



GOVERNMENT OF KERALA

Abstract

Information Technology Department –Operation & Maintenance of State Data Centre by Keltron-
Approval of Agreement & Payment -Orders issued.

INFORMATION TECHNOLOGY (B) DEPARTMENT

G.O.(Ms)No.28/2014/ITD

Dated, Thiruvananthapuram, 15-10-2014.

Read:1. G.O(Ms) No. 27/2012/ITD, dated 07-12-12.

2. Memorandum of Understanding dated 16-01-13 signed between Director, Kerala State IT Mission and Managing Director, Keltron.
3. Letter No. KSITM/SDC/889/2013/634, dated 08-04-13 of Director, Kerala State IT Mission.
4. Minutes of the meeting convened by the Principal Secretary(IT) on 24-04-13.
5. Minutes of the meeting convened by the Secretary(IT) on 16-01-14.
6. Letter No. KSITM/SDC/889/2013/2817, dated 06-02-14 from the Director, Kerala State IT Mission.

ORDER

As per G.O read as 1st paper above Operation & Maintenance(O&M)of State Information Infrastructure(SII) comprising of the State Data Centre(SDC), Thiruvananthapuram and its Network Operating Centres (NoC) at Thiruvananthapuram, Cochin and Calicut has been entrusted to M/s. Keltron. The Director, Kerala State IT Mission(KSITM)had been entrusted to work out the modalities in this regard. Keltron took over the charge of SDC(old) for O&M on 11-12-12.

2. As per letter read as 3rd paper above, Director, KSITM after having negotiated with Keltron has requested Government to approve the manpower cost of Rs. 1,28,01,000 for the operation of SDC(old) for one year. A series of meeting had been conducted by Secretary(IT) with Keltron and KSITM officials to finalise the payment. In the meeting held on 24-04-13 it was decided that manpower cost can be finalized with an increase of 15% per year from the previous man power cost of Rs. 80,73,113 for the Operation and Management of old SDC and NOCs. After detailed deliberations in respect to the finalisation of payment for Schedules 1 to 5, following decisions were taken in the meeting held on 16-01-14 :

Schedules	Existing Rate	Decision
Schedule1: Operation & Maintenance cost of existing items of SDC & 3 NOCs.	88,50,656	30% increase from the 2009 rate and no increase for two years. The amount comes to Rs. 1,15,05,853/- (Rs. 88,50,656 + 30% of 88,50,656) = Rs. 1,15,05,853/-)
Schedule 2: Supply & upgradation of equipments Schedule3: Maintenance of the upgraded equipments	_____	The Composite Team constituted for SDC will evaluate the proposal of Keltron and take decision with regard to the items to be purchased. AMC etc. Keltron will purchase & maintain the equipment and the amount will be paid by KSITM.

Schedule 4: Maintenance of ISO & Security: Audit & Certification	4,32,835	Rs. 6,27,611 per year as suggested by KSITM. Accepted for first 3 years
Schedule 5: Manpower costs for State Data Centre & Operation & Management	80,73,113	45% increase from 2009 rate and it is constant for 3 years Rs. 1,17,06,014/-

Based on the above decision Director, KSITM as per letter read as 6th paper above, furnished draft agreement and amount to be paid for Keltron for Schedule 1,4 and 5.

3. After having examined the matter in detail, Government are pleased to accord sanction for executing an agreement annexed to this order by Director, KSITM with Managing Director, Keltron in connection with Operation & Maintenance of State Information Infrastructure comprising of SDC(old) and its 3 NoCs for a period of 3 years from 11-12-12. The amounts stated in the Column No.3 of the table at Para 2 above shall be the contract value of the Operation & Maintenance charges for the SDC(old) and its Network Operating Centres.

4. Director, KSITM will effect the payment to Keltron as per standing rules and conditions in the matter.

BY ORDER OF THE GOVERNOR
P.H. Kurian
Principal Secretary to Government

To

The Director, Kerala State IT Mission, Thiruvananthapuram.
The Managing Director, Keltron, Thiruvananthapuram.
The Principal Accountant General (Audit) Kerala, Thiruvananthapuram.
The Accountant General (A&E), Kerala, Thiruvananthapuram.
The Finance Department.
The Law Department.
Web & New Media, I&PRD (For publishing in Government Website).
Stock File / Office Copy.

Enclosure : Agreement with annexures

Forwarded/By Order


Section Officer

AGREEMENT

This agreement is made on this theday, 2014 at between the Kerala State Information Technology Mission, a society registered under The Travancore-Cochin Literary, Scientific and Charitable Societies Registration Act, 1955 (Act 12 of 1955) and functioning under the Department of Information Technology, Government of Kerala (herein after referred to as "KSITM" which expression shall unless it be repugnant to the context or meaning thereof, be deemed to mean and include its successors and assigns) represented by its Director, Sri., of the ONE PART and Kerala State Electronics Development Corporation Limited, a Government Company registered under the Companies Act, 1956 and having its registered office at Keltron House, Vellayambalam, Thiruvananthapuram (hereinafter referred to as "KELTRON" which expression shall unless it be repugnant to the context or meaning thereof, be deemed to mean and include its successors and assigns) represented by its Managing Director, Sri. of the OTHER PART.

WHEREAS, KSITM, has been set up by the Government of Kerala to promote and support all activities in Information Technology with objectives to create Information Technology Infrastructure for promotion of Information Technology Industry in the State of Kerala, propagate e-Governance across all Government Departments and to support and assist the Government in building of Information and Communication Technology (ICT) infrastructure to provide services to citizens and business;

AND WHEREAS, KELTRON is engaged in the activities of Information Technology products and solutions as PC manufacturing, Software development, Networking, Web applications and is a Total Solutions Provider for the Government of Kerala;

AND WHEREAS, State Data Centre (hereinafter called (SDC)) was set up by Government of Kerala in Thiruvananthapuram to booster the e-Governance activities of the State. The 5000 Sq. Ft. facility is situated at Co-Bank Towers, Palayam, Thiruvananthapuram and is Operational since 2005;

AND WHEREAS, SDC is part of the State Information Infrastructure (SII) which consists of the State Data Centre Thiruvananthapuram and its Network Operation Centres at Thiruvananthapuram (Co-Bank Towers, Palayam), Cochin (Infopark, Kakkanad) and Calicut (KINFRA Park, Kakkanchery).

AND WHEREAS, SDC was built, Operated and maintained by M/s Tata Consultancy Services under the auspices of M/s CDAC since December 2009. From 11th DECEMBER, 2009 onwards SDC was Operated and Maintained by M/s Reliance Communications Infrastructure Ltd (RCIL) for a period of three(3) years. The tenure of M/s RCIL elapsed on 10th December, 2012;

AND WHEREAS, the Government have Vide G.O (Ms) No. 27/2012/ITD dated 07.12.2012 have issued orders to hand over the operations and maintenance of the State Information Infrastructure (SII) comprising of the State Data Centre (SDC), Thiruvananthapuram and its Network Operation Centres at Thiruvananthapuram, Cochin, and Calicut to KELTRON on expiry of the contract period of M/s RCIL;

NOW THEREFORE, pursuant to the above decisions and in consideration of mutual agreements and other valuable consideration, the parties hereby mutually agree and affirm here as follows:

1. DEFINITIONS

“Agreement”

Agreement shall mean this Agreement together with all its appendices and annexures and any amendments thereto made in accordance with the provisions herein.

Agreement Period

This Agreement shall remain valid for a period of three years from the effective date

Effective Date: - Effective date shall mean 11.12.2012, date on which KELTRON took over the charge of SDC for Operation & Maintenance.

Other terms used in the Agreement - Any terms used in this Agreement but not defined under this clause shall have the same meaning as assigned to such term under the Information Technology Act, 2000 (as amended from time to time) and the Companies Act, 2013 (as amended from time to time) and Indian Contract Act 1882

2. ROLES AND RESPONSIBILITIES OF KSITM

- 2.1 KSITM shall takes immediate steps with Government regarding all matters wherein Government approval is required
- 2.2 Payment of Manpower charges required for the Operation & Maintenance of SDC within three weeks of receipt of invoice from KELTRON

- 2.3 Imprest money will be released for the payment of recurring charges like Electricity, Telephone, Diesel etc as per request from Keltron. The payment receipts in original should be attached with the invoice for settling the imprest money
- 2.4 Other payments required for the Up gradation / Modification / Replacement of equipments etc at the SDC by KELTRON after obtaining prior approval from KSITM .

3. ROLES AND RESPONSIBILITIES OF KELTRON

3.1 Take over of SDC from the current Data Centre Operator (DCO) M/s Reliance Communications Infrastructure Ltd

3.2 Ensure all modalities / Procedure for a smooth and effective transition

3.3 Provide services described in the Scope of Work in this Agreement and its Attachments; and include those that may evolve during the Term of this Agreement or be supplemented, enhanced, modified or replaced

3.4 Ensure 24X7 Manpower for the Operation and Maintenance, security etc of the SDC and Network Operating Centres (NOCs) from the date of take over

3.5 Ensure Annual Maintenance Contract and Operation and Maintenance of all IT / Non-IT and other equipments at the SDC and Network Operating Centres (NOCs) as described in annexure E from the date of take over

3.6 Payment of recurring charges like Electricity, Diesel, Telephone etc which are required for the normal operation of SDC and Network Operation Centres

3.7 Suggest modifications / other works required for the smooth, efficient and effective functioning of the State Data Centre

3.8 Except as otherwise expressly provided in this Agreement, Keltron shall be responsible for providing the facilities, personnel, equipment, software, technical knowledge, expertise, consents, permits and other resources necessary to provide the services

4. OPERATION UPTIME

4.1 KELTRON should ensure 99.5% uptime calculated monthly, separately for State Data Centre at Thiruvananthapuram and Network Operation Centres at Thiruvananthapuram, Cochin and Calicut. The uptime is to be calculated using the monitoring tools available at the SDC. The reports should be submitted along with payment invoices

4.2 Maximum downtime on single occasion for critical components is two hours.

4.3 Maximum down time on single occasion for non-critical components is twenty four hours.

4.4 The details of Critical and non-Critical components are enclosed as Annexure D.

5. PENALTY

5.1 For every extra 0.2% reduction from the committed 99.5% uptime a deduction of 1% of Annual Maintenance Contract (AMC) and Operational and Maintenance charges for the corresponding month

5.2 Planned / Maintenance downtime approved by KSITM shall not be treated for calculating penalties

5.3 If the uptime is less than 95% for any month KSITM has right to terminate this Agreement

5.4 Rs.5000 per event will be deducted for single occasion downtime. An event means downtime up to maximum permitted downtime.

