - 1 points; else 0.However if any one of the projects undertaken has a value more than INR 10 crores– 5 points	Same as mentioned in the RFP.

52	VOLUME I-6.2 Technical Qualification Criteria/Sl No.1/Past Experience of the responding firm/ last para/Page No.25 &26	Note :1. For all the above, the Completion Certificate of the projects completed in the last 5 years (as on 31st March, 2013) need to be provided (issued to the responding firm by the respective customers)2. The value of the projects considered in the above criterion would be based on the Purchase Order or the LOI issued to the responding firm. In absence of the supporting documents, the projects would not be considered for evaluation.	Kindly change the clause as under:1. For all the above, the Completion/ongong Certificate of the projects completed in the last 7 years (as on 31st March, 2013) need to be provided (issued to the responding firm by the respective customers)2. The value of the projects considered in the above criterion would be based on the Purchase Order or the LOI issued to the responding firm. In absence of the supporting documents, the projects would not be considered for evaluation.	Same as mentioned in the RFP.
53	VOLUME I Resource Deployment/Point.4.a/ Page 30	Quality of CV for the full time Project Manager proposed for the project management Quality of the application support personnel to be looked at. Maximum of 5 CVs, who would be working full time on project.	Kindly clarify the following: a. whether one sample CV can be given in the proposed format?. b..What are the Experience and qualification needed for the Proposed CV?	a) Yes, one sample CV will also do. But from an understanding perspective of the commitment and the quality of manpower that the prospective SI is proposing to be a part of the project team full time, the more the number of CVs (max of 5 CVs), the better it is.. b) Minimum Experience and Qualification needed is provided at the end of the document.
54	VOLUME I-Resource Deployment/Point.4.b /Page 30	Quality of District level as Technical e-District managers Quality of the application development team to be looked at. Maximum of 8 illustrative CVs who would be working at District level as Technical e-District manager.	Kindly clarify the following: a. whether one sample CV can be given in the proposed format?. b..What are the Experience and qualification needed for the Proposed CV?	a) Yes, one sample CV will also do. But from an understanding perspective of the commitment and the quality of manpower that the prospective SI is proposing to be a part of the project team full time, the more the number of CVs (max of 8 CVs), the better it is. b) Minimum Experience and Qualification needed is provided at the end of the document.
55	Volume-3--SCHEDULE – VI–TERMSOF PAYMENT SCHEDULE/S. No- 4/PAGE-60	STQC Certification	Kindly clarify the following: 1. Is it the Bidder's responsibility to obtain STQC Certificate ? 2. Who will bear the expenses on the STQC Certification?	The Bidder is not required to bear the expenses for STQC Certification. The Bidder shall only co-ordinate with all the activities to assists authorities in achieving and obtaining the STQC Certificate.

56	Volume-3--SCHEDULE – VI–TERMSOF PAYMENT SCHEDULE/S. No-1/PAGE-60	• Approval of Final SRS& Final To-Be and System Level Study – 10% • UAT of the e-District Application by Apex Committee, deployment of necessary hardware at SDC and completion of necessary activities- 5% • Successful District Readiness for all offices, i.e. Completion of all activities/commissioning of all hardware & networking equipment in a district – 15% • STQC Certification- 5% • “Go-Live” of all services in at least 25% Districts- 5% • “Go-Live” of all services in at least 50% Districts- 5% • “Go-Live” of all services in at least 75% Districts- 5% • “Go-Live” of all services in at least 100% Districts- 5% • Operations and Maintenance Phase- 36% (To be paid quarterly (3% per quarter) for 36 months) • Successful Exit Management- 9%	Kindly change the clause as under: • Approval of Final SRS& Final To-Be and System Level Study – 20% • UAT of the e-District Application by Apex Committee, deployment of necessary hardware at SDC and completion of necessary activities- 10% • Successful District Readiness for all offices, i.e. Completion of all activities/commissioning of all hardware & networking equipment in a district – 25% • STQC Certification- 5% • “Go-Live” of all services in at least 25% Districts- 5% • “Go-Live” of all services in at least 50% Districts- 5% • “Go-Live” of all services in at least 75% Districts- 5% • “Go-Live” of all services in at least 100% Districts- 5% • Operations and Maintenance Phase- 15% (To be paid quarterly (3% per quarter) for 36 months) • Successful Exit Management- 5%	Same as mentioned in the RFP.
57	Volume-1-6.2 Technical Qualification Criteria/Sl No.2C/Training/Page No.28	Proposed Training and Change Management plan description to be looked into.	Kindly clarify the following queries: 1.How many persons will be trained in the training? 2. What are various topics of training? 3.What are the various phases of training ? 4.How many persons will be trained in each of phase of training ? 5.What will be the duration of the training? 6.Who will provide the Infrastructure including Space, Power, PC's etc. for the training? 7. Kindly suggest the training location to enable us to strategize training plan	Same as specified in Section 4.2.8, Page 45 of Volume 2 of the RFP. With respect to the number of persons to be trained as part of the Capacity Building Activity, the current number stands at 683 in Group I and 5863 in Group II. The actual number will be decided once the SI is on boarded. The Trainings will be conducted for the employees in their respective Districts. The exact location will be decided at a later point of time.
58	Hardware Sizing	What will be the numbers of internal (department/intranet) and external (internet) users ?	Number of intranet and internet users are required for average, peak and concurrent uses. Corrigendum to indicate these	Clarification: 2000 concurrent user at a time.

59		Data Storage Size	What may be the data storage size for the application? Required for hardware sizing and cost estimation	Clarification: Approx 10 Mb per transaction
60	'Secondary Storage	Needs for Mass Secondary Storage	Any requirement of NAS/SAN not indicated; will these be required?	Currently the Manipur SDC's storage will be utilized for the e-District Application. Future needs on additional Storage requirement will be arrived in due course of time.
61	Section 4.2.4, Page no 42, Vol 2 of RFP	Data Digitization	What may be the volume (approximate MB/GB) of data digitization; what is the proportion of manual data and electronic data for data migration. Required for effort and cost estimation	Please refer to Section 4.2.4 of Data digitization, Page No 42 of Vol 2 of RFP. As mentioned in the RFP the SI shall conduct a ground study service wise to bring out the exact Data Digitization Requirement for the services selected for e-District Roll-Out. The approximate nos. of records for Data Entry is already specified in Section 6.3 on Page 71 and the cost that is required is also the unit cost for Data entry & Data Digitization. Also the cost component required w.r.t digitization is unit cost per unit for Data Digitization and Data entry.
62	Section 4.2.4, Page no 42, Vol 2 of RFP	Document Digitisation / Document Management system	What may be the volume (approx. numbers in A4/higher sizes) of documents for digitization? Required for effort and cost estimation	Please refer to Section 4.2.4 of Data digitization, Page No 42 of Vol 2 of RFP. As mentioned in the RFP the SI shall conduct a ground study service wise to bring out the exact Data Digitization Requirement for the services selected for e-District Roll-Out. The approximate number of records for Data Entry is already specified in Section 6.3 on Page 71 and the cost that is required is also the unit cost for Data entry & Data Digitization.
63	pg-60/ Sec 4.3.4/ Help Desk and Trouble ticket, Vol 2 of RFP	Selected Bidder will setup centralized helpdesk	Will customer arrange for the call centre/helpdesk support application software? Detail spec will be required in case SI has to supply	Same as specified in Section 4.3.4, Page 60 Vol 2 of the RFP.
64	Annexure B, Page no: 101, Vol 3 of RFP	SLA and Performance Monitoring	What is the overall system uptime required? What are the SLA matrices?	Provided in Annexure B of Vol 3 of RFP.

