

Expression of Interest (EOI)
For
Setting up of a Commercial Data Centre using existing floor
Space and Infrastructures of the Manipur SDC.



**Department of Information Technology, Government of Manipur
New Secretariat, 4th Floor, Western Block, Imphal West -795001
Website: www.ditmanipur.gov.in, email ID: dit-mn@nic.in**

1. Introduction

The **Expression of Interest (EOI)** document contains statements derived from information that is believed to be true and reliable at the date obtained but does not purport to provide all of the information that may be necessary or desirable to enable an intending contracting party to determine whether or not to enter in to a contractor arrangement with Department Information Technology (DIT) in relation to the provision of services. Neither DIT nor any of its officers, employees, agents, representative, contractors, or advisers give any representation or warranty (whether oral or written), express or implied as to the accuracy, updating or completeness of any writings, information or statement given or made in this EOI document.

1.2 Disclaimer

Subject to any law of the country, and to the maximum extent permitted by law, DIT and its officers, employees, contractors, agents, and advisers disclaim all liability from any loss or damage (whether foreseeable or not) suffered by any person acting on or refraining from acting because of any information, including forecasts, statements, estimates, or projections contained in this EOI document or conduct ancillary to it whether or not the loss or damage arises in connection with any negligence, omission, default, lack of care or misrepresentation on the part of DIT or any of its officers, employees, contractors, agents, or advisers.

1.3 Costs Borne by Respondents

All costs and expenses incurred by Recipients/Respondents in any way associated with the development, preparation and submission of responses, including but not limited to attendance at meetings, discussions, demonstrations, etc. and providing any additional information required by DIT, will be borne entirely and exclusively by the Recipient/Respondent.

1.4 No Legal Relationship

No binding legal relationship will exist between any of the Recipients/Respondents and DIT until execution of a contractual agreement.

1.5 Recipient Obligation to Inform Itself

The Recipient must conduct its own investigation and analysis regarding any information Contained in the EOI document and the meaning and impact of that information.

1. ESSENTIAL INFORMATION:

Sl.	Particulars	Details
1.	Document Reference Number	15/3/2010-DIT(Vol-I)
2.	Notice Inviting EOI	Date of Notice Inviting the EOI.
3.	Last Date and Time of Receiving of Queries	29 th June, 2018 at 1:00 PM
4.	Last date of the submission of EOI	10 th July, 2018 at 1:00 PM
5.	Opening of EOI	13 th July, 2018 at 1:00 PM
6.	Bidders Presentation	On the Next day of EOI opening date at 3:00pm (IST)
7.	Portal for EOI Information	www.manipur.gov.in , www.ditmanipur.gov.in
8.	Office Address of DIT, MANIPUR	4 th Floor, Western Block, New Secretariat Building, Imphal - 795001
9.	Nodal Contact Person	Shri N. Ashakiran Singh, Informatics Officer - Department of Information Technology
10.	Validity of the Proposal given by The bidders	60 days.
11.	Legal Jurisdiction	High Court of Manipur, Imphal
12.	Right to Accept or Reject the Proposal will be with	DIT, MANIPUR

3. INVITATION FOR PROPOSAL

1. Background

State Data Centre (SDC) is one of the core infrastructure components under National e-Governance Plan (NeGP) to consolidate services, applications and infrastructure to provide efficient electronic delivery of G2G, G2C and G2B services. Manipur State Data Centre (MSDC) was set up in Ground Floor, West Block New Secretariat Building Imphal to act as a central repository of all data and applications/websites for the entire Government of Manipur.

Manipur SDC server room has 1435 sqft space and forty one 41 (forty one) nos. of 32U racks are installed at the Manipur SDC. Manipur SDC has redundant power supply, 4 (four) Nos. of 160KVA Diesel Generators (DG) sets are being used to provide power backup and has dedicated 250 KVA line power supply. To provide cooling facility in the Manipur SDC Server room 4 (four) nos. 17 TR double compressors Precision Air Conditioning (PACs) are using in the Server room.

Further, Manipur SDC is using 4 (four) nos. of 120KVA Uninterrupted Power Supply (UPS) for uninterrupted power supply to Server hall and two (2) nos. of UPS are used for the purpose of uninterrupted lighting system in the Manipur SDC. Manipur SDC has its own Building Management System (BMS) including Lighting control system, Visitor management system, Security system, Life safety and fire system and Rodent Repellent system etc.

Expression of Interest (EOI) is hereby invited from interested firms/vendors to express their interest and suggestions for selection of Data Centre Operator (DCO) to set up and operation and maintenance of a commercial Data Centre using the existing space and infrastructures available at the Manipur SDC. The intended firm/vendors should have proven track record of setting up, operation and Maintenance of Data Centre.

2. Scope of Work

2.1. Maintenance and Operation of Manipur State Data Centre :

The DCO will Operate and Maintain the Manipur SDC at no cost to the Government of Manipur. The DCO can set up its own commercial Data Centre within the Manipur SDC by using/utilizing the existing Infrastructure on 'as is where is' basis and part of existing Server Hall area.

The DCO will reserve 10% of the rack space for DIT, Manipur at free of cost for hosting of applications/websites of Government Department and agencies. The DCO will pay one time royalty to the DIT, Manipur on annual basis and it will be considered as a parameter for financial bid when evaluating the tender for selection of DCO.

The Commercial Data Centre should follow ITIL framework. The DCO will provide sufficient manpower for Operation and Maintenance of the Manipur SDC in 24x7 mode. The DCO will setup its own Servers, Firewall and Connectivity etc. for the purpose of setting up Commercial Data Centre and will be segregated logically from the existing IT infrastructure of Government of Manipur.

The DCO will sign a lease contract for a period of 3 years for utilising the existing floor space and infrastructures of the Manipur SDC.. The details of the existing infrastructures are at section 8 "List of existing infrastructures in Manipur SDC". The DCO will be responsible for arranging/extending comprehensive contract for all the infrastructures from respective

OEMs/ or from any other Private vendor/firm offering Annual Maintenance Contract (AMC) for infrastructures for maintenance and support. Cost to be incurred will be borne by the DCO.

The DCO will be responsible for replacement/upgrading of any faulty parts with due approval of the Departmental Operation & Maintenance Committee. The DCO will also keep spare part in stock. The DCO will be responsible for maintaining/extending the Annual maintenance contract (AMC) of the entire existing infrastructure components at no extra cost to the Department of IT.