6. ATTACHMENTS

The following documents should be read and construed in conjunction with this Agreement.

Annexure-A: Memorandum of Understanding(MoU) signed between KSITM and
KELTRON on 16 January, 2013.

Annexure-C: Consolidated list of inventory in SDC and Network Operation Centres.

7. REPRESENTATIONS AND WARRANTIES

7.1 That the representations and warranties made by Keltron in this Agreement are and shall continue to remain true and fulfill all the requirements as are necessary for executing the obligations and responsibilities as laid down in the Agreement and through the term of the Agreement

7.2 That the execution of the services and the scope of work herein are and shall be in accordance and in compliance with all applicable laws

7.3 That Keltron confirms that there has not been and shall not occur any execution, amendment or modification of any Agreement which may directly or indirectly have a bearing on this Agreement, without the prior written consent of KSITM

7.4 That time is the essence of the Agreement and hence Keltron shall at all times maintain sufficient manpower, resources, and facilities, to provide the services on a timely basis.

7.5 That its security measures, policies and procedures are adequate to protect and maintain the confidentiality of Information

7.6 That Keltron and its employees shall not tamper with, compromise, or in any manner attempt

to circumvent any physical or electronic security measures employed by KSITM or the Government.

7.7 That the deliverables and services and any other material provided by Keltron do not create or contain any virus or any other contaminant, including but not limited to codes, commands or instructions that may be used to access, alter, delete, damage or disable the Computer Equipments, or other property belonging to KSITM or the Government

8. SCOPE OF AGREEMENT

8.1 Commencing as of the effective Date of this Agreement or such other date as expressly provided herein, Keltron shall provide services described in the Scope of Work in this Agreement (Annexure E) and its Attachments; and include those that may evolve during the Term of this Agreement or be supplemented, enhanced, modified or replaced

8.2 If any services, functions or responsibilities not specifically described in this Agreement are an inherent, necessary or customary part of the services or are required for proper performance or provision of the services in accordance with this Agreement or the request for proposal, they shall be deemed to be included within the scope of the services to be delivered, as if such services, functions or responsibilities were specifically described in this agreement

8.3 Except as otherwise expressly provided in this Agreement, Keltron shall be responsible for providing the facilities, personnel, equipment, software, technical knowledge, expertise, consents, permits and other resources necessary to provide the services

8.4 KSITM reserves the right to amend any of the terms and conditions in relation to the scope of work and may issue any such directions which are not necessarily stipulated therein if it deems necessary for the fulfillment of the scope of work

9. SCOPE OF WORK & DELIVERABLES.

9.1 The scope of the work to be carried out by Keltron is, though not limited to, in addition to the points indicated in the roles and responsibilities of Keltron are enclosed as Annexure E

9.2 The deliverables by Keltron is, though not limited to, as in Annexure F attached hereto

9.3 Keltron shall deploy a team of professionals for conducting meetings, interviews, workshops, surveys and secondary research in furtherance of the objective of meeting the requirements of the scope of work to the satisfaction of KSITM.

9.4 Keltron shall deliver progress reports to the KSITM, within the timelines committed, to enable a timely sign-off

9.5 Keltron shall strive to ensure that the quality of the documents delivered conforms to the

best standards in terms of their precision, accuracy, reliability and usability

9.6 Keltron shall organize review meetings with KSITM and the Technical Committee as set of in the activity schedule.

10 TIME LINES FOR IMPLEMENTATION

10.1 Both the parties agree that time is the essence of this agreement.

10.2 Keltron shall deploy resources as specified in the manpower resources plan, as in Annexure B attached hereto, to conform to the above requirement of timelines.

11 CONTRACT VALUE AND TERMS OF PAYMENT

The parties agree that for providing their services for the operations and maintenance of the State Information Infrastructure (SII) Comprising of the State Data Centre (SDC), Thiruvananthapuram and its Network Operation Centres at Thiruvananthapuram, Cochin and Calicut. KSITM shall pay amount as follows inclusive of all Taxes.

SI No	Description	Amount in ₹		
		Year 1	Year 2	Year 3
1	Schedule 1: Operation & Maintenance Costs of Existing ITEMS of STATE DATA CENTRE & 3 NETWORK OPERATING CENTRES	1,15,05,853	1,15,05,853	to be finalized
2	Schedule 4: Maintenance of ISO & Security : Audit & Certification Costs of STATE DATA CENTRE & 3 NETWORK OPERATING CENTRES	6,27,611	6,27,611	6,27,611
3	Schedule 5 : MANPOWER Costs for STATE DATA CENTRE & 3 NETWORK OPERATING CENTRES.	1,17,06,014	1,17,06,014	1,17,06,014
	TOTAL Amount ₹	2,38,39,478	2,38,39,478	to be finalized

KSITM shall release payment to KELTRON on raising of the invoice, at the end of every quarter.

12. ACCESS TO FILES/DATA/REPORTS, INFORMATION PERTAINING TO THE PROJECT

12.1 KELTRON shall wherever required, obtain from concerned competent authorities the necessary consents, approvals, authorizations, clearances as may be required from time to time for execution of the work

12.2 KELTRON shall procure available documents/ information/ reports as may be required to enable it to undertake the tasks relating to the project.

13. CONFIDENTIALITY TERMS

13.1 During the course of this agreement both KSITM and KELTRON are required to disclose or be exposed to, trade secrets of each other, or acquire information which is proprietary to or confidential to such disclosing Party in the course of performing its/their responsibilities under the proposed business relationship;

13.2 The Parties agree to the need to maintain confidentiality of such confidential information on the terms and conditions contained herein.

13.3 "Confidential Information" includes all information and trade secrets exchanged by the parties hereto, including without limitation, business plans, forecasts, ideas, concepts, methods, techniques, projections or analysis, financial plans, financial data, software, hardware or system designs, specifications, documentation, architecture, structure, protocols, requests for proposals, proposals, terms and pricing of this Agreement, and non-public financial and business information. Parties' proprietary information and data, information about each party's employees, clients, and vendors and all other information, whether as a whole or any part thereof, that a reasonable person would deem confidential.

13.4 "Disclosing Party" means the Party disclosing Confidential Information hereunder.

13.5 "Receiving Party" means the Party receiving any Confidential Information hereunder.

14 OBLIGATIONS TO MAINTAIN CONFIDENTIALITY

14.1 The Receiving Party undertakes to treat the Confidential Information as being strictly private and shall not divulge, disclose or communicate either orally or in writing to any third party or use or exploit for any purpose, other than for the limited purpose for which it is conveyed, any part of the Confidential Information, except with the prior written consent of the Disclosing Party. If the Confidential Information is required to be disclosed to any third party, then the Receiving Party may disclose the Confidential Information to such third party only upon prior written authorization from the Disclosing Party and also provided that such third party enters into to an agreement with the Receiving Party that binds such third party to the same non-disclosure obligations as those contained herein with respect to the Disclosing Party's Confidential Information

14.2 The Receiving Party agrees that Confidential Information may only be disclosed to the

Receiving Party's employees and advisors that are subject to a duty of confidentiality, even then, only to the extent that such employees and advisors have a specific need to know of the Confidential Information for the Evaluation. Before receiving any part of the Confidential Information, Receiving Party will inform its employees and advisors of Receiving Party's duties under this Agreement

14.3 The Receiving Party acknowledges and agrees that the Confidential Information of the Disclosing Party are the sole and exclusive property of the Disclosing Party and that the Disclosing Party owns all world wide copyrights, trade marks, confidential and proprietary information rights, and all other property rights therein

14.4 The Receiving Party acknowledges and agrees that the disclosure of the Confidential Information of the Disclosing Party to the Receiving Party does not confer upon the Receiving Party any license, interest or rights of any kind in or to the Confidential Information.

14.5 The Receiving Party will hold in confidence and not reproduce, distribute, transmit, reverse engineer, de-compile, disassemble, or transfer, directly or indirectly, in any form, by any means, or for any purpose, the Confidential Information of the Disclosing Party or any portion thereof communicated, discussed, delivered or made available by the Disclosing Party to or received by the Receiving Party. Except as set forth as herein, the Receiving Party will not use the Confidential Information of the Disclosing Party or any portion thereof communicated, discussed, delivered or made available by the Disclosing Party to or received by the Receiving Party without the prior written consent of the Disclosing Party

14.6 Each Party shall, upon being so required by the other Party, promptly return to such other Party, all documents and any other material containing the Confidential Information both in soft and hard form without making or retaining a copy thereof.