65	6.6 Site Preparation Estimated Requirement/ Page 114 of Vol II	civil works.- 193	Please share the detailed scope of Civil work	Clarification: a) Painting (Wall, doors, windows etc.) Acrylic/Plastic emulsion, b) Flooring
66	Form C: Bill of Material (Infrastructure at Field Offices)/ Network Printer cum Fax, page 96 of vol II	Monthly Duty Cycle - Min 1000010000 pages.	The duty cycle seems to be very high. Please reconsider the monthly duty cycle value.	Correction: Monthly Duty Cycle - Min 10000 pages
67	Form C: Bill of Material (Infrastructure at Field Offices)/ 7. UPS – 1 KVA online UPS, page 99 of vol II	Backup Time - 30 min VAH 936 ; 60 min 1512 VAH; 120 min 2340VAH ; 8 hrs approx 8640.	Please specify the required battery backup time.	Same as specified in the RFP.
68	RFP Vol I Page No 20 Section 6.1	The responding firm should be minimum CMMi Level 3.	As this is a complex and large project, So we suggest to increase the minimum standards to CMMi Level 5.	Same as specified in the RFP.
69	RFP Vol 2 Page No 11 Section 3	The solution architecture of the e- District project envisages a centralised application and database and will leverage the core e- infrastructure of State Wide Area Network, State Data Centre and State Service Delivery Gateway.	Kindly share the current implementation status of State Wide Area Network, State Data Centre and State Service Delivery Gateway in the state of Manipur	Implementation status of SWAN already provided as part of RFP. SDC is already fully set up in the state. SSDG has also been implemented in the State with the inclusion of 40 services.
70	RFP Vol 2 Page No 31 Section Offline Capability	The Offline capability should be developed only for those locations where there is acute shortage of electricity or connectivity.	Kindly share the details of such location where offline connectivity is required	Amendment: The Offline solution is meant for all locations.
71	RFP Vol 2 Page No 36 Section 4.2.2.3	Obtain STQC Certification for E- District Application	Kindly confirm that STQC certification is required only for the Application	STQC Certification is required for Application Only.
72	RFP Vol 1 Page No 71 Section Financial Proposal	Financial Proposal	Cost of STQC certification is not available in financial proposal.	Cost of STQC Certification will be borne by the state. All the Co-ordination required for obtaining the STQC Certification will be done by the SI. The activities are as mentioned in Section 4.2.2.3, Page 36, Vol 2 of RFP.

73	RFP Vol 2 Page No 47 Section 4.2.8.3	Training Plan	Kindly share the batch size and minimum number of resources to be trained in each training type	Same as specified in Section 4.2.8, Page 45 of Volume 2 of the RFP. With respect to the number of persons to be trained as part of the Capacity Building Activity, the current number stands at 683 in Group I and 5863 in Group II. The actual number will be decided once the SI is on-boarded and a ground level study is performed.
74	RFP Vol 2 Page No 70 Section 4.3.4	Help Desk and Trouble ticket management system	Please specify the number of resources per shift and qualification of resources to be deployed for Helpdesk	The Shift wise rotation and allocation of resources is part of the Project Plan that needs to be submitted by the SI once on-boarded.
75	RFP Vol 1Page No 71Section Financial Proposal	Finger print scanning IAFIS specifications.	Some of the product specification are missing in volume 2. Kindly provide the same	The specifications provided in the RFP are the minimum specifications required as part of the various hardware and infrastructure components. Bidders based on their experience and understanding of the required solution provided higher or additional features/specifications.
76	Point no 5, Section 6.5, Page no: 98, Vol 2 of RFP	160 VAC – 300 VAC @ 100% Load, 110 VAC – 300 VAC @ 50% Load	160 VAC – 280 VAC @ 100% Load, 110 VAC – 280 VAC @ 50% Load	Amendment: 160 VAC – 280 VAC @ 100% Load, 110 VAC – 280 VAC @ 50% Load
77	Point no 13, Section 6.5, Page no: 98, Vol 2 of RFP	Less or equal to 3% for 100% nonlinear load (Battery mode)	<8% (but this is specified in terms of peak value)	Same as mentioned in the RFP.
78	Point no 21, Section 6.5, Page no: 99, Vol 2 of RFP	Inbuilt protection for surge suppression and EMI/RFI filter provided as well as The unit shall have Surge Current Capacity of min. 10kA with two mode of protection & <0.5 ns Response time. UPS shall be provided with only externally connected SPD as per IEEE Standard 1100-2005	IEC 61000-4-5:2005 for Surge - complied MOV's provided at the UPS input for surge suppression. EN62040-2:2006 for EMI/EMC-complied. SPD needs to provide external	Same as mentioned in the RFP.
79	Point no 14, Section 6.5, Page no: 98, Vol 2 of RFP	UPS Status, Load level, Battery level, Input / Output voltage, Discharge Timer & Fault conditions	Partially complied we do not have Discharge TIMER and Fault condition is from LED	Same as mentioned in the RFP.