The DCO will provide 24x7x365 operating and maintaining services for a period of 3 years from the date of commencement of Operations and Maintenance Activity by the selected bidder. The scope of the services for overall Physical and IT infrastructure management of the Manipur SDC should follow ITIL framework during the contract period, it include 365x24x7 Monitoring, Maintenance and Management of the entire MSDC, along with providing Helpdesk services.

2.2 System Administration, Maintenance and Management Services:

The objective of this service is to support and maintain all the Systems and Servers installed in the Manipur SDC, and will include:

- i. 24x7x365 monitoring and management of the servers.
- ii. Operating System administration, including, but not limited to management of users, processes, preventive maintenance and management of servers including updates and patches to ensure that the system is properly updated. Bidder should include the cost for 2 years updates, and patches for the components.
- iii. Installation and Re-installation of the server hardware in the event of system crash/failures.
- iv. Regular analysis of events and logs generated in all the sub-systems including but not limited to servers, operating systems, security devices, etc. to identify vulnerabilities. Action shall be taken in accordance with the results of the log analysis.
- v. Adoption of policies as defined by the state government.
- vi. Provide integration and user support on all supported servers and data storage systems.
- vii. Troubleshoot problems with web services, services, applications software, desktop/server relationship issues and overall aspects of a server environment.
- viii. Manage and monitor server configuration, performance, and activity of all servers.
- ix. Hardening servers, in line with security policies.

2.3 Network Management

The objective of this service is to ensure continuous operation and upkeep of the LAN & WAN infrastructure at the Manipur SDC including all active and passive components. The scope excludes maintenance of WAN links which shall be the responsibility of SWAN Implementation Agency. However, for overall functioning of the Manipur State Data Centre, the selected bidder shall be responsible to coordinate with SWAN team for WAN link related issues.

The services to be provided for Network Management include:

- i. Ensuring that the network is available 365x24x7.
- ii. Attending to and resolving network failures and issues.
- iii. Support and maintain the overall network infrastructure including but not limited to LAN passive components, routers, switches etc.
- iv. Configuration and backup of network devices/ equipment including documentation of all configurations.
- v. 365x24x7 monitoring of the network to spot the problems immediately.
- vi. Provide information on performance of Ethernet segments, including capacity utilization and error statistics for the segment and the top-contributing hosts, WAN links and routers.

2.4. Storage Administration and Management Services

The DCO shall be responsible for the management of the storage solution and shall provide the following services:

- i. Identify key resources in the Storage solution
- ii. Identify interconnects between key resources in the Storage solution
- iii. Receive asynchronous notification that the configuration of the Storage solution has changed
- iv. Identify the health of key resources in the Storage solution.
- v. Identify the available performance of interconnects in the Storage solution
- vi. Receive asynchronous notification that the performance of the Storage interconnect solution has changed.
- vii. Identify the zones being enforced in the Storage solution.
- viii. Create/delete and enable/disable zones in the Storage solution
- ix. Identify the storage volumes in the Storage solution.
- x. Create/delete/modify storage volumes in the Storage solution.
- xi. Identify the connectivity and access rights to Storage Volumes in the Storage solution.
- xii. Create/delete and enable/disable connectivity and access rights to Storage Volumes in the Storage solution.
- xiii. Storage administrations – facilitate in connecting to the Storage later and give them access rights as required.

2.5 Physical Security Services

The objective of this service is to provide a physically secure environment through the presence of physical security guards. This service includes:

- a. Monitoring bonfire personnel enter the Data Centre.
- b. Frisk bags of personnel entering the Data Centre to ensure that it does not contain any item/device which can be used to breach information security at the Data Centre.
- c. Ensuring security personnel are well versed with ISO27001 requirements of physical security. Primary checking by various equipment (responsibility of The bidder) such as metal detector, CCTV camera etc.

2.6 Database Management

- i. The DCO will make use of OEM as well as performance and monitoring tools to monitor and manage database.
- ii. The DCO will undertake tasks of managing changes to database schema, disk space, storage, user roles.

- iii. The DCO will periodically perform configuration check stop rove define tuning inputs to SDC with respect to performance and proactive identification of potential problems
- iv. The DCO will provide performance monitoring and tuning of the databases on a regular basis as well as proactive health check-up.
- v. The DCO will manage database update or patch up date as and when required with planned minimal downtime and also conduct regular backups for all databases in accordance with the backup and archive policies and conduct recovery whenever required, in adherence to change management process.
- vi. Installing client software and configuring database connectivity, applying Software patch as provided.
- vii. The DCO will provide database performance and health reports to DIT, Manipur as specified in the tender.

2.7 Non-IT Infrastructure Management and Maintenance Services :

All the devices installed in the Data Centre as part of the physical infrastructure are Simple Network Management Protocol (SNMP) enabled and shall be centrally and remotely monitored and managed on a 24x7x365 basis via industry leading infrastructure management solution deployed to facilitate monitoring and management of the Data Centre Infrastructure on one integrated console. The Non-IT Infrastructure management and maintenance services shall include:

- a) Proactive and reactive maintenance, repair and replacement of defective components. The cost for repair and replacement shall be borne by the DCO.
- b) The DCO shall have to stock and provide adequate onsite and offsite spare parts and spare components. To provide this service it is important for the selected bidder to have necessary back to back arrangement with the respective OEMs / vendors. The selected bidder needs to provide a copy of the service level agreement signed with the respective OEMs.
- c) Component that is reported to be down on a given date should be either fully repaired or replaced by temporary substitute (of equivalent configuration) within the time frame indicated in the Service Level Agreement (SLA). In case the DCO fails to meet these standards, penalty will be imposed on DCO, as per the specified in a SLA.
- d) The DCO shall also maintain log/records of all maintenance activities for the Manipur SDC equipment/components and shall maintain a logbook on-site that may be inspected by Client at any time during contract period.