EXCEPTIONS

Obligations contained herein shall not apply to Confidential Information which:-

- (a) is in the public domain at the time of disclosure to the Parties; or which later becomes part of the public domain through no breach of this Agreement and only after such later date; or
- (b) the Receiving Party can demonstrate to the satisfaction of the Disclosing Party as in its possession prior to disclosure by the other Party or
- (c) is acquired by the Receiving Party from a third party, which has a legal right to disclose such Confidential Information; or

(d) is independently developed, outside this Agreement, by such Receiving Party, through its own expertise; or

(e) is approved for release in writing by the Party which conveyed the Confidential Information to the other Party; or

(f) the Receiving Party is obliged to disclose under law or by the order of a competent Court, Government or any other Regulatory Authority.

15 INFORMAL DISPUTE RESOLUTION

The parties agree to attempt to resolve all disputes arising under the Agreement, equitably, in good faith and using their best endeavors. To this end, the parties agree to provide frank, candid and timely disclosure of all relevant facts, information and documents to facilitate discussions between them/their representatives or senior officers.

16 DISPUTE RESOLUTION BETWEEN KELTRON AND KSITM

In the event of any differences between the parties to this agreement, such differences shall be referred to arbitration by the Secretary (IT), Government of Kerala. The arbitration shall be conducted under the provisions of the Arbitration and Conciliation Act, 1996. The arbitration shall be held in Thiruvananthapuram. The award of the Arbitrator shall be final, conclusive, and binding upon the Parties. Pending the submission of a difference to the arbitrator and thereafter until the final decision of the arbitrator, the parties shall continue to perform all of their obligations under this agreement, without prejudice to a final adjustment in accordance with such decision.

17 FORCE MAJEURE

17.1 For the purpose of this agreement, 'Force Majeure' shall mean an event that is unforeseeable, beyond the control of the parties and not involving the parties' fault or negligence. Such events may include: acts of the Government either in its sovereign or its contractual capacity, war, civil war, insurrection, riots, revolutions, fire, floods, epidemics, quarantine, restrictions, freight, embargoes, radioactivity, earthquakes

17.2 KELTRON shall not be liable if the delay in the discharge of its obligations under this agreement is the result of an event of Force Majeure.

17.3 If a force majeure situation arises, KELTRON shall promptly notify to KSITM in writing of such conditions and the cause thereof. Unless otherwise directed by KSITM in writing, KELTRON shall continue to perform its obligations under this agreement, as far as it is reasonably practical.

18 COMMUNICATION OF NOTICE

Any notice under this agreement shall be in writing and shall either be delivered personally or sent by registered post, facsimile transmission, electronic mail or other means telecommunication in permanent written form at the last known address. The addresses and members for service of notice shall be given to the Parties at their respective addresses set forth below:

Keltron

Managing Director,
Keltron House,
Vellayambalam,
Thiruvananthapuram 695033,
Kerala, India.

KSITM

Director,
Kerala State IT Mission,
ICT Campus,
Vellayambalam,
Thiruvananthapuram – 695 033,
Kerala, India.

19 MISCELLANEOUS PROVISIONS

Affirmation : The parties declare and affirm that neither party nor its directors, employees, any of its agents have paid, not have undertaken to pay and that in the future not pay any unlawful commission, bribe, pay off, kick-backs that it has not in any other way or manner paid any sums, whether in Indian currency or foreign currency and whether in India or abroad, or in any other manner given or offered to give any gifts and presents in India or abroad to any person to company to procure this Agreement. The parties undertake not to engage in any of the said or similar acts

during the term of and relative to this Agreement.

20 HEADINGS:

The headings contained in this agreement are used solely for convenience and do not constitute a part of this Agreement. Nor shall headings be used in any manner to aid in the construction of this Agreement.

21 THIRD PARTIES:

This Agreement is intended solely for the benefit of the parties hereto. Nothing in this Agreement shall be construed to create any duty, or any liability to, any person not a party to this agreement.

22 RELATIONSHIP OF THE PARTIES :

This Agreement shall not be interpreted or construed to create an association, joint venture, or partnership between the parties or to impose any partnership obligation or liability upon either party. Neither party shall have any right, power or authority to enter into any agreement or undertaking, or act on behalf of or to act as or be an agent or representative of, or to otherwise bind, the other party.

23 SURVIVAL:

All provisions of this Agreement, which are expressly or by implication to come into or continue in force and effect after the expiration or termination of this Agreement shall remain in effect and be enforceable following such expiration or termination.

24 ASSIGNMENT:

This Agreement shall not be assigned by either party other than by mutual agreement between the parties in writing.

25 APPLICABLE LAW & JURISDICTION

The Agreement shall be governed in accordance with the appropriate laws of the Republic of India. Only the courts at Thiruvananthapuram, Kerala shall have exclusive jurisdiction to entertain matters

arising out of this agreement.

26 SEVERABILITY AND RENEGOTIATION

Should any provision of this Agreement for any reason be declared invalid or un-enforceable by final and un-expellable order of any Court of competent jurisdiction or any arbitral body pursuant to the provisions of arbitration hereof, such decision shall not affect the validity of the remaining provisions, while remaining provisions shall remain in full force and effect as if this Agreement has been executed with the invalid or unenforceable provisions hereof eliminated. In the event any such provision of the Agreement is so declared invalid or unenforceable, the parties shall promptly renegotiate in good faith new provisions to eliminate such invalidity or un-enforceability and to restore this Agreement as near as possible to its original intent and effect.

27 AMENDMENT TO THE AGREEMENT

27.1 Amendments to the Agreement may be made by mutual agreement by both the Parties. No variation in or modification in the terms of the Agreement shall be made except by written amendment signed by both the parties

27.2 Any reference to this Agreement shall be construed as a reference to such agreement. as the same may from time to time be amended, varied, modified, supplemented.

27.3 All alterations and changes in the Agreement shall take into account the prevailing rules, regulations and laws.

28 DEFAULT AND TERMINATION.

28.1 KSITM without prejudice to any other remedy available for breach of Agreement, may terminate the Agreement, by issuing a Default Notice of one month in writing to Keltron for any or all of the following except for the last Clause below for which no default notice will be given

28.2 If KELTRON fails to provide any or all of the contracted services as per service levels specified in the Agreement.

28.3 If KELTRON fails to perform any other obligation(s) under the Agreement.

28.4 If KELTRON in the judgement of KSITM has engaged in corrupt or fraudulent or illegal practices in obtaining or executing the Agreement.

28.5 Upon the occurrence of an event of default as set out above, a party will deliver a Default Notice in writing to the other party which shall specify the event of default, and give the other party an opportunity to correct the default.

28.6 At the expiry of notice period specified in clauses above, unless the party receiving the Default Notice remedied the default, the party issuing the Default Notice may terminate the Agreement.

28.7 During any Notice Period, both Parties shall, save as otherwise provided herein, continue to perform their respective obligations under the Agreement and shall not, whether by act or omission, impede or otherwise interfere with a party's endeavors to remedy the default which gave rise to the commencement of such Notice Period.

29 TERM AND EXTENSION OF THE AGREEMENT

29.1 This Agreement shall be effective from the date of its signing by all the parties hereto and shall be valid for an initial period of three(3) Years, subsequent to which the Agreement shall be renewed for further period by mutual consent of the parties.

29.2 KELTRON shall notify KSITM in writing, at least One (1) Month before the imminent expiry of any of its liabilities under this agreement
KSITM shall reserve the sole right to grant any change in the terms above mentioned.

29.3 The decision to grant or refuse any change or extension of this Agreement shall be at the sole discretion of KSITM.

29.4 The Parties agree to be bound by the terms and conditions of this Agreement.

In WITNESS WHEREOF, the Parties have here unto set their hands to the day, month and year first above written

Signed by Sri.

Director, KSITM

(PARTY ON ONE PART)

In the presence of witnesses:

1.

2.....

Signed by Sri.....

Managing Director, KELTRON

(PARTY ON THE OTHER PART)

In the presence of witnesses:

1.

2.....

ANNEXURES

1. Annexure-A: MOU signed between KSITM and KELTRON on 16 January 2013
2. Annexure -B : Manpower strength and pattern
3. Annexure-C: Consolidated list of inventory in SDC and NOCs
4. Annexure-D: List of critical items
5. Annexure-E: Scope of work/Services
6. Annexure-F: Deliverables
7. Annexure-G:- GO(Ms) No. 27/12/ITD, dated 07-12-2012.

भारतीय गैर वित्तीय

एक सौ रुपये

Rs. 100

₹. 100

ONE
HUNDRED RUPEESभारत
INDIA NON-FINANCIAL

കേരളം കേരल KERALA

S 022581

This Memorandum of Understanding is made and entered into on this 16th day of January 2013 at Thiruvananthapuram

BETWEEN

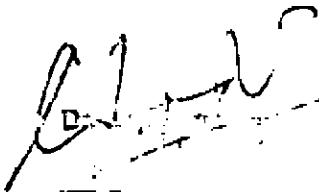
Kerala State IT Mission represented by Dr Jayasankar Prasad. C, Director, Kerala State IT Mission, Thiruvananthapuram, Kerala hereinafter referred to as KSITM at the first part;

AND

Kerala State Electronics Development Corporation represented by Shri. C.PrasannaKumar, Managing Director, Kerala State Electronics Development Corporation hereinafter referred to as KSEDC at the second part

WHEREAS

KSITM a society registered under the Travancore - Cochin literary, Scientific, Charitable Societies act - 1955 (12) has been set up by the Government of Kerala to promote and support all activities in Information Technology with objectives to create Information Technology Infrastructure for promotion of IT Industry in the state of Kerala, Propagate e-Governance across all Government Departments and, to support and assist the Government in building of Information and Communication Technology (ICT) infrastructure to provide services citizens and business.