80	Point no 25, Section 6.5, Page no: 100, Vol 2 of RFP	Should have programmable power management outlet for independent control of load segment.	We have two groups of outlets which can be managed as critical or non-critical load during the mains power failure to extend the back up time for the critical load.	Same as mentioned in the RFP.
81	Point no 26, Section 6.5, Page no: 100, Vol 2 of RFP	Should be capable of operating in ECO mode for energy saving.	Generally the ECO mode is not recommended for the critical data storage devices/ PCs. Moreover the online losses are low for the 1kVA UPS. Hence we recommend to operate the UPS only in online mode.	Clarification: ECO mode is required only for 5 KVA or more capacity UPS.
82	Point no 4, Section 6.5, Page no: 101, Vol 2 of RFP	4.Temperature compensated battery charging feature should be built-in for prolonged battery life.	External	Same as mentioned in the RFP.
83	Point no 4, Section 6.5, Page no: 101, Vol 2 of RFP	5.The UPS should be compatible for single and three phase input supply.	Single in single out	Amendment: The UPS should be compatible for single in single out Supply.
84	Point no 25, Section 6.5, Page no: 102, Vol 2 of RFP	UPS should meet ROHS R5 standards.	ISO-9001, 14001, OSHOS	Same as mentioned in the RFP.
85	RFP Vol II 4 Scope of Project & RFP Vol III ANNEXURE – C – REQUIRED DELIVERABLE AND ASSOCIATED TIMELINES	Implementation Plan & Go Live	Scope of project talks about Go live in 5 districts and Roll out in 4 districts and O&M for 3 years post go live. Whereas the annexure on timelines describes project timelines on basis of Wave 1 & Wave 2 Modules. These two should be in sync. We need clarification on when go live will be considered...on completion of all wave 1 and wave 2 services in pilot districts or in all districts.	Same as mentioned in Point 2, Section 4 Scope of the Project, Vol 2 of the RFP. II. The implementation in the states is proposed to be carried out in 2 phases. In the first phase, the following 5 districts in the State will be catered to and e-District services will be rolled out in them. 1. Imphal West 2. Imphal East 3. Bishnupur 4. Thoubal 5. Ukhrul Once Go-Live is achieved in the above 5 districts, the same will be rolled out in the rest of the 4 districts in the State. Also need to adhere to the payment milestones.
86	Vol I Section 7.1 Page 31 Award Criteria	MANIPUR STATE IT SOCIETY, Manipur will award the Contract to the successful bidder whose financial proposal is the lowest and would consider it as substantially responsive as per the process outlined above.	We request you to consider QCBS evaluation criteria with 70:30 weightage for technical & commercial respectively	Same as mentioned in the RFP.

87	Vol I 6.1 Prequalification Criteria Serial No. 6 Page 20	The responding firm should be minimum CMMi Level 3.	We have completed the initial audits for CMMi Level 3 recently and the certification is pending from the Authority. The Authority assured that the final certificate of CMMi Level 3 compliant will be issued by July'2013. Under this situation, we request you to consider our case as "CMMi Level 3" applied for and we can produce a certificate towards this from our CMM auditors. Suggest please consider this case towards CMM level certification	Same as mentioned in the RFP.
88	Vol I, 7.7, Clause II, Page no 33 Failure to agree with Terms and Conditions of the RFP	Clause II: In such case, Manipur State IT Society, Manipur Shall invoke the PBG of the most responsive bidder.	Need clarification on the PBG amount that the successful bidder needs to submit and also the duration of the PBG	Same as mentioned in Section 7.5 of Volume 1 of the RFP.
89	Vol 1. Form 4A,Page no 39	Compliance Sheet for PreQualification Proposal	Need clarification whether this compliance sheet along with supporting documents would suffice as Pre-Qualification proposal or we need to submit the same in any other format.	Please refer to the RFP.
90	Vol II, Section 4.2: Scope of Services- Project Implementation Phase. Page no 18	Clause 4.2: " This entails that the SI can enter into a consortium arrangement with competent partners..."	Need following clarification :a) Whether consortium bidding is allowed? If yes, maximum how many partners can be there in the consortium? b) Whether pre qualification criteria can be met through any of the consortium members or only by lead bidders? c) Whether it is allowed that some of the pre-qualification criteria can be met by the lead bidder and some of the others are met through the other consortium partners?	a) Please refer to Section 4.2 of Volume 2 of the RFP. b) The pre-qualification and all other criteria need to be met by the lead bidder of a consortium only. C) Already specified in point b above.
91	11. 24 Port Switch : Mac Address Learning Page 107	Automatic update Should have atleast 10K MACs & 512 Configurable VLANs.	Please consider asking 8K MAC addresses and 255 VLANs from day-1 and upgradeability to 1024VLANs in Future. 512 VLANs is too high for current scenario.	Same as mentioned in the RFP.
92	Vol II Page 89 (Desktop specification	Intel Core I 5 or higher	Intel core I 5 or equivalent AMD processor	Same as mentioned in the RFP.
93	Vol II Page 90 (Desktop specs)	Memory 2GB upgradable to 16GB , 2 DIMM Slots	It should be with 4DIMM slots, 2 DIMM slots does not support 16GB In Desktops	Amendment: Memory 2GB upgradable to 16GB , 4 DIMM Slots

94	Section 13 and Schedule VI and Page 40 & 60, Vol 3 of RFP	Terms of Payment & Taxes	Request the following changes in clause 13.2:-(1) The SI to have the right to levy an interest at the rate of 1.5 percent per month for all payments due for more than thirty (30) days on the invoice amount calculated from the date the payment became due until the recovery is made in full with interest.(2) The SI to also have the right to withhold provision of Services in case of nonpayment of invoices within 30 days of receipt of invoice and any such withholding by the SI shall not be treated as breach.Request the following changes in clause 13.3:-All fees payable to the SI shall be exclusive of any sales, use, value added tax, service taxes or taxes of a similar nature measured by the services, deliverables or charges thereon, imposed by any applicable taxing jurisdiction and where such taxes are applicable, Manipur State shall be responsible to pay or reimburse the SI the amount of such taxes.Each party shall be responsible for its own income taxes, corporate taxes and franchise taxes. Any increase or decrease in the rate of any taxes or any newly introduced taxes shall be to the account of the Manipur State.	Same as mentioned in the RFP.
95	Section 15 and Page 23, Vol 3 of RFP	Indemnification by the SI & Limitation of Liability	Request the following changes: - (1) Request deletion of all indemnity provisions in this tender barring the third party intellectual property rights infringement indemnity being provided by SI as this is the only indemnity being provided by the SI herein.(2) Request insertion of all standard exceptions and disclaimers to SI's provision of third party intellectual property rights infringement indemnity. All exception and disclaimers are not covered herein.(3) Request that clause 15.3 be carved out as a special clause in the tender document so that it applies to the entire tender.(4) Request modifications to the exceptions to the limitation of liability section such that only third party intellectual property rights infringement indemnity (being provided by either party to the other) and willful default /negligence are the only exceptions to the section.	Same as mentioned in the RFP.