2.8 Helpdesk Service:

The helpdesk service will serve as a single point of contact for all ICT related incidents and service requests. The service will provide a Single Point of Contact (SPOC) and also resolution of incidents. The scope of work includes:

- i. 24x7x365 Help Desk facility for reporting issues/problems with the IT infrastructure.
- ii. To provide a service desk facility and setup all necessary channels for reporting issues to helpdesk. The incident reporting channels will be the following:
 - a. Specific E-Mail account
 - b. Dedicated Phone Numbers
- iii. To implement a call logging system.
- iv. The Help Desk shall undertake the following activities:

- a. Log issues /complaints related to IT infrastructure at the Data centre under the scope of work and issue an ID number against the issue/complaint.
- b. Assign severity level to each issue/complaint.
- c. Track each issue/ complaint to resolution
- d. Escalate the issues / complaints, to DIT, Manipur if necessary as per the escalation matrix defined in discussion with DIT, Manipur
- e. Provide feedback to the callers
- f. Analyse the issue/ complaint statistics
- g. Creation of knowledge base on frequently asked questions to aid the users of the IT infrastructure.
- h. Provisioning of requisite number of Help Desk software licenses for operating the Helpdesk facilities.

2.9. Management Information System (MIS) Reports:

The DCO shall provide the MIS reports for all the devices installed in the Data Centre in a prescribed format and media as mutually agreed with the Client on a periodic basis. Whenever required by Client, DCO should provide additional reports in the required format or as per Client requirement time to time.

2.10 IT Security Administration Services:

The objective of this service is to provide a secure environment through the operation and maintenance of the ISO 27001 ISMS Standard. This service includes:

- a) Addressing the ongoing needs of security management including, but not limited to monitoring of various devices / tools such as firewall, intrusion detection, content filtering and blocking, virus protection and vulnerability protection through implementation of proper patches and rules.
- b) Maintaining an updated knowledge base of all the published security vulnerabilities and virus threats for related software and microcode etc.
- c) Ensuring that patches / workarounds for identified vulnerabilities are patched /blocked immediately.
- d) Respond to security breaches or other security incidents with root cause analysis and coordinate with respective OEM in case of a new threat is observed to ensure that workaround / patch is made available for the same.
- e) Provide a well-designed identity management system, security of physical and digital assets, data and network security, backup and recovery etc.
- f) Maintenance and management of security devices, including, but not limited to maintaining firewall services to restrict network protocols and traffic, detecting intrusions or unauthorized access to networks, systems, services, applications or data, protecting email gateways, firewalls, servers from viruses.
- g) Ensuring that the security policy maintained and update various relevant procedures, guidelines and other ISMS documents as per ISO 27001:2013 standards and implement these procedures accordingly.
- h) A process must ensure the continuous improvement of all elements of the information and security management system. (The ISO/IEC 27001 standard adopts the Plan-Do-Check-Act [PDCA] model as its basis and expects the model will be followed.

2.11 Backup / Restore Services:

- a) Backup of storage as per the defined policies.
- b) Monitoring and enhancing the performance of scheduled backups, schedule regular testing of backups and ensuring adherence to related retention policies as defined by the Client.
- c) Prompt execution of on-demand backups of volumes and files whenever required or in case of upgrades and configuration changes to the system.
- d) Real-time monitoring, log maintenance and reporting of backup status on a regular basis.
- e) Media management tasks, including, but not limited to, tagging, cross-referencing, storing, logging, testing, and vaulting in fire proof cabinets (onsite and offsite).
- f) 365x24x7 support for file and volume restoration requests at the Data Centre.
- g) Off-site Backup – Data (backup) meant for Offsite locations will be handed over by DCO in secured manner to designated officer(s) of Client or State Government. State Government will be responsible for maintaining the Off-site location.

2.12 Maintenance Activities :

DCO has to carry out the Preventive & reactive maintenance of MSDC infrastructure / components. This includes carrying out the necessary repairs and replacement of parts wherever needed to keep the service & operation levels of the IT & non-IT equipment of MSDC in tune with the requirements of the SLA. Such preventive maintenance shall not be attended during the normal office Hours (i.e. 10 am to 6 pm on weekdays) of MSDC operations. DCO needs to maintain the Log Book for such preventive and reactive maintenance activities. For such preventive maintenance, DCO needs to inform Client prior to 3 days and undertake the activity with written consent of the client. For Scheduled and Preventive Maintenance by DCO for the Hardware /or Software /or Active /or Passive shall be done with written prior intimation to client at least 72 hours in advance. Preventive Maintenance should be carried out at least once in every quarter, which includes:

- a) Checking for any loose contacts in the cables & connections for the respective infrastructure and equipment.
- b) Run diagnostics tests on respective infrastructure and equipment.
- c) Cleaning and removal of dust and dirt from the interior and exterior of the equipment.
- d) Ensuring that wiring is done as per the standard.
- e) Ensuring that wiring diagrams are updated, whenever there are modifications.
- f) Ensuring the management of rack space equipment as needed.
- g) Carrying out and verifying back-ups consistency on regular interval.
- h) Checking and listing all wear and tear of the equipment and site environment.
- i) Ensuring no flammable material is present.
- j) Clearing up of any unnecessary items or Spares. MSDC operator needs to

ensure cleanliness within MSDC.

3. ELIGIBILITY CRITERIA:

- a) The Bidder should have a positive net worth of at least Rs. 15 crores or above in any of the two financial years in the last 3 years.
- b) The bidder should have an average annual turnover Rs 20 crores in each of the last three financial year.
- c) The bidder should be an Information Technology Service based Companies /Consortium /Society/Firm registered in India. Incorporation/Registration certificate should be furnished as documentary proof. In case of consortium applicant, details of the consortium criteria at section No. 7. should be fulfilled.
- d) The bidders and all consortium partners shall not have been black listed by any State Government, Central Government or any other Public Sector undertaking or a Corporation as on the date of publication of EOI. An undertaking to this effect should be submitted by the bidder on its letter head.
- e) The bidder should be ISO 20000 and ISO 27001 certified.
- f) The bidder (Prime) should have experience in providing Facility Management Services to at least two Tier-II or above Data Centre, during the last three years as on_____. The Facility Management Services shall include IT infrastructure related (i.e. servers, storage, network etc.) / non IT related service (Power cooling, physical security etc.).

Note:

- a) Bidders' in house Data Centre shall not be considered.
- b) Bidders who have built their own Internet Data Centre (IDC), for commercial use will be considered.

4. GENERAL TERMS:

- a) DIT, Manipur reserves the right to examine/verify the supportive documents/reports furnished by the bidders.
- b) DIT, Manipur would constitute an evaluation committee that will evaluate the responses in detail in order to determine whether they are substantially responsive to the requirements set forth in the EOI. The decision taken by the committee in this regard is final and binding on all the bidders of EOI.
- c) If any information or document provided in the response to this EOI is found to be misleading subsequently, the bidder will be disqualified.
- d) DIT, Manipur may reject any or all the responses received/cancel the entire process at any stage without assigning any reason whatsoever.
- e) DIT, Manipur shall have absolute discretion to issue Request of Proposal to eligible bidders short listed under EOI or to go for open tender later as per the requirement of Department.