Dr. Jayasankar Prasad C.
Director
Kerala State IT Mission
Thiruvananthapuram




C.PRASANNAKUMAR
Managing Director

WHEREAS

KELTRON

KELTRON is a Public Sector Organization, which is fully owned by Government of Kerala and is recognized as a Total Solution Provider in the area of Information Technology by Government of Kerala

AND WHEREAS

The State Data Centre (SDC) was setup by Government of Kerala in Thiruvananthapuram to booster the e-Governance activities of the State. The 5000 Sq. Ft. facility is situated at Co-Bank Towers, Palayam, Thiruvananthapuram and is Operational since 2005.

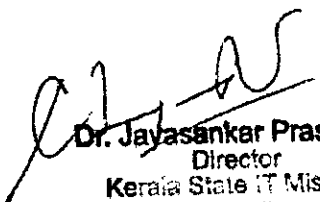
SDC is part of the SII which consists of the State Data Centre Thiruvananthapuram and its Network Operation Centres at Thiruvananthapuram (Co-Bank Towers, Palayam), Cochin (Infopark, Kakkanad) and Calicut (KINFRA Park, Kakkanchery)

The SDC was built, Operated and maintained by M/s Tata Consultancy Services under the auspices of M/s CDAC since December 2009

From December 11th 2009 onwards SDC was Operated and Maintained by M/s Reliance Communications Infrastructure Ltd for a period of 3 years. The tenure of M/s RCIL elapsed on 10th of December 2012

Government of Kerala Vide. G.O (Ms) No. 27/2012/ITD dated 07.12.2012 have issued orders to hand over the operations and maintenance of the State Information Infrastructure (SII) Comprising of the State Data Centre (SDC), Thiruvananthapuram and its Network Operation Centres at Thiruvananthapuram, Cochin, and Calicut on expiry of the contract period of M/s RCIL to KELTRON considering the following;

- KELTRON is the only public sector undertaking under the State Government having strength in management of IT Infrastructure
- KELTRON has with them a pool of engineers with on hand experience in management of Servers and Networking equipments
- Engineers in the networking group of KELTRON can handle the routers and other Network related equipments since more than 50% of the servers Co-Located in SDC were supplied and managed by KELTRON


Dr. Jayasankar Prasad. C
Director
Kerala State IT Mission
ICT Campus, Vellayambalam
Thiruvananthapuram


C. PRASANNAKUMAR
Managing Director

- KELTRON will be handling the entire infrastructure management with its own staff and without opting the sub contract route

AND WHEREAS

Now it is hereby agreed to by and between the parties as under

Roles and responsibilities of KSITM

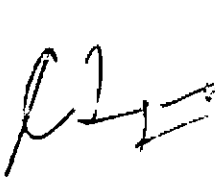
- KSITM shall takes immediate steps with Government regarding all matters wherein Government approval is required
- Payment of Manpower charges required for the O&M of SDC within 3 weeks of receipt of invoice from KELTRON
- Imprest money will be released for the reimbursement of reccuring charges like Electricity, Telephone, Diesel etc as per request from KELTRON. The payment receipts in original should be attached with the invoice for settling the imprest money
- Other payments required for the Up gradation / Modification / Replacement of equipments etc at the SDC by KELTRON after obtaining prior approval from KSITM.

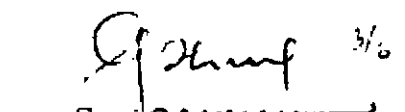
Roles and responsibilities of KELTRON

- Take over of SDC from the current Data Centre Operator (DCO) M/s Reliance Communications Infrastructure Ltd
- Ensure all modalities / Procedure for a smooth and effective transition
- Ensure 24*7 Manpower for the Operation and Maintenance, security etc of the SDC and NOCs from the date of take over / signing of this MOU, which ever is earlier. The details of Assests in SDC and NOCs will be obtained by KELTRON and would be annexed to this MoU within 3 weeks
- Ensure AMC and Operation and Maintenance of all IT / Non-IT and other equipments at the SDC and NOCs as described in annexure I from the date of take over / signing of this MOU, which ever is earlier
- Payment of recurring charges like Electricity, Diesel, Telephone etc which are required for the normal operation of SDC and NOCs from the imprest money from KSITM
- Suggest modifications / other works required for the smooth, efficient and effective functioning of the State Data Centre

Operation Uptime

- KELTRON should ensure 99.5% uptime calculated monthly, separately for State Data Centre at Thiruvananthapuram and Network Operation


Dr. Jayasankar Prasad, C
 Director
 Kerala State IT Mission
 ICT Campus, Vellayambalam
 Thiruvananthapuram


SANNAKUMAR
 Managing Director

Centres at Thiruvananthapuram, Cochin and Calicut. The uptime is to be calculated using the monitoring tools available at the SDC. The reports should be submitted along with payment invoices.

- Maximum downtime on single occasion for critical components is 2 hours
- Maximum down time on single occasion for non-critical components is 24 hours
- The details of Critical and non-Critical components are enclosed as Annexure

Penalty

- For every extra 0.2% reduction from the committed 99.5% uptime a deduction of 1% of AMC and operational and maintenance charges for the corresponding month
- Planned / Maintenance downtime approved by KSITM shall not be treated for calculating penalties
- If the uptime is less than 95% for any month KSITM has right to terminate this MoU
- Rs.5000 per event will be deducted for single occasion downtime. An event means downtime up to maximum permitted downtime.

Dispute Resolution

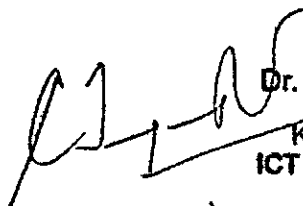
Any dispute or differences arising in connection with this MOU shall be settled by mutual discussions between the KSITM and KELTRON.

Deviations

The parties hereto shall mutually decide on all aspects where this MOU is silent, or in special cases of deviation from the terms and conditions stipulated herein

Force Majeure

For the purpose of this MoU Force Majeure shall mean an event that is unforeseeable, beyond the control of parties and not involving the parties negligence. Such events may include: Acts of the Government either in its sovereign or its contractual capacity, war, civil war, insurrection riots,


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Director
Kerala State IT Mission
ICT Campus, Vellayambalam
Thiruvananthapuram


C. PRASANNAKUMAR
Managing Director

revolutions, fire, floods, epidemics, quarantine, restrictions, freight, embargoes, radioactivity, earthquakes.

KELTRON shall not be responsible if the delay in discharge of its obligations under this agreement is the result of an event of Force Majeure

If a Force Majeure situation arises. KELTRON shall promptly notify to KSITM in writing of such conditions and the cause thereof. Unless otherwise directed by KSITM in writing, KELTRON shall continue to perform its obligations under this MoU, as far as it is reasonably practical.

Suspension & Cancellation

Either of the party may at any time by giving at least six months notice or as agreed mutually to the other suspend /cancel the arrangement as agreed to under this MOU.

Validity

This MOU shall be effective from the date of its signing by all the parties hereto and shall be valid for an initial period of 5 Years, subsequent to which the MOU shall be reviewed

Arbitration

In the event of any dispute or difference arising out of or in any way relating to or concerning these presents or effects of these presents, the same shall be referred to the sole arbitration of a person to be appointed by the Chairman, Executive Committee, KSITM and Managing Director, KELTRON. KSITM and KELTRON shall not raise any objection to such appointment on the ground that such sole arbitrator is a Government servant or that in the course of his duties as such Government servant he had expressed views on all or any of the matter in dispute or difference. In the event of such arbitrator being transferred or vacates his office or refuses or is unable to act as such for any reason whatsoever, it shall

Dr. Jayasankar Prasad. C
Director
Kerala State IT Mission
ICT Campus, Vellayambalam
Thiruvananthapuram

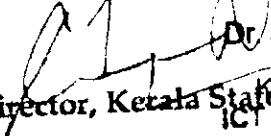
E. PRASANNAKUMAR
Managing Director

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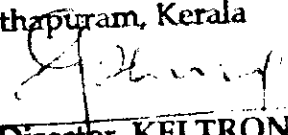
be open to the Chairman, Executive Committee, KSITM, and Managing Director, KELTRON to appoint another person in his place. The arbitrator so appointed shall be entitled to proceed with the reference from the stage at which it was pending. The arbitrator may, with the consent of all the parties to these presents, extend the time for making the award. The award of the arbitrator shall be final and binding on the parties to these presents. Save as aforesaid, the Arbitration and Conciliation Act, 1996 (Central act 26 of 1996) and the rules made there under shall apply to the arbitration proceedings under this clause.

In witness whereof the parties hereto have executed this agreement in duplicate on the day & the year hereinafter indicated.