96	Section 16 and Page 25, Vol 3 of RFP	Force Majeure	Request that no liability shall result to the Party affected by the Force Majeure event due to any delay in performance or due to non-performance attributable to any Force Majeure Event. Such excuse and relief to automatically accrue to the affected party once the notice of force majeure has been provided and without the requirement of seeking permission from the other party for such excuse.	Same as mentioned in the RFP.
97	Section 17 and Pages 28, Vol 3 of RFP	Confidentiality	(1) Request insertion of all standard exceptions to the definition of “Confidential Information”. All exceptions have not been covered. (2) Request that the confidentiality provisions survive the termination or expiry of the resultant contract for a period of 2 years thereafter.	Same as mentioned in the RFP.
98	Section 18 and Page 29, Vol 3 of RFP	Audit	Request the following modifications: (1) Request that all audits, inspection, acceptance testing and final certification (as applicable) be conducted against the mutually agreed specifications and parameters and that costs for all the above be to the account of the Manipur State. (2) Items reported as defects that are not deviations from the immediate previous accepted baseline should be reported again through as a change request under the Change Request Management Procedure. Items reported through the Change Request Management Procedure will be dealt with separately as per the established procedure. (3) Request insertion of a standard Deemed Acceptance Clause. (4) Request that all auditors/inspectors/certifiers (as applicable) agree to adhere to SI's confidentiality and security requirements as prescribed and that no competitor of the SI be involved in any such exercise.	Same as mentioned in the RFP.

99	Section 19 and Page 29, Vol 3 of RFP	Intellectual Property Rights	(1) The Limited License being provided to the Manipur State herein by the SI as regards any SI Intellectual Property doesnot include the rights to (a) sell, lease, exchange, mortgage, pledge, license, sub license, assign or in any other way convey, such Preexisting IPR in favour of any person (either forcommercial consideration or not (including by way of transmission)), and/or (b) reverse compile or in any other way arrive at or attempt to arrive at the source code of such IPR.(2) All the Intellectual Property Rights (IPR) in the third party software used in providing services including those forming part of or incorporated into the deliverables shall remain with the respective third party owners/ SI's licensors and ManipurState shall have user rights in accordance with end user license agreement (EULA) as applicable to use of such software.	Same as mentioned in the RFP.
100	Section 20 and Page 30, Vol 3 of RFP	Warranty	Request the following modifications: - (1) Request insertion of all standard warranty exclusions and disclaimers. (2) Please note that all third party software and products will be subject to warranty provisions stipulated by the relevant 3rd party vendor(s) in the relevant End User License Agreements signed in that respect.	Same as mentioned in the RFP.
101	Section 24.4 and Page 35, Vol 3 of RFP	Assignment	Request that either party seek the prior written approval of theother to assign the resultant contract.	Same as mentioned in the RFP.
102	Section 25 and Page 38, Vol 3 of RFP	Disputes and Arbitration	Request deletion of all references to the mediation process. Parties shall endeavor to settle disputes through discussions involvingsenior representatives and in good faith.Request that the arbitrationproceedings be conducted by a three member panel appointed as under: -Each party shall appoint one (1) arbitrator of their choice and the two arbitrators so appointed by the parties shall appoint apresiding arbitrator who shall act as an umpire.	Same as mentioned in the RFP.

103	Schedule 3, Page 49, Vol 3 of RFP	Exit Management	(1) In clause 2 Manipur State to note that all post termination services shall be performed at mutually agreed rates and conditions. (2) In clause 3 Manipur State to note that the SI reserves its discretion to decide which information is relevant and required to be shared as per the requirement. (3) In clause 5 require amendments as we follow a 2 way non-solicitation policy for all its clients.	Same as mentioned in the RFP.
104	Vol 3 of RFP	Request Addition of New Clauses in the Tender Document	There are no specific clauses on the following items in the Tender document. Request that specific clauses with respect to the following be included in the Tender document which can become part of the Contract (to be signed in relation to the current Project) in future: -(1) Manipur State's Indemnity: specific clause delineating the scope of third party intellectual property rights infringement indemnity and general indemnity for loss to person and/or property being provided by the Manipur State to the SI needs to be included in the tender document. (1) Request insertion of a standard excuse clause which holds the SI liable only for delays solely attributable to the SI. (2) Request insertion of an excuse clause which takes into account all standard delays excused while calculating 'uptime'. (4) Non-Solicitation Clause	Same as mentioned in the RFP.
105	RFP Vol-2, Pg-42, Section- 4.2.5	IV. The final details of number of offices for site preparation will be decided after the System and Site Study by the SI.	Request to kindly clarify what is the time frame for conducting such site study? Any list of check points?	The exact details will be arrived at a later stage. No list of check points present at this point in time.
106	RFP Vol-2, Pg-115, Section- 6.6	Copper plate earthing 600 mm x 600 mm X 4 mm and 20 mm X 3 mm copper strip, earthing - neutral voltage < = 5 volts & earth resistance < 2 ohms complete with necessary salt, charcoal etc as required.	Considering the soil conditions, request to consider if we can propose chemical earthing?	Amendment: Chemical Gel Earthing including copper strip, Copper Plate, Chemical Gel, Pipe, installation with pit, optional cabling (upto 20 meters) etc. to provide 0.5Ω earth resistance in worst case at instrument site and 0 to 0.5 Volt AC between earth and neutral in all season throughout the year.

107	Section 6.6, Site Preparation, Page no: 114 Vol 2 of RFP	Information Needed	Please state the Number of LAN. Please state Electrical power points per office?	Approximately 2000 nos. each for LAN and Electrical Power Point overall across all the offices at Manipur. Exact numbers will be derived once the System Level Study is conducted by SI.
108	Manipur-e-district-vol-ii, Serial no. 6.7, Non-Functional Requirements, "Security Requirements"	Encryption Confidentiality of sensitive information and data of users and portal information should be ensured.	Data Confidentiality is a major part of this RFP and it is clearly mentioned in the RFP at many places (check Reference column). Confidentiality will be achieved using Encryption. Encryption means involvement of Cryptographic keys and security of these keys should be paramount. Still there is no inclusion of Hardware based encryption in the tender. Not having hardware crypto modules, will make the solution weaker and will make the data vulnerable to attack. Also it will impact the performance of the servers which can create a bottleneck i.e. availability of the services will also be affected.	Amendment: Bidders are advised to include and provide additional security feature at the hardware level at SDC for enhancing the Encryption Confidentiality of sensitive information and data of users and portal information. This is required to be achieved by deploying a hardware based data encryption device at Manipur SDC. The Quantity and Minimum Specifications and compliance required for the device to be proposed are provided at Point No: 8, Page No: 37 as part of the corrigendum document.
109	Manipur-e-district-vol-ii, Serial no. 4.2.11, Others , "Information Security Management "	Security of Application and the data contained therein is paramount for the success of this Project. Hence, the selected Bidder should take adequate security measures to ensure confidentiality, integrity and availability of the information.	Data Integrity is also mentioned at many places in the RFP and it is also important for secured architecture. But again Data integrity is being achieved using Digital Signing (mentioned in the RFP). Security of the digital certificates (keys) is very important and for this CCA guidelines mandates the use of FIPS certified hardware's. But there has not been any FIPS certified Hardware modules, mentioned in the RFP which makes the Digital signing keys vulnerable to attack. Software based digital signing will make the solution non-compliant to CCA guidelines.	Amendment: Bidders are advised to include and provide additional security feature at the hardware level at SDC for enhancing the Encryption Confidentiality of sensitive information and data of users and portal information. This is required to be achieved by deploying a hardware based data encryption device at Manipur SDC. The Quantity and Minimum Specifications required to be proposed are provided at Point No: 8, Page No: 37 as part of the corrigendum document.
110	Pg 20 Vol I of RFP	The responding firm should be minimum CMMi Level 3.	We will procure the CMM level 3 certificate exclusively for the Manipur System Integrator project during the project. Request you to Please consider.	Same as specified in the RFP.