- f) DIT, Manipur reserves the right to modify the eligibility criteria and scope of work in EOI.
- g) DIT, Manipur also reserves the right to modify the scope of phases and project duration.
- h) The applicants who wish to submit responses to this EOI should note that they should abide by all the terms and conditions contained in the EOI. If the responses contain any extraneous conditions put in by the respondents, such responses may be disqualified and may not be considered for the empanelment/selection process.
- i) The information exchanged between the bidders and DIT, Manipur as part of this EOI shall be confidential and shall not be disclosed without the prior written consent of the DIT, Manipur.
- j) Notwithstanding anything contained herein above, in case of any dispute, claim and legal action arising out of this EOI, the parties shall be subject to the jurisdiction of courts at Imphal, Manipur State, India only.
- k) If the "Bidder(s)", at any point of time, wishes not to participate in this EOI, the same information may be communicated to the 'DIT, Manipur' within one week of the receipt of this EOI by the "Bidder(s)".

5. SUBMISSION OF PROPOSAL

1. Bidders qualifying as per the criteria mentioned above and who are interested in providing the services detailed above may submit their response to this EOI as per formats given in Bid submission formats along with relevant documentary evidence latest by 10th July, 2018 till 1 pm. Any response not containing information for all the parts of Annexure may be rejected.
2. The EOI response should be submitted in a sealed cover duly superscripted "Expression of Interest-" at the following address:

**Office of the Director,
Department of Information Technology,
Government of Manipur
4th Floor West Block New Secretariat, Imphal - 795001**

6. Bid Proposal Formats

In support of eligibility, a Bidder must submit the following documents (besides the other requirements of the tender), original copies or attested copies, as the case may be, in the absence of which the Bid will be rejected.

Sl. No.	Forms	Description
1	Form-1	Pre-Qualification Bid Letter
2	Form 2a	General Information about the Bidder
3	Form 2b	Pre-Qualification Criteria

6.1 Form-1: Pre-Qualification Bid Letter.

[Bidders are required to Pre-Qualification Bid Letter as given here on their letterhead]

To,

The Secretary (IT)
Government of Manipur

Sub: Setting up of a Commercial Data Centre using existing space and infrastructure of the Manipur SDC under the EOI.

Reference: EOI No. _____ dated _____

Sir,

We, the undersigned Bidders, having read and examined in detail all the Tender documents, do hereby propose to provide the services as specified in the EOI document number <EOI REFERENCE NUMBER> Dated <DD/MM/YYYY> along with the following:

2. We hereby declare that our bid is made in good faith, without collusion or fraud and the information contained in the bid is true and correct to the best of our knowledge and belief.
3. We understand that our bid is binding on us and that you are not bound to accept a bid you receive.

Thanking you,

Yours faithfully,

(Signature of the Bidder)

Printed Name Designation

Seal

Date:

Business Address:

6.2 Form-2a: General Information about the Bidder

Details of the Prime Bidder				
1.	Name of the Organisation / Company			
	Registered Office address:			
	Corporate and administrative office address:			
	Status of the Company (Public Ltd/ Pvt. Ltd)			
	Details of Incorporation of the Company		Date	
			Ref. No.	
	Details of Commencement of Business		Date	
			Ref. No.	
	Valid GST Registration No.			
	Permanent Account Number (PAN)			
	Phone nos. / Mobile Nos.:			
Website				
Email id				
2.	Name & Designation of the concerned Official to whom all references shall be made			
	Phone nos. / Mobile Nos.:			
	E-Mail ID:			
3.	Total No. of Employees/Manpower Strength:			
4.	Year of registration under Indian Companies Act, 1956 & Company Registration No with RoC			
5.	Detailed description and value of work done in the past three years and works in hand (to be furnished in the Annexure - II)		YES/NO	
6.	Financial Details (as per audited Balance Sheets) (in crore)			
	Year	2015-2016	2016-2017	2017-2018
	Net Worth			
	Turn Over			

Details of the members of the Consortium (Please attach consortium Agreement)		
1.	Name of the Bidder	
2.	Address of the Bidder	
3.	Name & Designation of the contact person to whom all references shall be made regarding this tender	
4.	Telephone No. (with STD Code)	
5.	E-Mail of the contact person:	
6.	Fax No. (with STD Code)	
7.	Website	

6.3 Form 2b: Pre-Qualification Criteria

SL.	Clause	Document required	Nos. of Pages
1.	The bidder (prime) should be company registered under the Companies Act, 1956 since last 5 years as on 31.03.2018.	Certificate of incorporation and Self-Certification of being in the Information Technology business for the last 5 years should be attached.	
2.	Bidder (prime) should be an established Information Technology company/ IT System Integrator and should have been in the business for a period exceeding three years as on 31.03.2018.	Commencement of Business Certificate, work orders conforming year and area of activity and Memorandum and Articles of Associations should be attached.	
3.	The bidder (prime) should have positive net worth of at least 15 cores or above and turnover of average Rs. 20 crores for each of the last three Financial Years ending on 31.03.2018.	Chartered Accountant certificate for Net-worth, Turnover and PAT should be attached. Copy of the audited profit and loss account/ balance sheet/ annual report and calculation of Net-worth of last three financial years (upto 31-Mar-18) should be attached.	
4.	The bidder (prime) should have experience in providing Facility management services to at least one Data Center, during the last five (5) years as on 31.03.2018: An order value of not less than Rs. 1 crores will be considered.	Copy of work order/ client certificates should be attached.	

	Note: Bidder's in house Data Centers shall not be considered unless used for commercial use.		
5.	The bidder (prime) must have on its roll at least 50 technically qualified professionals in the area of networking, systems integration and prior experience in providing the Data Center Infrastructure maintenance services as on 31.03.2018. At least five resources should be ITIL Certified and five resources should be ISO 27001 lead Auditor/ Implementer certified.	Certificate from bidders HR Department for number of employees' employed by the company. Name of the employees which are ITIL/ ISO 20000 and ISO 27001.	
6.	The Bidder and all consortium partners shall not be under a declaration of ineligibility for corrupt or fraudulent practices or blacklisted with any of the Government agencies.	Declaration in this regard by the authorized signatory of the prime bidder should be attached.	
7.	In case of consortium, agreement copy is to be furnished.		