On behalf of Kerala State IT Mission, Trivandrum, Kerala

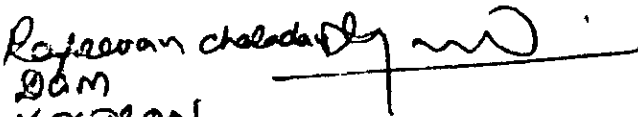

Dr. Jayasankar Prasad. C.
Director
Kerala State IT Mission
ICT Campus, Vellayambalam
Thiruvananthapuram
Date :

On behalf of Kerala State Electronics Development Corporation,
Thiruvananthapuram, Kerala


Managing Director, KELTRON
C. PRASANNAKUMAR
Managing Director
Date:

Witnesses:

1) Name & Designation
Full Address:


Rajeevan Cheladady
DGM
KELTRON

Signature

2) Name & Designation
Full Address:

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ANNEXURE - B

Maximum Strength and Details

Sl.no	Post	Strength
1	Project Manager (Experience > 6 yrs)	1
2	Network administrator (Exp 2 - 6 yrs)	5
3	Network administrator (Exp 1 - 2 yrs)	4
4	System administrator (Exp 2 - 6 yrs)	2
5	System administrator (Exp 1 - 2 yrs)	1
6	Database administrator (Exp 2 - 6 yrs)	3
7	Database administrator (Exp 1 - 2 yrs)	1
8	Electrical Engineer (Exp 2 - 6 yrs)	1
9	Electrical Engineer (Exp 1 - 2 yrs)	1
10	Electrician	9
11	Housekeeping	3
12	Security	9
	Total	40

ANNEXURE - C

Schedule 1 - BOM

Inventory list		Kozhikode NOC - as on 31 Dec 2012				
1. IT Hardware		* folder 2, network, folder 1				
#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
1	Cisco	Cisco 7204VXR,4-Slot chassis,1 AC Supply w/IP Software	CISCO7204VXR	Nos	1	74203761
2	Cisco	CISCO 7200 AC Power Supply Option	PWR-7200	Nos	1	NA
3	Cisco	CISCO 7200 Dual AC Power Supply Option,280W	PWR-7200/2	Nos	1	NA
4	Cisco	Power Cord UK	CAB-ACU	Nos	1	NA
5	Cisco	Cisco 7200 Series IOS SERVICE PROVIDER/SECURE SHELL 3DES	S72ZK91-122185	Nos	1	NA
6	Cisco	7200 Networking Processing Engine with 3 GE/FE/E Ports	NPE-G1	Nos	1	NA
7	Cisco	Two 128MB mem modules (256MB total)for NPE-G1 in 7200	MEM-NPE-G1-256MB	Nos	1	NA
8	Cisco	Cisco 7200 Compact Flash Disk for NPE-G1,64 MB Option	MEM-NPE-G1-FLD64	Nos	1	NA
9	Cisco	8 port MultiChannel E1 port adapter with G.703 120 ohm interf	PA-MC-8TE1+	Nos	1	JAE0826MVQZ
10	Cisco	8 port MultiChannel E1 port adapter with G.703 120 ohm interf	PA-MC-8TE1+	Nos	1	JAE0935KE2U
11	Cisco	Cisco 7204VXR,4-Slot chassis,1 AC Supply w/IP Software	CISCO7204VXR	Nos	1	74203763
12	Cisco	CISCO 7200 AC Power Supply Option	PWR-7200	Nos	1	NA
13	Cisco	CISCO 7200 Dual AC Power Supply Option,280W	PWR-7200/2	Nos	1	NA
14	Cisco	Power Cord UK	CAB-ACU	Nos	1	NA
15	Cisco	Cisco 7200 Series IOS SERVICE PROVIDER/SECURE SHELL 3DES	S72ZK91-122185	Nos	1	NA
16	Cisco	7200 Networking Processing Engine with 3 GE/FE/E Ports	NPE-G1	Nos	1	NA
17	Cisco	Two 128MB mem modules (256MB total)for NPE-G1 in 7200	MEM-NPE-G1-256MB	Nos	1	NA
18	Cisco	Cisco 7200 Compact Flash Disk for NPE-G1,64 MB Option	MEM-NPE-G1-FLD64	Nos	1	NA
19	Cisco	8 port MultiChannel E1 port adapter with G.703 120 ohm interf	PA-MC-8TE1+	Nos	1	JAE072407B7
20	Cisco	7200VXR Bundle with NPE-225 and I/O Controller with 2 FE/E	CISCO7204VXR/225	Nos	1	74204596
21	Cisco	CISCO 7200 AC Power Supply Option	PWR-7200	Nos	1	NA
22	Cisco	CISCO 7200 Dual AC Power Supply Option,280W	PWR-7200/2	Nos	1	NA
23	Cisco	Power Cord UK	CAB-ACU	Nos	1	NA
24	Cisco	Cisco 7200 Series IOS SERVICE PROVIDER/SECURE SHELL 3DES	S72ZK91-122185	Nos	1	NA
25	Cisco	Cisco 7200 I/O PCMCIA Flash Disk,48 MB Option (Default)	MEM-I/O--D-FLD48M	Nos	1	NA
26	Cisco	256MB Memory for NPE-225,NPE-300, or NSE-1 in 7200 Series	MEM-SD-NSE-256MB	Nos	1	NA
27	Cisco	8 port MultiChannel E1 port adapter with G.703 120 ohm interf	PA-MC-8TE1+	Nos	1	JAE0842YQ50
28	Cisco	8 port MultiChannel E1 port adapter with G.703 120 ohm interf	PA-MC-8TE1+	Nos	1	JAE11097G3R
29	Cisco	7200VXR Bundle with NPE-225 and I/O Controller with 2 FE/E	CISCO7204VXR/225	Nos	1	74204569
30	Cisco	CISCO 7200 AC Power Supply Option	PWR-7200	Nos	1	NA
31	Cisco	CISCO 7200 Dual AC Power Supply Option,280W	PWR-7200/2	Nos	1	NA
32	Cisco	Power Cord UK	CAB-ACU	Nos	1	NA
33	Cisco	Cisco 7200 Series IOS SERVICE PROVIDER/SECURE SHELL 3DES	S72ZK91-122185	Nos	1	NA
34	Cisco	Cisco 7200 I/O PCMCIA Flash Disk,48 MB Option (Default)	MEM-I/O--D-FLD48M	Nos	1	NA
35	Cisco	256MB Memory for NPE-225,NPE-300, or NSE-1 in 7200 Series	MEM-SD-NSE-256MB	Nos	1	NA
36	Cisco	8 port MultiChannel E1 port adapter with G.703 120 ohm interf	PA-MC-8TE1+	Nos	1	JAE0842YQ01
37	Cisco	AC AS5350; 2E1, 60ports, IP+IOS, 60 Data Lic	AS535-2E1-60-AC	Nos	1	JAB0839403D
38	Cisco	Cisco AS5300 Series IOS IP PLUS	S535CP-12301	Nos	1	NA
39	Cisco	AS5350 AC Redundant Power Supply	AS535-AC-RPS	Nos	1	NA
40	Cisco	Redundant PS AC Power Cord,UK 220V	CAB-ACU	Nos	1	NA
41	Cisco	AC AS5350; 2E1, 60ports, IP+IOS, 60 Data Lic	AS535-2E1-60-AC	Nos	1	JAB0839402A
42	Cisco	Cisco AS5300 Series IOS IP PLUS	S535CP-12301	Nos	1	NA
43	Cisco	AS5350 AC Redundant Power Supply	AS535-AC-RPS	Nos	1	NA
44	Cisco	Redundant PS AC Power Cord,UK 220V	CAB-ACU	Nos	1	NA
45	Cisco	PIX 515E-UR Bundle (Chassis,Unrestricted SW, 2 FE, VAC+)	PIX-515E-UR-BUN	Nos	1	88808464790
46	Cisco	PIX 515E-UR Bundle (Chassis,Failover SW, 2 FE ports , VAC)	PIX-515E-FO-BUN	Nos	1	NA
47	Cisco	PIX 515E 3DES/AES VPN/SSH/SSL encryption licence	PIX-515-VPN-3DES	Nos	2	NA
48	Cisco	PIX 515E-UR Bundle (Chassis,Unrestricted SW, 2 FE, VAC+)	PIX-515E-UR-BUN	Nos	1	88808451803
49	Cisco	PIX 515E-UR Bundle (Chassis,Failover SW, 2 FE ports , VAC)	PIX-515E-FO-BUN	Nos	1	NA
50	Cisco	PIX 515E 3DES/AES VPN/SSH/SSL encryption licence	PIX-515-VPN-3DES	Nos	2	NA
51	Cisco	Content Engine 565, AC Pwr, ACNS.Also runs as CDM or CR	CE-565-K9	Nos	1	KP-YP426
52	Cisco	36 GB SCSI Disk Drive for CE-565	CE-565-DISK-36GB	Nos	1	NA

#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
53	Cisco	OEM,IBM,AC Power Cord UK	CAB-OEM-IBM-ACU	Nos	1	NA
54	Cisco	^ACNS Combined Enterprise Caching And ECDN Software v5.0 3DES	SF-ACNS-5.0-K9	Nos	1	NA
55	Cisco	Cat 6506 Chassis, 6 Slot, 12 RU, No Pow Supply, No Fan Tray	WS-C6506	Nos	1	SAL08290K9B
56	Cisco	Catalyst 6000 SUP2/MSFC2 IOS SERVICE PROVIDER W/WIP	S6S22ZV-12122E	Nos	1	NA
57	Cisco	Catalyst 6500 48-port 10/100/1000 GE Mod, RJ-45	WS-X6148-GE-TX	Nos	1	SAD083008G1
58	Cisco	Catalyst 6500 Supervisor Engine-2, 2GE, plus MSFC-2 /PFC-2	WS-X6K-S2-MSFC2	Nos	1	SAL08311EDA
59	Cisco	*Cat 6500 Red. Sup.2, 2GE, MSFC-2 and PFC-2 (In Chassis Only)	WS-X6K-S2-MSFC2/2	Nos	1	SAL08332907
60	Cisco	Catalyst 6000 2500W AC Power Supply	WS-CAC-2500W	Nos	1	NA
61	Cisco	Catalyst 6000 Second 2500W AC Power	WS-CAC-2500W/2	Nos	1	NA
62	Cisco	Power Cord, 250Vac 16A,INTL	CAB-AC-2500W-INT	Nos	1	NA
63	Cisco	Catayst 6509 High Speed Fan Tray	WS-C6K-9SLOT-FAN2	Nos	1	NA
64	Cisco	24 port, 10/100 Catalyst Switch, Standard Image Only	WS-C2950-24	Nos	1	FOC0836Z2JP
65	CISCO	UBR905 -Packaged As One Individual Unit	UBR905-SINGLE-1PK	Nos	1	CAT0814W0J4
66	CISCO	Cisco uBR925 Ser IOS PERF TELECOMMUTER/FW/IPSEC 3DES	S95C8K9-12213T	Nos	1	NA
67	NORTEL	Nortel 2526 T Switches	AL2500201-E6	Nos	1	LBNNTMMD440V8C
68	NORTEL	Nortel 2526 T Switches	AL2500201-E6	Nos	1	LBNNTMMD440V83
69	DELL	NMS-SERVER 01--PowerEdge-1750		Nos	1	1RKBC1S
70	HCL	HCL PC		Nos	1	
71	HCL	HCL PC		Nos	1	
72	HP	HP Laserjet 1320		Nos	1	
73	HCL	HCL PC		Nos	1	