111	Pg 72 Vol II of RFP	Template for Data Entry (Approximately 50,00,000 Records)	Request you to provide sample extracts for all digitization documents(eg. family register for pension)and the average number of pages per record to arrive at the correct data digitization rate	Please use the following nomenclature of defining rates per unit. A) Cost of scanning - Legal Size per page, B) Cost of scanning - A4 Size per page, C) Cost of Data Entry - per 1024 KB data
112	Pg 72 Vol II of RFP	Template for Data Entry (Approximately 50,00,000 Records)	Is the template for data entry to be submitted along with the bid, pl clarify	No
113	Pg 49 Vol II of RFP	The project would require provisioning of dedicated manpower to provide support during the roll out process.	It is mentioned that 5 helpdesk executives and are to be located in Imphal during the roll out phase, 1. The seating space and other required infrastructure for the executives would be provided by the MSITS, please confirm? 2. After the rollout is complete the helpdesk can be located anywhere in India. please confirm? 3. The 9 district technical support staff may be located anywhere in India. Please confirm?	1. MSITS will provide the seating space for the helpdesk executives. 2. The helpdesk for the duration of the entire project has to be based out of Manipur. 3. The Technical Staff need to be located in Manipur.
114	Pg 31, Vol I of RFP	The bidders should quote for the whole set of services (25 services + 10 Services) indicating total price for all the deliverables and services specified in Annexure II Form 2. Bidder shall also provide cost break-up as per Annexure II Form 2.a format.	What are the thirty five services, pl specify	Already provided on Page No 23 of Vol 2 of RFP.
115	Pg 67, Vol II of RFP	SI shall put together a team of domain experts with a minimum of 10 years of experience in the State Departments who will work on this project on a full time basis during the entire duration of the project.	Our domain experts have been working with the central governments for nearly two decades on various turnkey and green field projects. They have also been liasoning with various state governments on for these projects. Please confirm if this would suffice?	Same as specified in the RFP.
116	Pg 21, Vol II of RFP	Trainings to be provided to the departmental officials at different stages of the project, procurement.	Will the training premises and related infrastructure be provided by the MSITS.Please confirm?	MSITS will be providing the training premises for conducting the training.

Additional Points for Bidders' Consideration

1. Additional Localisation Requirement for the Application

To realize this vision, 31 Central, State and Integrated Mission Mode projects (MMPs) along with 8 support components were identified and approved under NeGP. NeGP also envisages creation of the core IT infrastructure in the form of SWANs, SDCs and one lakh front ends namely CSCs in rural areas across the country to deliver public services electronically in the local language.

To realize this objective, the bidders are requested to carefully study and incorporate the following while designing the solution pertaining the RFP No. 34/1/2011-MSITS (Pt-1) dated 8/05/2013;

- ✓ The selected Bidder shall perform detailed assessment of the functional requirements (including localization framework) and MIS requirements and prepare a new FRS report, as part of the System Study document incorporating list of additional features that shall result in further improvement in the overall application performance for consideration of the local language.
- ✓ The overall technology solution shall be based upon most relevant and suitable architecture standards including standards for Service Oriented Architecture (SOA), XML services & necessary protocols for internet applications, Data Center standards, Localization (Unicode, Inscript, etc.) standards, W3C standards & GIGW guidelines, etc.
- ✓ Database architecture, including defining data structure, data dictionary as per requirements of data storage in English and the local language with compliance to standards defined by DeitY, Govt
- ✓ Compliance to latest Unicode standard (current version is 6.0) for local language content/data encoding is also mandatory
- ✓ Integration of existing applications being used in the state shall not be possible unless the legacy data in the local language is compliant to Unicode version 6.0 or above. In some cases, this legacy data therefore will need to be converted to Unicode 6.0 (or latest version)
- ✓ Integration across state shall be enabled, through mandatory adherence to technical Specifications, e-Governance and localization standards
- ✓ Digitization of data in English and the local language
- ✓ The agencies undertaking the digitization work may need to be trained on local language data entry through use of applications/tools that have full compliance to the latest Unicode (version 6.0 or above) for character encoding and use of enhanced Inscript keyboard layout
- ✓ Data Entry through Web Portal & related:

The user should be given a choice to interact with the system in local language in addition to English. The application should provision for uniform user experience across the multilingual functionality covering following aspects:

- Front end web portal in local language
- E-forms (Labels & Data entry in local languages). Data entry should be provided preferably using the Enhanced Inscript standard (based on Unicode version 6.0 or later) keyboard layout with option for floating keyboard.
- Storage of entered data in local language using UNICODE (version 6.0 or later) encoding standard.
- Retrieval & display in local language across all user interfaces, forms and reports with all browsers compliant with Unicode version 6.0 and above.
- Facility for bilingual printing (English and the local language)
- Sakal Bharti font (compliant to UNICODE version 6.0) to be used for local language data and content. Latest version of the font is available on www.ildc.in

2. Resources for Support to the project:

2.1. Education Qualification & relevant work experience

Sl. No.	Proposed Position	Indicative Minimum Qualification
1	State Level Project Manager	– BE/B-Tech with MBA / MCA with PMP or similar certification – Minimum 10 years of experience in managing similar kinds of projects – Having experience of managing a work force of more than 100 people over a period minimum 3 years – Languages known must – English, Hindi
2	System Administrator	– B. E. / B. Tech / MCA – Relevant Certifications like RHCE, LPIC, etc. – Min Work Exp. – 4 years in similar capacity
3	Network Administrator	– B. E. / B. Tech /MCA – Relevant Certifications like CCNA, CCNP, etc. – Min Work Exp. – 4 years in similar capacity
4	Database Administrator	– B. E. / B. Tech / MCA – Working knowledge of database configuration / administration on open source platform – Min Work Exp. – 4 years
5	Change Management expert on capacity building	– MBA (HR/Personnel) – Experience in designing , conducting, and evaluating large scale Training program of not less than 1000 Participants for multiple locations . – Minimum Work Exp. – 4 years
6	District Manager for each DHQ	– Graduate in any discipline with working knowledge of computer – Minimum working experience of 2 years in IT field – Knowledge of computer operations
7	District Technical Support staff	– 10 + 2 and Diploma in IT – Minimum of One year of working experience in IT field.