Annexure-II DETAILS OF WORKS AND SERVICES OF SIMILAR NATURE DONE BY THE PARTY DURING THE LAST THREE YEARS.

Note: Photocopy of Performance Certificate / Completion Certificate of Owner in Support of the work mentioned above is required to be enclosed.

Sl.	Description of the work executed with details	Name and address of the client with contact numbers	Value of work executed	Period From To :	Total Period (Year / Months)	Remarks

7. Consortium Criteria

In case of consortium the prime bidder must be specified by the bidder.

The prime bidder cannot be a partner in more than one consortium. In case of consortium no company will be allowed to participate in more than one bid i.e. they should have exclusive partners in case it is observed that any consortium have a common partner then such consortiums will stand disqualified and under no circumstances their bids will be entertained. An undertaking in this regard has to be enclosed.

In case of a consortium, applicant consortia shall have a valid Memorandum of Understanding (MoU)/ agreement (duly registered) among all the members signed by the Chief Executives/ Authorized Signatories of the companies dated prior to the submission of the bid. The MoU/ consortium agreement shall clearly state the composition of the consortium who shall be the prime bidder, the complete description of the partner and roles and responsibilities of the partners. The MoU/agreement shall be exclusively for this project and shall be responsible in case of failure by any partner.

In case of a consortium, the maximum of bidders should not be more than 3 bidders. If The bidder (All members of consortium) is a bidder, it should be registered under company's act 1956. Partnership and Proprietor firm are not allowed.

The bidder (Each member of the Consortium) shall have company registration certificate, registration under labour laws & contract act, valid GST registration Number and Permanent Account Number (PAN) issued by income Tax department. (Copy of each registration should be provided).

Attested copy of the company's annual report has to be attached along with the bid. Bidder should submit an undertaking that Bidder (or any member of the consortium) is as a company/consortium and product quoted are not Black Listed by any Govt. dept. /agency in India.

Members of the Consortium shall be jointly and severally liable to the Government for the execution of the project in accordance with the terms of the bid document and a statement of this effect shall be included in the Memorandum of Understanding/consortium Agreement.

8. List of the existing infrastructure in Manipur SDC

8.1. List of the Non-IT equipment:

SL.	Product Detail				
	Name	Quantity	Make	Model	Serial Number
1	DG Set	4 Nos	Kirlonskar Green	6K 1080TA	6H5245/1100071
			Kirlonskar Green	6K 1080TA	6H5245/1100070
			Kirlonskar Green	6K 1080TA	6H5245/1100058
			Kirlonskar Green	6K 1080TA	6H.5255/1300170
2	UPS for Server Room (120 KVA)	4 Nos	Riello- 120KVA UPS	MPS 120LH-PARALLELO	MM07AP310180001
			Riello- 120KVA UPS	MPS 120LH-PARALLELO	MM07AP310180002
			Riello- 120KVA UPS	UPS-MPT-120-6P-HCP	MR09UP508450001
			Riello- 120KVA UPS	UPS-MPT-120-6P-HCP	MR09UP508450003
3	UPS for NOC, BMS, Staging Area (10 KVA)	2 Nos	Riello- 10KVA UPS	UPS MST 10 AOP	MM08UT311630001
			Riello- 10KVA UPS	UPS MST 10 AOP	MM08UT311630002
4	Precision AC	4 Nos	Blue star	PCX632DVR2	PCX632DVR210F00018
			Blue star	PCX632DVR2	PCX632DVR210F00016
			Blue star	PCX632DVR2	PCX632DVR210F00017
			Emerson	PEX 270EC with I-Com	13314ECN0270D227

SL.	Product Detail				
	Name	Quantity	Make	Model	Serial Number
5	Comfort AC	16 Nos	BlueStar	3HW18JARI	3HW18JARI13A02590
			BlueStar	3HW18JARI	3HW18JARI13A02533
			BlueStar	3HW12JAI	3HW12JAI13A02915
			BlueStar	3HW12JAI	3HW12JAI13A03466
			BlueStar	2HW24NAI	2HW24NAI13A02591
			BlueStar	2HW24NAI	2HW24NAI13A02589
			BlueStar	2HW24NAI	2HW24NAI13A02104
			BlueStar	2HW24NAI	2HW24NAI13A02567
			BlueStar	3HW18JARI	3HW18JARI13A02622
			BlueStar	3HW12JAI	3HW12JAI13A02878
			BlueStar	3HW12JAI	3HW12JAI13A02896
			BlueStar	3HW12JAI	3HW12JAI13A02895
			BlueStar	3HW12JARI	3HW12JARI13A00891
			BlueStar	3HW12JARI	3HW12JARI13A00895
			BlueStar	3HW18JARI	3HW18JARI13A02624
			BlueStar	3HW18JARI	3HW18JARI13A02534
6	Smoke & Fire Detection System	51 Nos	Honeywell	XLS-PHS	10200123410296300
			Honeywell	XLS-PHS	10200143422144400
			Honeywell	XLS-PHS	10200163422144300
			Honeywell	XLS-PHS	10200183422144200
			Honeywell	XLS-PHS	10200213422145400
			Honeywell	XLS-PHS	10200223422144300
			Honeywell	XLS-PHS	10200243422145400
			Honeywell	XLS-PHS	10200033422144200
			Honeywell	XLS-PHS	10200303410296400
			Honeywell	XLS-PHS	10200083410294900
			Honeywell	XLS-PHS	10200403410295100
			Honeywell	XLS-PHS	10200043410295300
			Honeywell	XLS-PHS	10200453410296800
			Honeywell	XLS-PHS	10200463410295100
Honeywell	XLS-PHS	10200113410294700			