2. BMS

#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
A	Honeywell	Fire Detection System				
1		Analog addressable single loop fire alarms panel with 24 v, 7 AH battery		Nos	1	
2		Analog addressable photo electric smoke detector		Nos	25	
3		Addressable input module for monitoring FM 200/ NAFSIII/ Inergen		Nos	1	
4		Addressable manual call point		Nos	2	
5		Addressable loop powered sounder		Nos	3	
6		Short circuit isolators		Nos	2	
7		2c x 1.5 sqmm armored FRLS cable		mts	232.5	
8		BMS PC		Nos	1	
B	Honeywell	Access Control System				
1		Smart card biometric finger print reader with PIN		Nos	1	
2		Smart card reader cum controller		Nos	9	
3		Smart cards		Nos	29	
4		Electromagnetic lock		Nos	9	
5		Magnetic contact		Nos	9	
6		Emergency lock release		Nos	2	
7		Release Switch		Nos	9	
8		Access control and time attendance software (copy)		Nos	1	
9		PC for access control system		Nos	1	
C	Honeywell	CCTV Surveillance System				
1		1/4" CCD Color dome camera with built in 3.7mm lens		Nos	9	
2		Power supply unit with battery		Nos	2	
3		16 channel digital color duplex multiplex recorder with 40GB HDD		Nos	1	
4		22" Color TV		Nos	2	
5		RG59 video coaxial cable in PVC conduit		mts	202	
D	Honeywell	Fire Suppression System				
1		1 no seamless master cylinder 27 ltrs		Nos	1	
2		14 kgs NAFS III gas		Nos	1	
3		Discharge nozzle		Nos	3	
4		Piping ASTM grade A 106 sch 40 with fittings and support		Nos	1	
5		2 Zone gase release panel with battery back up		Nos	1	
6		2kg capacity CO2 type fire extinguisher		Nos	1	
7		3.2kg capacity CO2 type fire extinguisher		Nos	4	
E	Honeywell	Water Leak Detection System				
1		4 zones control panel for water leak detection with battery backup		Nos	1	
2		Water leak detector tape		mts	35	
3		Water leak detection module			3	
F	Honeywell	Rodent Repeller				
1		Rodent Repeller			1	
G	BMS Room Panels					
1		GAS RELEASE PANEL BOARD	SAFEWAY SECURITY SYSTEMS	Nos	4	361852004
2		FIRE CONTROLL PANEL BOARD	HONEYWELL			132391/1/0409/1

#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
3		RODENT REPELLER	MASER ELECTRONICS PVT LTD.			4151
4		WATER DETECTOR PANEL	HONEYWELL			
3. Non IT equipments # folder 4						
#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
1		DG Set		Nos	1	
	Cummins	Engine				62356080
		MODEL	6BT 5.9G1			
		Crankshaft endplay	007"INCH			
		Cooling system	RADIATOR			
		Type of coupling	DIRECT			
		Governor Type	MECHANICAL			
	STAMFORD	Alternator				
		FRAME	UL220461			4081193
		KW/KVA	82.5 kVA			
		FULL LOAD AMPS	115 AMPS			
		AVR TYPE	SX440			
		SECOND LINE FRAME TYPE	2244GI			
	POWERICA LTD	Control Panel				T/D2004-10/24/321
		TYPE	AMF			
		SWITCH GEAR	IP CONTACTOR			
		KWH METER MAKE	L&T ACRUX			4713629
		C.T RATIO	150/5 AMPS - 40/5.			
		AMF UNIT	BE21			
2	CARRIER	Air conditioner		Nos	3	
		MODEL	VERSATECH			
		SRL NO A/C UNIT INDOOR 1				500012733041000351
		SRL NO A/C UNIT INDOOR 2				500012733041000352
		SRL NO A/C UNIT INDOOR 3				500012733041000353
		SRL NO A/C OUTDOOR UNIT 1				500007633041000429
		SRL NO A/C OUTDOOR UNIT 2				500007633041000310
		SRL NO A/C OUTDOOR UNIT 3				500007633041000435
3	EMERSON	UPS		Nos	2	
		MODEL	SUPER 400 - S410			
		CAPACITY	10 KVA			
			UPS1			2004295448
			UPS2			2004295446
4	LG	22 inch LCD TV		Nos	1	
		TYPE	22LK311-TB			107PLUH063166
5		Server Racks		Nos	5	
	RITTAL	SERVER RACK 38U				
4. Other Items # folder 4						
#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
1		Table		Nos	5	
2		Chair (Godrej)		Nos	15	
3		Telephone		Nos	9	
4		Dust bin		Nos	4	
5		Book shelf		Nos	1	
6		Shoe rack with cushion		Nos	1	
7		Torch		Nos	1	
8		Air curtain		Nos	1	
9		Starewell - Godrej		Nos	1	
5. Co-located equipments # folder 4						
#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
1		HP server DL 380-G5 Sl no. - recd from UTL		Nos	1	SGH7276DFV
2		RAD - 5 nos		Nos	5	
3		ISDN adapter - 1 no - recd from BSNL?		Nos	1	
4		E1 converter - Gateway - 2 nos - recd from BSNL		Nos	2	
6. IT Faulty items # folder 7						
#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
1		CDAC IP Phone		Nos	1	