Note: The above manpower requirement is minimum and indicative. However, it will be vendor's obligation to augment manpower to ensure e-District functionality along with its components. Vendor shall provide for the increased need of increased manpower requirement whenever size of the network is increased for any reasons. For all position - reading and writing skill in: English, Hindi.

3. Summarized list of the amendments to the RFP No. 34/1/2011-MSITS (Pt-1) dated 8/05/2013 as already mentioned above:

Reference No & Page	Content of RFP requiring Clarification(s)	Points of clarification	Amendment
Manipur-e-district vol 2 -	Blade can be half / full height	Request considering	Bidders who would like to

- Section 6.5, Page 76/78/80/82/84 -- web server/application server/database server/Backup server/EMS server - HDD	with I/O connectivity to backplane	redundant I/O bays for better availability & to consider 8 I/O Bays in the chassis (including 4 high speed I/O bays)	propose Blade Servers, the minimum specifications for Blade Servers and Blade Enclosure is provided at Point No: 6, Page No:35 of the Corrigendum Document.
None in tender doc - Chassis	No Chassis specifications	Request to mention the specs for Chassis to ensure proper redundancy for I/O & Power. Also request to specify number of blade bays to be offered as 14 full height or 16 half height (to ensure scalability/ investment protection for future)	Chassis Specification is provided at Point No: 6, Page No: 34 of the Corrigendum Document.
Manipur-e-district vol 2 - - Section 6.5, Architecture - Page 108 and Page 109	c) Should have minimum of 256MB of RAM and 32 MB of Flash Memory.	For better performance, it is recommended to have minimum 512MB RAM and 64 MB Flash. Request to kindly consider the same.	Should have minimum of 512MB of RAM and 64 MB of Flash Memory.
Manipur-e-district vol 2 - - Section 6.5, Performance - Page 109	a) Should support high performance traffic forwarding with concurrent features like Security, Voice enabled.	Voice is not supported on Routers by all OEM's, hence request to kindly consider voice traffic in place for voice enabled and allow all leading OEM's to participate.	Should support high performance traffic forwarding with concurrent features like Security, Voice traffic etc.
Manipur-e-district vol 2 - - Section 6.5, Page 90(Desktops specs)	250-watt 450 watt ATX Power Supply – 92% PFC (Active Power Factor Correction (PFC) power supply). Surge protected.	It should be 240Watt only with 90% power efficiency supported by Gold Epeat certification. There is no 92% power efficiency, 90% is the highest score. Gold Epeat certification means that the product really meets these criteria.	240 watt with ATX Power Supply of 90% Active power factor and surge protection

Manipur-e-district vol 2 - - Section 6.5, Page 76/78/80/82/84 -- web server/ application server/ database server/ Backup server/ EMS server - Processor	4 MB shared L2 cache	L2 cache is very old technology and request to make the same as atleast 10mb L3 cache	Minimum of 2.4 GHz, 10MB L3 cache, 8GT/s, 1066Mhz FSB, Quad core
Manipur-e-district vol 2 - - Section 6.5, Page 76/78/80/82/84 -- web server/application server/database server/ Backup server/EMS server -RAM	Min 32 GB FBD RAM	Request to rename the same as 32 GB DDR3 RAM	Minimum 32 GB DDR3 RAM
Web Server (Page 76), Application server (Page 78), Database server (Page 80), Backup server (Page 82), EMS server (Page 83)	2.2Ghz or above 4MB shared L2 cache, 1066MHz / 2000MT/s FSB. Processor should be latest series / generation for the server model being quoted.	Required CPU is now EOL. Proposed to change this as follows: E5-2609, 10M L3 cache, 8GT/s, 1066Mhz FSB, Quad core.	Minimum of 2.4 GHz, 10MB L3 cache, 8GT/s, 1066Mhz FSB, Quad core
6.5 – Form B, page 76, 82, 83, 85 Web Server, Application Server, Database Server, Backup Server, EMS server.	2.2 GHz or above with 4 MB shared L2 cache, 1066 MHz / 2000 MT/s FSB Processor should be latest series/ generation for the server model being quoted.	Normally L3 cache is shared. Please change L2 cache to L3 cache.	Minimum of 2.4 GHz, 10MB L3 cache, 8GT/s, 1066Mhz FSB, Quad core
Section 6.5, Vol 2 of RFP, Management - Page 114	c) Shall support Out of band management through Console and external modem for remote management.	Different OEM's have different management options, hence request to kindly remove external modem for remote management.	Shall support out of band management through console and other suitable solution for remote management.
RFP Vol 2 Page No 31 Section Offline Capability	The Offline capability should be developed only for those locations where there is acute shortage of electricity or connectivity.	Kindly share the details of such location where offline connectivity is required	The Offline solution is meant for all locations.
Vol II Page 90 (Desktop specs)	Memory 2GB upgradable to 16GB , 2 DIMM Slots	It should be with 4DIMM slots, 2 DIMM slots does not support 16GB In Desktops	Memory 2GB upgradable to 16GB , 4 DIMM Slots
Point no 5, Section 6.5, Page no: 98, Vol 2 of RFP	160 VAC – 300 VAC @ 100% Load, 110 VAC – 300 VAC @ 50% Load	160 VAC – 280 VAC @ 100% Load, 110 VAC – 280 VAC @ 50% Load	160 VAC – 280 VAC @ 100% Load, 110 VAC – 280 VAC @ 50% Load

Point no 4, Section 6.5, Page no: 101, Vol 2 of RFP	5.The UPS should be compatible for single and three phase input supply.	Single in single out	The UPS should be compatible for single in single out Supply.
RFP Vol-2, Pg-115, Section- 6.6	Copper plate earthing 600 mm x600 mm X 4 mm and 20 mm X 3 mm copper strip, earthing - neutral voltage < = 5 volts & earth resistance < 2 ohms complete with necessary salt, charcoal etc as required.	Considering the soil conditions, request to consider if we can propose chemical earthing?	Chemical Gel Earthing including copper strip, Copper Plate, Chemical Gel, Pipe, installation with pit, optional cabling (upto 20 meters) etc. to provide 0.5Ω earth resistance in worst case at instrument site and 0 to 0.5 Volt AC between earth and neutral in all season throughout the year.
manipur E-District vol-1.pdf - Schedule of Bid process Page-6	Last date, Time and Place (deadline) for submission of Technical bids - 5 PM on 13th June 2013	Request to kindly extend the submission date atleast by 3 Weeks after the publication of Pre-Bid	Revised Dates for Submission of Technical & Financial Bids and further proceedings are mentioned at Point No: 7, Page No: 36 of the corrigendum document.
Manipur-e-district-vol-ii, Serial no. 6.7, Non-Functional Requirements, "Security Requirements"	Encryption Confidentiality of sensitive information and data of users and portal information should be ensured.	Data Confidentiality is a major part of this RFP and it is clearly mentioned in the RFP at many places (check Reference column). Confidentiality will be achieved using Encryption. Encryption means involvement of Cryptographic keys and security of these keys should be paramount. Still there is no inclusion of Hardware based encryption in the tender. Not having hardware crypto modules, will make the solution weaker and will make the data vulnerable to attack. Also it will impact the performance of the servers which can create	Bidders are advised to include and provide additional security feature at the hardware level at SDC for enhancing the Encryption Confidentiality of sensitive information and data of users and portal information. This is required to be achieved by deploying a hardware based data encryption device at Manipur SDC. The Quantity and Minimum Specifications and compliance required for the device to be proposed are provided at Point No: 8, Page No: 37 as part of the corrigendum document.