SL.	Product Detail				
	Name	Quantity	Make	Model	Serial Number
			Honeywell	XLS-PHS	10200023410296400
			Honeywell	XLS-PHS	10200483410295700
			Honeywell	XLS-PHS	10200073410296300
			Honeywell	XLS-PHS	10200053410295100
			Honeywell	XLS-PHS	10200103410294800
			Honeywell	XLS-PHS	10200133422145400
			Honeywell	XLS-PHS	10200153422144400
			Honeywell	XLS-PHS	10200173422145200
			Honeywell	XLS-PHS	10200193422143300
			Honeywell	XLS-PHS	10200203410296100
			Honeywell	XLS-PHS	10200233422145200
			Honeywell	XLS-PHS	10200253422145400
			Honeywell	XLS-PHS	10200263422143300
			Honeywell	XLS-PHS	10200313410295100
			Honeywell	XLS-PHS	10200293422145400
			Honeywell	XLS-PHS	10200413422144200
			Honeywell	XLS-PHS	10200443421876500
			Honeywell	XLS-PHS	10200473422145100
			Honeywell	XLS-PHS	10200273422144200
			Honeywell	XLS-PHS	10200423422143200
			Honeywell	XLS-PHS	10200433410297200
			Honeywell	XLS-PHS	10200283410296100
			Honeywell	XLS-PHS	10200493410295100
			Honeywell	XLS-PHS	10200013422145400
			Honeywell	XLS-PHS	10200063410294900
			Honeywell	XLS-PHS	10200093410296200
			Honeywell	XLS-PHS	10200323410295100
			Honeywell	XLS-PHS	10200333410296400
			Honeywell	XLS-PHS	10200343410295100
			Honeywell	XLS-PHS	10200353410294900
			Honeywell	XLS-PHS	10200363422144400

SL.	Product Detail				
	Name	Quantity	Make	Model	Serial Number
			Honeywell	XLS-PHS	10200373410296100
			Honeywell	XLS-PHS	10200383410294700
			Honeywell	XLS-PHS	10200393410295300
			Honeywell	XLS-PHS	10200503404922600
			Honeywell	XLS-PHS	10200513410295200
7	GAS Suppression	7 Nos	UTC Fire & Security	FM 200	B2C80B-1903
			UTC Fire & Security	FM 200	B2C80B-1901
			Honeywell	FM 200	NJ6774
			Honeywell	FM 200	NJ6782
			Honeywell	FM 200	NJ6651
			Honeywell	FM 200	NJ6694
			Honeywell	FM 200	NJ8368
8	Water detection leak	1 set	Jay fire System	4 zone panel	31/10/13/07
9	HSSD/VESDA Solution	2 set	XTRALIS	VLP-012	B8117852
			System Sensor	8100	0026C8001A18
10	Access Control Solution	1 set	Honeywell	CTU A04	E197303
11	Public Address System	22 set	Bosch	LBB1990/00	405028601000164000
			Bosch	LBB1956/00	405032500100102000
			Bosch	LBB 9081/00	NA
			Bosch	LBD 1935	1101003876
			Bosch	LBD8372/00	311717374
			Bosch	LBD8372/00	311717104
			Bosch	LBD8372/00	311717178
			Bosch	LBD8372/00	311717103
			Bosch	LBD8372/00	311717373
			Bosch	LBD8372/00	311717177
			Bosch	LBD0606/10	4100947943
			Bosch	LBD0606/10	4100947296
			Bosch	LBD0606/10	4100947739

SL.	Product Detail				
	Name	Quantity	Make	Model	Serial Number
			Bosch	LBD0606/10	4100947957
			Bosch	LBD0606/10	4100947409
			Bosch	LBD0606/10	4100947914
			Bosch	LBD0606/10	4100947983
			Bosch	LBD0606/10	4100947752
			Bosch	LBD0606/10	4100947686
			Bosch	LBD0606/10	4100917977
			Bosch	LBD0606/10	4100947958
			Bosch	LBD0606/10	4100947975
12	36U Racks	41 Nos	President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available

SL.	Product Detail				
	Name	Quantity	Make	Model	Serial Number
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available

SL.	Product Detail				
	Name	Quantity	Make	Model	Serial Number
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36 U/1000D	Not Available
			President	Rack 19" Cyber 36U/800W/1000D	Not Available
			President	Rack 19" Cyber 36U/800W/1000D	Not Available
			President	Rack 19" Cyber 36U/800W/1000D	Not Available
			President	Rack 19" Cyber 36U/800W/1000D	Not Available
13	Hand held fire extinguishers	13 Nos	Kanex	KFC 703/10	170746
			Safe Zone	5	82/2/419
			Kanex	KFA 375/10	18723
			Kanex	KFA 375/10	18724
			Kanex	KFA 375/10	18726
			Kanex	KFA 375/10	18725
			Kanex	KCA 26/10	648
			SafeZone	8	82/6/798
			SafeZone	5	52/2/416
			SafeZone	16	52/6/1550
			SafeZone	5	52/2/417
			SafeZone	16	52/6/1546
			KANADIA	KCA2	647
14	Rodent Repellent System	3 set	R-SCAT	Je-24BL	R/111/4567
			R-SCAT	Je-24BL	R/111/6789
			R-SCAT	Je-24BL	R/111/5688

SL.	Product Detail				
	Name	Quantity	Make	Model	Serial Number
15	Auto Switch Transfer	4 Nos	Shivam	Auto change over 15	SE/15/10-11
			Shivam	Auto change over 15	SE/15A/10-11
			Shivam	Auto change over 15	SE/15B/10-11
			Prolific	PAC 05	PSTPL/05/12-13
16	Surveillance CCTV System	15 Nos	Honeywell	HDC 890PV	I8901222008866
			Honeywell	HDC 890PV	I8901222008776
			Honeywell	HDC 890PV	I8901222008723
			Honeywell	HDC 890PV	I8901222008716
			Honeywell	HDC 890PV	I8901222008727
			Honeywell	HDC 890PV	I8901215008017
			Honeywell	HDC 890PV	I8901215008026
			Honeywell	HDC 890 PV	I8901225009508
			Honeywell	HDC 890 PV	I8901222008465
			Honeywell	HDC 605P	I1020008140
			Honeywell	HDC 605P	I1020008138
			Honeywell	HDC 605P	I1020008141
			Honeywell	HDC 605P	I1020008148
			Honeywell	HDC 605P	I1020008139
Honeywell	HDC 605P	I1020008149			
17	Access Reader Card	16 Nos	HID	R-640X-300	0213-451712
			HID	R-640X-300	0613-465313
			HID	R-640X-300	0613-465290
			HID	R-640X-300	0213-450647
			HID	R-640X-300	0613-465310
			HID	R-640X-300	0213-451693
			HID	R-640X-300	2510-117369
			HID	R-640X-300	2510-117347
			HID	R-640X-300	2510-117308
			HID	R-640X-300	2510-117319
			HID	R-640X-300	2510-117368