Inventory list

Ernakulam NOC - as on 31 Dec 2012

1. IT Hardware

folder 3, net

#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
1	Cisco	Cisco 7204VXR,4-Slot chassis,1 AC Supply w/IP Software	CISCO7204VXR	Nos	1	74203764
2	Cisco	CISCO 7200 AC Power Supply Option	PWR-7200	Nos	1	NA
3	Cisco	CISCO 7200 Dual AC Power Supply Option,280W	PWR-7200/2	Nos	1	NA
4	Cisco	Power Cord UK	CAB-ACU	Nos	2	NA
5	Cisco	Cisco 7200 Series IOS SERVICE PROVIDER/SECURE SHELL 3DES	S72ZK91-122185	Nos	1	NA
6	Cisco	7200 Networking Processing Engine with 3 GE/FE/E Ports	NPE-G1	Nos	1	NA
7	Cisco	Two 128MB mem modules (256MB total)for NPE-G1 in 7200	MEM-NPE-G1-256MB	Nos	1	NA
8	Cisco	Cisco 7200 Compact Flash Disk for NPE-G1,64 MB Option	MEM-NPE-G1-FLD64	Nos	1	NA
9	Cisco	8 port MultiChannel E1 port adapter with G.703 120 ohm interf	PA-MC-8TE1+	Nos	1	JAE0841Y2TP
10	Cisco	Cisco 7204VXR,4-Slot chassis,1 AC Supply w/IP Software	CISCO7204VXR	Nos	1	74203734
11	Cisco	CISCO 7200 AC Power Supply Option	PWR-7200	Nos	1	NA
12	Cisco	CISCO 7200 Dual AC Power Supply Option,280W	PWR-7200/2	Nos	1	NA
13	Cisco	Power Cord UK	CAB-ACU	Nos	2	NA
14	Cisco	Cisco 7200 Series IOS SERVICE PROVIDER/SECURE SHELL 3DES	S72ZK91-122185	Nos	1	NA
15	Cisco	7200 Networking Processing Engine with 3 GE/FE/E Ports	NPE-G1	Nos	1	NA
16	Cisco	Two 128MB mem modules (256MB total)for NPE-G1 in 7200	MEM-NPE-G1-256MB	Nos	1	NA
17	Cisco	Cisco 7200 Compact Flash Disk for NPE-G1,64 MB Option	MEM-NPE-G1-FLD64	Nos	1	NA
18	Cisco	8 port MultiChannel E1 port adapter with G.703 120 ohm Interf	PA-MC-8TE1+	Nos	1	JAE0841Y4VN
19	Cisco	7200VXR Bundle with NPE-225 and I/O Controller with 2 FE	CISCO7204VXR/225	Nos	1	74204574
20	Cisco	CISCO 7200 AC Power Supply Option	PWR-7200	Nos	1	NA
21	Cisco	CISCO 7200 Dual AC Power Supply Option,280W	PWR-7200/2	Nos	1	NA
22	Cisco	Power Cord UK	CAB-ACU	Nos	2	NA
23	Cisco	Cisco 7200 Series IOS SERVICE PROVIDER/SECURE SHELL 3DES	S72ZK91-122185	Nos	1	NA
24	Cisco	Cisco 7200 I/O PCMCIA Flash Disk,48 MB Option (Default)	MEM-I/O-D-FLD48M	Nos	1	NA
25	Cisco	256MB Memory for NPE-225,NPE-300,NSE-1 in 7200 Series	MEM-SD-NSE-256MB	Nos	1	NA
26	Cisco	8 port MultiChannel E1 port adapter with G.703 120 ohm interf	PA-MC-8TE1+	Nos	1	JAE0824LFEX
27	CISCO	8 port MultiChannel E1 port adapter with G.703 120 ohm Interf	PA-MC-8TE1+	Nos	1	JAE1117ETW1
28	Cisco	7200VXR Bundle with NPE-225 and I/O Controller with 2 FE	CISCO7204VXR/225	Nos	1	74204583
29	Cisco	CISCO 7200 AC Power Supply Option	PWR-7200	Nos	1	NA
30	Cisco	CISCO 7200 Dual AC Power Supply Option,280W	PWR-7200/2	Nos	1	NA
31	Cisco	Power Cord UK	CAB-ACU	Nos	2	NA
32	Cisco	Cisco 7200 Series IOS SERVICE PROVIDER/SECURE SHELL 3DES	S72ZK91-122185	Nos	1	NA
33	Cisco	Cisco 7200 I/O PCMCIA Flash Disk,48 MB Option (Default)	MEM-I/O-D-FLD48M	Nos	1	NA
34	Cisco	256MB Memory for NPE-225,NPE-300,NSE-1 in 7200 Series	MEM-SD-NSE-256MB	Nos	1	NA
35	Cisco	8 port MultiChannel E1 port adapter with G.703 120 ohm interf	PA-MC-8TE1+	Nos	1	JAE090761LD
36	CISCO	8 port MultiChannel E1 port adapter with G.703 120 ohm interf	PA-MC-8TE1+	Nos	1	JAE0935KE05
37	Cisco	AC A55350; 2E1, 60ports, IP+IOS, 60 Data Lic	A5535-2E1-60-AC	Nos	1	JAB0839401D
38	Cisco	Cisco A55300 Series IOS IP PLUS	S535CP-12301	Nos	1	NA
39	Cisco	A55350 AC Redundant Power Supply	A5535-AC-RPS	Nos	1	NA
40	Cisco	Redundant PS AC Power Cord,UK 220V	CAB-AC-RPS-UK	Nos	1	NA
41	Cisco	AC A55350; 2E1, 60ports, IP+IOS, 60 Data Lic	A5535-2E1-60-AC	Nos	1	JAB06124078
42	Cisco	Cisco A55300 Series IOS IP PLUS	S535CP-12301	Nos	1	NA
43	Cisco	A55350 AC Redundant Power Supply	A5535-AC-RPS	Nos	1	NA
44	Cisco	Redundant PS AC Power Cord,UK 220V	CAB-AC-RPS-UK	Nos	1	NA
45	Cisco	PIX 515E-UR Bundle (Chassis,Unrestricted SW, 2 FE, VAC+)	PIX-515E-UR-BUN	Nos	1	88808464786
46	Cisco	PIX 515E-UR Bundle (Chassis,Fallover SW, 2 FE ports, VAC	PIX-515E-FO-BUN	Nos	1	88808457807

#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
47	Cisco	PIX 515E 3DES/AES VPN/SSH/SSL encryption licence	PIX-515-VPN-3DES	Nos	2	NA
48	Cisco	Content Engine 565, AC Pwr, ACNS.Also runs as CDM or CR	CE-565-K9	Nos	1	KPYP432
49	Cisco	36 GB SCSI Disk Drive for CE-565	CE-565-DISK-36GB	Nos	2	NA
50	Cisco	OEM,IBM,AC Power Cord UK	CAB-OEM-IBM-ACU	Nos	1	NA
51	Cisco	^ACNS Combined Enterprise Caching And ECDN Software v5.0 3DES	SF-ACNS-5.0-K9	Nos	1	NA
52	Cisco	Cat 6506 Chasis, 6 Slot, 12 RU, No Pow Supply, No Fan Tray	WS-C6506	Nos	1	SAL08290K7V
53	Cisco	Catalyst 6000 SUP2/MSFC2 IOS SERVICE PROVIDER W/VIP	S6522ZV-12122E	Nos	1	NA
54	Cisco	Catalyst 6500 48-port 10/100/1000 GE Mod, RJ-45	WS-X6148-GE-TX	Nos	1	SAD081504VR
55	Cisco	Catalyst 6500 Supervisor Engine-2, 2GE, plus MSFC-2 /PFC-2	WS-X6K-S2-MSFC2	Nos	1	SAL083221QD
56	Cisco	*Cat 6500 Red. Sup2, 2GE, MSFC-2 and PFC-2 (In Chassis Only)	WS-X6K-S2-MSFC2/2	Nos	1	NA
57	Cisco	Catalyst 6000 2500W AC Power Supply	WS-CAC-2500W	Nos	1	NA
58	Cisco	Catalyst 6000 Second 2500W AC Power	WS-CAC-2500W/2	Nos	1	NA
59	Cisco	Power Cord, 250Vac 16A,INTL	CAB-AC-2500W-INT	Nos	2	NA
60	Cisco	Catayst 6509 High Speed Fan Tray	WS-C6K-9SLOT-FAN2	Nos	1	NA
61	Cisco	24 port, 10/100 Catalyst Switch, Standard Image Only	WS-C2950-24	Nos	1	FOC0836Y2S6
62	NORTEL	Nortel 2526 T Switches-1(KOC TO CALI)	AL2500201-E6	Nos	1	LBNNTMMD440V7T
63	NORTEL	Nortel 2526 T Switches-2(KOC TO TVM)	AL2500201-E6	Nos	1	LBNNTMMD440V7R
64	DELL	NMS-SERVER 01---PowerEdge-1750		Nos	1	B6JBC15
65	CISCO	UBR905 -Packaged As One Individual Unit	UBR905-SINGLE-1PK	Nos	1	CAT0837W0WW
66	HCL	HCL PC		Nos	1	
67	HCL	HCL PC		Nos	1	
68	HP	HP Laserjet 1320		Nos	1	

2. BMS

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#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
A	Honeywell	Fire Detection System				
1		Analog addressable single loop fire alarms panel with 24 v, 7 AH battery		Nos	1	
2		Analog addressable photo electric smoke detector		Nos	25	
3		Addressable input module for monitoring FM 200/ NAFSIII/ Inergen		Nos	1	
4		Addressable manual call point		Nos	2	
5		Addressable loop powered sounder		Nos	3	
6		Short circuit isolators		Nos	2	
7		2c x 1.5 sqmm armored FRLS cable		mts	304	
8		BMS PC		Nos	1	
B	Honeywell	Access Control System				
1		Smart card biometric finger print reader with PIN		Nos	1	
2		Smart card reader cum controller		Nos	9	
3		Smart cards		Nos	27	
4		Electromagnetic lock		Nos	8	
5		Magnetic contact		Nos	8	
6		Emergency lock release		Nos	2	
7		Release Switch		Nos	5	
8		Access control and time attendance software		Nos	1	
9		PC for access control system		Nos	1	
C	Honeywell	CCTV Surveillance System				
1		1/4" CCD Color dome camera with built in 3.7mm lens		Nos	9	
2		Power supply unit with battery		Nos	2	
3		16 channel digital color duplex multiplex recorder with 40GB HDD		Nos	1	
4		22" Color TV		Nos	2	
5		RG59 video coaxial cable in PVC conduit		mts	172	
D	Honeywell	Fire Suppression System				
1		1 no seamless master cylinder 40.6 ltrs		Nos	1	

#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
2		14 kgs NAFS III gas		Nos	1	
3		Discharge nozzle		Nos	3	
4		Piping ASTM grade A 106 sch 40 with fittings and support		Nos	1	
5		2 Zone gas release panel with battery back up		Nos	1	
6		2kg capacity CO2 type fire extinguisher		Nos	1	
7		3.2kg capacity CO2 type fire extinguisher		Nos	4	
E	Honeywell	Water Leak Detection System		Nos		
1		4 zones control panel for water leak detection with battery backup		Nos	1	
2		Water leak detector tape		mts	30	
3		Water leak detection module			2	
F	Honeywell	Rodent Repeller				
1		Rodent Repeller			1	
G		BMS Room Panels		Nos	4	
1		GAS RELEASE PANEL BOARD	SAFEMWAY SECURITY SYSTEMS			3621S52004
2		FIRE CONTROLL PANEL BOARD	HONEYWELL			131441/1/0409/1
3		RODENT REPELLER	MASER ELECTRONICS PVT LTD.			4152
4		WATER DETECTOR PANEL	HONEYWELL			