		a bottleneck i.e. availability of the services will also be affected.	
Manipur-e-district-vol-ii, Serial no. 4.2.11, Others , “Information Security Management ”	Security of Application and the data contained therein is paramount for the success of this Project. Hence, the selected Bidder should take adequate security measures to ensure confidentiality, integrity and availability of the information.	Data Integrity is also mentioned at many places in the RFP and it is also important for secured architecture. But again Data integrity is being achieved using Digital Signing (mentioned in the RFP). Security of the digital certificates (keys) is very important and for this CCA guidelines mandates the use of FIPS certified hardware’s. But there has not been any FIPS certified Hardware modules, mentioned in the RFP which makes the Digital signing keys vulnerable to attack. Software based digital signing will make the solution non-compliant to CCA guidelines.	Bidders are advised to include and provide additional security feature at the hardware level at SDC for enhancing the Encryption Confidentiality of sensitive information and data of users and portal information. This is required to be achieved by deploying a hardware based data encryption device at Manipur SDC. The Quantity and Minimum Specifications required to be proposed are provided at Point No: 8, Page No: 37 as part of the corrigendum document.

4. Details of make/model of hardware existing in the State Data Center:

Sl. No	Component	Make/Model
1	Back Up Software	IBM TIVOLI
2	MAIL SECURITY	DELL 8380
3	Web Gateway	DELL 8450
4	Switch	Cisco 4510R-E
5	LAN Switch	Catalyst 3560

6	Internet Router	Cisco 2911
7	Internet Firewall	ASA 5550
8	Intrusion Prevention System	IPS 4260
9	IP KVM	KVM 2124V
10	Storage Sub System - SAN Storage -Tape library	IBM TS3310
11	SAN Switch	Cisco MDS 9134 FC Switch
12	Storage Sub System, Disk Storage System	IBM DS5100 (expandable upto 960 TB) Scalable upto 448 drives using EXP5000 enclosure and upto 960Tb of high density storage with EXP5060 enclosure)
13	Storage Sub System - Virtualization engine	IBM X3250

5. List of the services in the State Service Delivery Gateway:

Sl. No	SERVICE NAME
[1]	Department of Consumer Affairs, Food and Public Distribution
1	Application for Issue of New Ration Card
2	Application for Change of Name in Ration Card
3	Application for the Addition of name in the Ration card
4	Application for Deletion of name in the Ration card
5	Application for Duplicate Ration card grant/renewal
6	Application from the citizen for Inclusion under AAY, AP, etc.
7	Issuance of Certificate for Inclusion under different schemes
[2]	Employment Exchange
1	Registration in Employment Exchange
2	Renewal of Registration
3	Transfer of Registration
4	Repeat Registration
5	Updating Qualification, Experience
6	Cancellation of Registration
7	Submission of Application against Vacancy
[3]	Registration Office (Revenue Department)
1	Application for Registration under Hindu Marriage Act
2	Application for Registration of Marriage celebrated (Form V)- Special Marriage Act
3	Application for Notice of Intended Marriage (Special Marriage Act)
4	Application for Issue of Non Encumbrance Certificate
5	Application for Issue of Certified/True Copy of registered Deeds

[4]	Settlement and Land Records
1	Application for Certified Copy of RoR
[5]	Election Department
1	FORM 6, Application for inclusion of name in Electoral Roll for Indian citizens
2	FORM 6A, Application for inclusion of name in Electoral Roll for NRIs
3	FORM 7, Application for Exclusion / Deletion of name from Electoral Roll
4	FORM 8, Application for correction to particulars in Electoral Roll
5	FORM 8A, Application for transposition of electors within an Assembly Constituency
[6]	Revenue Department
1	Application for Mutation of Land Record
2	Application for Partition of Land Holding(s)
3	Application for Valuation or Ownership of Land Record(s)
4	Application for Certified Copy of Records of Rights(RoR)
5	Application for Issue of Certified/True Copy of registered Deeds.
[7]	Social Welfare
1	Application for Balika Samridhi Yojna (BSY)
2	Application for Providing Financial Assistance to School going Dependent Children
3	Application for National Social Assistance Programme (NSAP) - Indira Gandhi National Widow Pension Scheme
4	Application for National Social Assistance Programme (NSAP) - Indira Gandhi National Disability Pension Scheme
5	Application for Registration for Unemployment Allowances to person with disabilities
6	Application for National Social Assistance Programme (NSAP) - Indira Gandhi National Old Age Pension Scheme
7	Application for National Social Assistance Programme (NSAP) - National Family Benefit Scheme (NFBS)
8	Application for Registration for pension under Manipur Old Age Pension Scheme
9	Application for Financial assistance to poor and needy widow
10	Application form for Scholarship of the Disabled students for Fresh or Renewal

6. Specifications for Blade Enclosure, Blade Server for Database & Blade Server for Application, Web, etc.

6.1 SPECIFICATION OF BLADE ENCLOSURE

Feature	Specifications
Form Factor	Latest generation up-to 10 U Form factor per enclosure with all redundancy features (Hard Drives, Power, and Cable Management). The requisite number of Enclosures to be configured to populate the Servers and Storage/Expansion Units. The blade enclosure should support Intel/AMD and RISC/EPIC

Blade Bays	Blade Chassis to accommodate minimum of 14 hot pluggable blade servers with SAS HDDs.
enclosure Feature	▪ Backplane should be completely passive device. If it is active, dual backplane should be provided for redundancy ▪ Single console for all blades in the enclosure or KVM Module ▪ DVD ROM can be internal or external or virtual, which can be shared by all the blades allowing remote installation of S/W and OS ▪ Minimum 2 external USB connections functionality
Ethernet Switch Modules	Two hot-plug, redundant 1Gbps Ethernet switch module which enable connectivity to Ethernet via switch with minimum 4 uplink ports per switch.
SAN Switch	Two hot-plugs, redundant 4/8 Gbps Fiber Channel switch for connectivity to the storage device. Minimum 4 uplink ports populated with SFP and cables per switch. All connectivity licenses should be integrated.
Redundancy	Mechanical Devices such as Hard Disks, Fans and Power Units should be completely Hot Swappable and Redundant to ensure High Availability
Blade Management	▪ Systems Management and deployment tools to aid in Blade Server configuration and OS deployment, ▪ Remote management capabilities through internet browser ▪ Blade enclosure should have provision to connect to display console / central console for local management like trouble shooting, configuration, system status / health display
Power	▪ Hot Swap redundant power supplies to be provided ▪ Power supplies should have N+1 and N+N. All Power Supplies modules should be populated in the chassis/enclosure
KVM	To be enabled Virtually over IP for Remote Access or Provided Locally.