SL.	Product Detail				
	Name	Quantity	Make	Model	Serial Number
			HID	R-640X-300	2510-117359
			HID	R-640X-300	2510-117318
			HID	R-640X-300	2510-117331
			HID	R-640X-300	2510-117366
			HID	R-640X-300	3210-132832
18	LT Panel	2 Nos	Shivam Electricals	LT DIST. 12	S.E/12/10-11
			Prolific	LT 01	PSTPL/01/12-13
19	LT Panel (Incomer)	1 Nos	Prolific	MIC 02	PSTPL/02/12-13
20	Stablizer	2 Nos	Arzoo Energy	250KVA	TP1307020
			Abhishek Electricals (kelvolt)	SCVS250	10047
21	Auto Sync Panel	1 Nos	Shivam Electricals	Synchronizing 16	S.E/16/11-12
22	EPABX	1 Set	Enkay	NEC Univerge Neax 2000 IPS	SN1729 PIMMJ
23	DVR	1 Nos	Honeywell	HD16DVR-C	12042500048
24	EBI Server	1 Nos	Dell	Vostro 230	2BF17BS
25	Gas Release Panel	2 Nos	Ravel	RE-GR	18616-12-10
			Ravel	RE-GR	18617-12-10

8.2. List of the IT equipment:

Sl.	Product Name	Quantity	System Make	System Model	System Serial No.
1.	Database server	4 Nos	IBM	IBM X3850 M2	99D7389
			IBM	IBM X3850 M2	99D8206
			IBM	IBM X3850 M2	99D8204
			IBM	IBM X3850 M2	99D8212
2.	Application Server	4 Nos	IBM	Blade Center HS22	99N5828
			IBM	Blade Center HS22	99N5826
			IBM	Blade Center HS22	99N5820
			IBM	Blade Center HS22	99N5030
3.	Web Server	4 Nos	IBM	Blade Center HS22	99N0231
			IBM	Blade Center HS22	99N5829
			IBM	Blade Center HS22	99N5824

Sl.	Product Name	Quantity	System Make	System Model	System Serial No.
			IBM	Blade Center HS22	99N5819
4.	Staging Server	2 Nos	IBM	IBM x3550 M2	99E4161
			IBM	IBM x3550 M2	99D8192
5.	Anti-Virus	1 Nos	IBM	IBM x3550 M2	99H8917
6.	Directory Server, DNS and DHCP Server	2 Nos	IBM	IBM x3550 M2	99H8921
			IBM	IBM x3550 M2	99H8923
7.	Integration Server	1 Nos	IBM	IBM x3550 M2	99H8922
8.	SAN Switch	2 Nos	Cisco	MDS-C9134-K9	JAF141932X2/13d32 x2
			Cisco	MDS-C9134-K9	JAF141932Y0/13d32 y0
9.	SAN Storage	1 Nos	IBM	IBM DS5100	78K1BT4
11.	SAN Volume Controller	2 Nos	IBM	IBM X3250 M2	75HNDFA
			IBM	IBM X3250 M2	75HNCWA
12.	Storage Management Server	1 Nos	IBM	IBM X3550 M2	7509712
13.	Backup Server	1 Nos	IBM	IBM 3650M2	99V9017
14.	Enterprise Access Server	1 Nos	IBM	IBM x3550 M2	99H8918
15.	Firewall Server	1 Nos	IBM	Site Protector R.3.1	99H8920
16.	Proxy Server	1 Nos	IBM	IBM 3550 M2	99H8919
17.	HIPS Server	1 Nos	IBM	IBM 3550 M2	99H8924
18.	Mail Servers	5 Nos	IBM	IBM 3550 M2	06KKG98
			IBM	IBM 3550 M2	06KKG78
			IBM	IBM 3550 M2	99G7006
			IBM	IBM 3550 M2	99G7202
			IBM	IBM 3550 M2	99G7201
19.	Tape Library	1 Nos	IBM	TS3310	1317684
20.	LAN Switch-Core	2 Nos	Cisco	Cisco 4510R-E	FOX1447GDX3
			Cisco	Cisco 4510R-E	FOX1447GDYF
21.	Firewall- Internet	2 Nos	Cisco	Cisco ASA 5550	JMX1452L0UZ
			Cisco	Cisco ASA 5550	JMX1452L0UY
22.	Internet Router	2 Nos	Cisco	CISCO2911/K9	FHK1453F304
			Cisco	CISCO2911/K9	FHK1453F303
23.	IPS	2 Nos	Cisco	Cisco IPS 4260	AZBW6210063
			Cisco	Cisco IPS 4260	FTX14535020
24.	Server Load Balancer	2 Nos	Cisco	Cisco ACE 4710K9	QCF160304KW
			Cisco	Cisco ACE 4710K9	QCF160304KX
25.	LAN Switch	7 Nos	Cisco	WS-C3560G-24TS-E	FOC1445V4KW
			Cisco	WS-C3560G-24TS-E	FOC1449Z4FL
			Cisco	WS-C3560G-24TS-E	FOC1445X2R0
			Cisco	WS-C3560G-24TS-E	FOC1445X3GV
			Cisco	WS-C3560G-24TS-E	FOC1449Z4HG
			Cisco	WS-C3560G-24TS-E	FOC1445V4KR
			Cisco	Catalyst 2960	FOC1028Z4MJ
26.	Tivoli Omnibus	1 Nos	IBM	IBM x3550 M3	99V9068
27.	Tivoli Network	1 Nos	IBM	IBM X3650 M2	99C9595

Sl.	Product Name	Quantity	System Make	System Model	System Serial No.
	Manager IP + Webgui				
28.	Tivoli Business Service Manager	1 Nos	IBM	IBM X3650 M2	99C9680
29.	ITSRM (Application Server)	1 Nos	IBM	IBM X3650 M2	99V9063
30.	ITSRM (Database Server)	1 Nos	IBM	IBM X3650 M2	99C9656
31.	ITM (TEMS+TEPS)	1 Nos	IBM	IBM X3650 M2	99V9064
32.	ITM Dataware house	1 Nos	IBM	BM X3650 M2	99C9449
33.	ITCAM for Application diagnostics	1 Nos	IBM	IBM X3650 M2	99V9066
34.	Proviso (Application+ Database Server)	1 Nos	IBM	IBM 3650 M3	99N1571
35.	Desktops	13 Nos	HP	HP Pro 3090 MT	INA132SHH5
			HP	HP Pro 3090 MT	INA132SHGV
			HP	HP Pro 3090 MT	SFH113QB3R
			HP	HP Pro 3090 MT	INA132SHH0
			IBM	8434RA4	2FYZD68
			HP	HP Pro 3090 MT	SGH113QB3X
			HP	HP Pro 3090 MT	INA132SHG4
			HP	HP Pro 3090 MT	INA132SHGB
			IBM	8303-J4A	2FZYXY2
			IBM	IBM Net Vista	2FFTTKR
			Dell	INSPIRON 535S	39VX3BS
HP	HP Pro 3090 MT	INA103SJ8K			
36.	Multifunction Devices (Printer)	1 Nos	HP	HP COLOR LASERJET CM2320nf MFP PRINTER	CNF9BBDT1X
37.	Printer	1 Nos	HP	HP Lazerjet 1022n	VNRJ77T0VL
38.	Digital Telephone	5 Nos	Enkay	DTR-8D-2(WH) TEL	11200169F-G
					11200188F-G
					11200187F-G
					11200140F-G
					11200168F-G
39.	Analog Telephone	12 Nos	Bharti Teletech Limited	Beetel Secure V3.1	047169-U5
					047281-U5
					047267-U5
					047157-U5
					047276-U5
					047272-U5
					047168-U5
					047156-U5
					047162-U5
					047173-U5
					047262-U5
	047163-U5				
40.	Monitor	14 Nos	HP	HP v185e	CNT12402SW

Sl.	Product Name	Quantity	System Make	System Model	System Serial No.
			HP	HP v185e	CNT124030P
			Dell	IN1910Nb	CN-0G492N-74261-983-6RGL
			HP	HP v185e	CNT12402YY
			Lenovo	9165-AC	V6-FKB83
			Dell	E157FPc	0FJ061-64180-78H-0L3A
			HP	LE1851W	CNC014P35V
				HP LE1851w	CNC102R6K0
			DELL	E1910Hc	CN-0U417N-64180-082-1VFS
			HP	HP v185e	CMT1240302
			HP	HSTND-2511-T	CNT12402YR
			HP	HP LE1851w	CNC014P375
			Samsung	B2230	0018HPGZ904547X
			Samsung	LA32D403E2LXL	MQ503EBD200178L

8.3. List of the Software:

SL.	Product Name	Quantity	License Items	No of Licences
1.	Microsoft Windows Server	25	Microsoft Windows Server Enterprise 2008 R2 Single	18
			Microsoft Windows Server Standard 2008 R2 Single	5
			Microsoft Windows Server Extension Connection 2008	2
2.	Linux Server	16	Red Hat Enterprise Linux Server, Standard (up to 2 sockets)	1
			High Availability (1-2 Sockets)	3
			Red Hat Enterprise Linux, Standard (1-2 Sockets)	5
			Red Hat Enterprise Linux, Advanced Platform, Standard (unlimited sockets)	7
3.	Database Server	6	Microsoft SQL-Server Enterprise Edition 2008 Single OLD D 1 Proc	2
			Oracle Database Standard Edition – Processor Perpetual	4
4.	SNAPPIMON	1	SNAPPIMON 3.0	100
5.	Anti Virus Software	1	Symantec Protection Suite Ent Edition	50
6.	Proxy Software	2	Microsoft FrFrnt TMG Ent 2010 SNGL OLP D Proc	2
7.	HIPS	26	IBM Security Host Protection for Servers Install Annual SW Subscription & Support Renewal 12 Months-E0C9CLL	18
			Proventia Server for Linux License	7
			Proventia Server for SiteProtector SoftwareLicense	1

SL.	Product Name	Quantity	License Items	No of Licences
8.	Backup Software	616	IBM Tivoli Storage Manager Extended Edition 10	616
			Processor Value Units (PVUs) Annual SW Subscription &	
			Support Renewal-E029ELL	
		224 numbers	IBM Tivoli Storage Manager for Databases 10 Processor	224
			Value Units (PVUs) Annual SW Subscription & Support Renewal-E028WLL	
		224 numbers	IBM Tivoli Storage Manager Storage Area Networks 10	224
Processor Value Units (PVUs) Annual SW Subscription &				
Support Renewal-E029ILL				
9.	Asset Management	3 numbers	IBM SmartCloud Control Desk Entry Edition Concurrent	1
			User Annual SW Subscription & Support Renewal (E0CURLL)	
10.			IBM Tivoli Composite Application Manager for	8
			Transactions for Web and Robotic Response and Tracking	
			Resource (E0BMCLL)	
11.	Application Monitoring		IBM Tivoli Composite Applications for Application	8
			Diagnostics Resource Value Unit Annual SW Subscription	
			& Support Renewal (E0BMGLL)	
12.	Applicaion Monitoring	28 numbers	IBM Tivoli Composite Application Manager For	28
			Applications 3 Agent Pack Resource Value Unit Annual	

SL.	Product Name	Quantity	License Items	No of Licences
			SW Subscription & Support Renewal 12 Months - E0F3LLL	
13.	Application Monitoring	14 numbers	IBM Tivoli ITCAM for Microsoft Applications Advance Resource Renewal-E0BM8LL Value Unit Annual SW Subscription & Support	14
14.	Helpdesk	1 number	IBM SmartCloud Control Desk Authorized User Annual SW Subscription & Support Renewal-E0CVILL	1
15.	Helpdesk	5 number	IBM SmartCloud Control Desk Concurrent User Annual SW Subscription & Support Renewal-E0CVLLL	5
16.	NMS	1 number	IBM Netcool Network Management Base Install Annual SW Subscription & Support Renewal 12 Months-E087VLL	1
17.	NMS	25 numbers	IBM Netcool Network Management Entry Device Resource Value Unit Annual SW Subscription & Support Renewal 12 Months-E07VOLL	25
18.	NMS	1 number	IBM Netcool Network Management Event EMS Resource Value Unit Annual SW Subscription & Support Renewal 12 Months-E07VBLL	1
19.	NMS Server	1 number	IBM Tivoli Business Service Manager Install Annual SW Subscription & Support Renewal-E03TVLL	1
		400 numbers	IBM Tivoli Business Service Manager Tier 1 Resource Value Unit Annual SW Subscription & Support Renewal-E05BKLL	400
20.	Server Monitoring	28 numbers	IBM Tivoli Monitoring Resource Value Unit Annual SW Subscription & Support Renewal-E0BLKLL	28
21.	Application Monitoring	6 numbers	IBM Tivoli Composite Application Manager for Microsoft Applications Entry Per Server License Software Subscription & Support Renewal-E04L1LL	6