6.2 SPECIFICATION OF BLADE SERVER FOR DATABASE SERVERS

Features	Specifications Required
CPU	Two numbers X86 based Processor. Processor Core Per CPU should be Minimum Six. The Frequency should be minimum 2.4 GHz. Processor should be latest series/generation for the server model being quoted
Chipset	Suitable Processor OEM motherboard/chipset
Memory	128 GB ECC DDR3-SDRAM DIMMs
Memory Expandability	Minimum 256 GB
Controllers	Integrated SAS Raid Controller with RAID 0, 1
Bays	Dual 2.5" SAS Hard Disk bays

Features	Specifications Required
Hard Disk Drives	Two 300 GB 2.5" SAS Hard Disk Drive hot swappable system disk with mirroring using integrated RAID 0,1 on internal disks
Ethernet Adapter	Dual Port 1000BASE-T Gigabit Ethernet Adapter
SAN Connectivity	Redundant 4/8 Gbps Fiber Channel HBA Port
I/O Expansions	Minimum two PCI slots
Power Supply	From the Blade Chassis
System Management and Diagnostics	System management via remote management port. Virtual KVM and Remote CDROM drive mapping functionality should be included.
Software	Server Management software with the device drivers
OS Compatibility	Microsoft Windows Server latest version Standard and datacenter Edition (32 bit and 64 bit) Red Hat Enterprise Linux latest version (32 bit and 64 bit) SUSE LINUX Enterprise Server latest version (32 bit and 64 bit) SUSE LINUX Enterprise Server latest version (32 bit and 64 bit)
Warranty	year comprehensive warranty

6.3 SPECIFICATION OF BLADE SERVER FOR APPLICATION, WEB, DIRECTORY ETC.

Features	Specifications Required
CPU	Two numbers X86 based Processor. Processor Core Per CPU should be Minimum Six. The Frequency should be minimum 2.4 GHz. Processor should be latest series/generation for the server model being quoted
Chipset	Suitable Processor OEM motherboard/chipset
Memory	64 GB ECC DDR3-SDRAM DIMMs
Memory Expandability	Minimum 128 GB
Controllers	Integrated SAS Raid Controller with RAID 0, 1
Bays	Dual 2.5" SAS Hard Disk bays
Hard Disk Drives	Two 300 GB 2.5" SAS Hard Disk Drive hot swappable system disk with mirroring using integrated RAID 0,1 on internal disks
Ethernet Adapter	Dual Port 1000BASE-T Gigabit Ethernet Adapter
SAN Connectivity	Redundant 4/8 Gbps Fiber Channel HBA Port (as per the connectivity requirement)
I/O Expansions	Minimum two PCI slots
Power Supply	From the Blade Chassis
System Management and Diagnostics	System management via remote management port. Virtual KVM and Remote CDROM drive mapping functionality should be included.
Software	Server Management software with the device drivers

Features	Specifications Required
OS Compatibility	Microsoft Windows Server latest version Standard and datacenter Edition (32 bit and 64 bit) Red Hat Enterprise Linux latest version (32 bit and 64 bit) SUSE LINUX Enterprise Server latest version (32 bit and 64 bit) SUSE LINUX Enterprise Server latest version (32 bit and 64 bit)
Warranty	5 year comprehensive warranty

7. Revised Timelines for Submission of Proposal, Financial Opening etc.

S. No	Information	Details
1.	Last date, Time and Place (deadline) for submission of Technical bids	<i>5:00 PM on 20th June, 2013</i> <i>Shri Nambam Deben</i> <i>Member Secretary, MSITS</i> <i>Manipur State IT Society, 4th Floor,</i> <i>Western Block, New Secretariat,</i> <i>Imphal West – 795001</i>
2.	Technical Presentation by the Bidders	<i>21st June, 2013 from 11:00 AM</i> <i>At Secretariat, Manipur (Slots will be provided on the same day)</i>
3.	Place, Time and Date of submission of Financial proposals received in response to the RFP notice	<i>5:00 PM on 20th June, 2013</i> <i>Shri Nambam Deben</i> <i>Member Secretary, MSITS</i> <i>Manipur State IT Society, 4th Floor,</i> <i>Western Block, New Secretariat,</i> <i>Imphal West – 795001</i>
4.	Opening of Financial Proposals	<i>2:00 PM on 4rd July, 2013</i>
5.	Notification to Selected SI	<i>11th July, 2013 (tentative)</i>

8. Additional Bill of Material (Infrastructure at SDC)

All specifications provided are minimum specifications required as part of the proposed device. This device is to be proposed in addition to the infrastructure components required as part of Infrastructure at SDC, Manipur which is part of Clause 6.5, Form B, Page 75, Volume 2 of RFP.

Sl. No	Description of Item	Quantity
1.	Hardware based data encryption device	1

Details:**Hardware Based Data Encryption Device:**

S. No.	Features	Specifications	Specifications offered	Compliance (Yes/No)	Deviations, if any
1	Make	Must be specified.		NA	
2	Model	Must be specified. All the relevant product brochures and manuals must be submitted.		NA	
3	Performance	More than 100000 TPS less than 100 microseconds latency.			
4	Security Algorithms	3DES, DES, AES, RSA (signatures and encryption), RC4, SHA-1, HMACSHA-1			
5	Asymmetric key sizes	512, 1024, 2048			
6	Symmetric key sizes	40, 56, 128, 168, 192, 256			
7	Certificate Management	Multiple certificates, built-in certificate authority,			

S. No.	Features	Specifications	Specifications offered	Compliance (Yes / No)	Deviations, if any
		revocation list (CRL)			
8	System Administration	Secure Web-based GUI, secure shell (SSH), console			
9	Web Application and server	BEA, IBM, IIS, Oracle, Apache, Sun, Jboss etc.			
10	Supported databases	IBM DB2, Microsoft SQL Server, Oracle and Teradata			
11	Form Factor	1U and above, Rack Mountable			