3. Non IT equipments

folder 4

#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
1		DG Set		Nos	1	
	CUMMINS	Engine				62361868
		MODEL	6BT 5.9G1			
		CRANKSHAFT ENDPLAY	007"INCH			
		COOLING SYSTEM	RADIATOR			
		TYPE OF COUPLING	DIRECT			
		GOVERNOR TYPE	MECHANICAL			
	STAMFORD	Alternator				4090235
		FRAME	UC2244G1			
		KW/KVA	82.5 KVA			
		FULL LOAD AMPS	115 AMPS			
		AVR TYPE	SX440			
	POWERICA LTD	Control Panel				T/D2004-10/25/322
		TYPE	AMF			
		SWITCH GEAR	P CONTACTOR			
		KWH METER MAKE	L&T ACRUX			
		SRL NO	4718033			4718033
		C.T RATIO	150/5 AMPS			
		AMF UNIT	BE21			
2	CARRIER	Air conditioner		Nos	3	
		MODEL	VERSATECH			
		SRL NO A/C UNIT INDOOR 1				50001273204100031
		SRL NO A/C UNIT INDOOR 2				50001273204100030
		SRL NO A/C UNIT INDOOR 3				50001273204100030
		SRL NO A/C OUTDOOR UNIT 1				50000763204100039
		SRL NO A/C OUTDOOR UNIT 2				50000763204100036
		SRL NO A/C OUTDOOR UNIT 3				50000763204100039
3	EMERSON	UPS		Nos	2	
		MODEL	SUPER 400 - S410			
		CAPACITY	10 KV			
			UPS1			2004295445
			UPS2			2004295447
4	LG	22 inch LCD TV		Nos	1	
		TYPE	22LK311-TB			
5	Rack	Server Racks				
	RITTAL	SERVER RACK 36U		Nos	6	

4. Other Items

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#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
1		Table		Nos	4	
2		Chair (Godrej)		Nos	13	
3		Telephone		Nos	8	
4		Dust bin		Nos	4	

#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
5		Book shelf		Nos	1	
6		Teapoy		Nos	1	
7		Shoe rack with cushion		Nos	1	
8		Torch		Nos	1	
9		Exhaust fan		Nos	1	
10		Air curtain		Nos	1	
11		Storewell - Godrej		Nos	1	
12		Ladder		Nos	1	
5. IT Faulty items						# folder
#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
1		CDAC IP Phone		Nos	1	

Inventory list

Trivandrum NOC - as on 31 Dec 2012

1. IT Hardware			# folder 3, network, folder 1			
#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
1	CISCO	Cisco 7204VXR,4-Slot chassis,1 AC Supply w/IP Software	CISCO7204VXR	Nos	1	74204587
2	CISCO	CISCO 7200 AC Power Supply Option	PWR-7200	Nos	1	NA
3	CISCO	CISCO 7200 Dual AC Power Supply Option,280W	PWR-7200/2	Nos	1	NA
4	CISCO	Power Cord UK	CAB-ACU	Nos	2	NA
5	CISCO	Cisco 7200 Series IOS SERVICE PROVIDER/SECURE SHELL 3DES	S722K91-122185	Nos	1	NA
6	CISCO	7200 Networking Processing Engine with 3 GE/FE/E Ports	NPE-G1	Nos	1	NA
7	CISCO	Two 128MB mem modules (256MB total)for NPE-G1 in 7200	MEM-NPE-G1-256MB	Nos	1	NA
8	CISCO	Cisco 7200 Compact Flash Disk for NPE-G1,64 MB Option	MEM-NPE-G1-FLD64	Nos	1	NA
9	CISCO	8 port MultiChannel E1 port adapter with G.703 120 ohm Interf	PA-MC-8TE1+	Nos	1	JAE0834TL6S
10	CISCO	Cisco 7204VXR,4-Slot chassis,1 AC Supply w/IP Software	CISCO7204VXR	Nos	1	74203850
11	CISCO	CISCO 7200 AC Power Supply Option	PWR-7200	Nos	1	NA
12	CISCO	CISCO 7200 Dual AC Power Supply Option,280W	PWR-7200/2	Nos	1	NA
13	CISCO	Power Cord UK	CAB-ACU	Nos	2	NA
14	CISCO	Cisco 7200 Series IOS SERVICE PROVIDER/SECURE SHELL 3DES	S722K91-122185	Nos	1	NA
15	CISCO	7200 Networking Processing Engine with 3 GE/FE/E Ports	NPE-G1	Nos	1	NA
16	CISCO	Two 128MB mem modules (256MB total)for NPE-G1 in 7200	MEM-NPE-G1-256MB	Nos	1	NA
17	CISCO	Cisco 7200 Compact Flash Disk for NPE-G1,64 MB Option	MEM-NPE-G1-FLD64	Nos	1	NA
18	CISCO	8 port MultiChannel E1 port adapter with G.703 120 ohm interf	PA-MC-8TE1+	Nos	1	JAE1117ETX3
19	CISCO	8 port MultiChannel E1 port adapter with G.703 120 ohm interf	PA-MC-8TE1+	Nos	1	JAE08325KLA
20	CISCO	7200VXR Bundle with NPE-225 and I/O Controller with 2 FE/E	CISCO7204VXR/225	Nos	1	74203920
21	CISCO	CISCO 7200 AC Power Supply Option	PWR-7200	Nos	1	NA
22	CISCO	CISCO 7200 Dual AC Power Supply Option,280W	PWR-7200/2	Nos	1	NA
23	CISCO	Power Cord UK	CAB-ACU	Nos	2	NA
24	CISCO	Cisco 7200 Series IOS SERVICE PROVIDER/SECURE SHELL 3DES	S722K91-122185	Nos	1	NA
25	CISCO	Cisco 7200 I/O PCMCIA Flash Disk,48 MB Option (Default)	MEM-I/O--D-FLD48M	Nos	1	NA
26	CISCO	256MB Memory for NPE-225,NPE-300,NSE-1 in 7200 Series	MEM-SD-NSE-256MB	Nos	1	NA
27	CISCO	Dual FastEthernet (RJ-45) I/O Card	C7200-I/O-2FE/E	Nos	1	32948100
28	CISCO	8 port MultiChannel E1 port adapter with G.703 120 ohm Interf	PA-MC-8TE1+	Nos	1	JAE1117ETZR
29	CISCO	8 port MultiChannel E1 port adapter with G.703 120 ohm Interf	PA-MC-8TE1+	Nos	1	JAE0842YQPT
30	CISCO	7200VXR Bundle with NPE-225 and I/O Controller with 2 FE/E	CISCO7204VXR/225	Nos	1	74204557
31	CISCO	CISCO 7200 AC Power Supply Option	PWR-7200	Nos	1	NA
32	CISCO	CISCO 7200 Dual AC Power Supply Option,280W	PWR-7200/2	Nos	1	NA
33	CISCO	Power Cord UK	CAB-ACU	Nos	2	NA
34	CISCO	Cisco 7200 Series IOS SERVICE PROVIDER/SECURE SHELL 3DES	S722K91-122185	Nos	1	NA
35	CISCO	Cisco 7200 I/O PCMCIA Flash Disk,48 MB Option (Default)	MEM-I/O--D-FLD48M	Nos	1	NA
36	CISCO	256MB Memory for NPE-225,NPE-300,NSE-1 in 7200 Series	MEM-SD-NSE-256MB	Nos	1	NA
37	CISCO	Dual FastEthernet (RJ-45) I/O Card	C7200-I/O-2FE/E	Nos	1	30713095
38	CISCO	8 port MultiChannel E1 port adapter with G.703 120 ohm Interf	PA-MC-8TE1+	Nos	1	JAE11076M63
39	CISCO	8 port MultiChannel E1 port adapter with G.703 120 ohm Interf	PA-MC-8TE1+	Nos	1	JAE0828P5CT
40	CISCO	AC AS5350; 2E1, 60ports, IP+IOS, 60 Data Lic	AS535-2E1-60-AC	Nos	1	JAB0839402J
41	CISCO	Cisco AS5300 Series IOS IP PLUS	S535CP-12301	Nos	1	NA

#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
42	CISCO	AS5350 AC Redundant Power Supply	AS535-AC-RPS	Nos	1	NA
43	CISCO	Redundant PS AC Power Cord,UK 220V	CAB-AC-RPS-UK	Nos	1	NA
44	CISCO	AC AS5350; 2E1, 60ports, IP+IOS, 60 Data Lic	AS535-2E1-60-AC	Nos	1	JAB0839402G
45	CISCO	Cisco AS5300 Series IOS IP PLUS	S535CP-12301	Nos	1	NA
46	CISCO	AS5350 AC Redundant Power Supply	AS535-AC-RPS	Nos	1	NA
47	CISCO	Redundant PS AC Power Cord,UK 220V	CAB-AC-RPS-UK	Nos	1	NA
48	CISCO	2651XM/VPN Bundle, AIM-VPN/BPII/2FE/IOSFW/IPSec3DES, 128DRAM	C2651XM-2FE/VPN/K	Nos	1	FOC08310PY3
49	CISCO	2-Port Serial WAN Interface Card	WIC-2T	Nos	2	NA
50	CISCO	V.35 Cable, DTE Male to Smart Serial, 10 Feet	CAB-SS-V35MT	Nos	4	NA
51	CISCO	600W Redundant AC Power Systwm With DC Power Cables	PWR600-AC-RPS-CAB	Nos	1	NA
52	CISCO	RPS Field Upgrade for the Cisco 2600XM/Classic Models	ACS-2600RPS=	Nos	1	NA
53	CISCO	PIX 525-UR-GE Bundle (Chassis,Unrestr,SW,2 GE+2 FE,VAC+)	PIX-525-UR-GE-BUN	Nos	1	44405380583
54	CISCO	PIX 66-MHz four-port 10/100 Fast Ethernet Int.card, RJ45	PIX-4FE-66	Nos	1	NA
55	CISCO	PIX 525/535 3DES/AES VPN/SSH/SSL encryption licence	PIX-VPN-3DES	Nos	1	NA
56	CISCO	PIX 525-FO-GE Bundle (Chassis,Unrestr,SW,2 GE+2 FE,VAC+)	PIX-525-FO-GE-BUN	Nos	1	44405481725
57	CISCO	PIX 66-MHz four-port 10/100 Fast Ethernet Int.card, RJ45	PIX-4FE-66	Nos	1	NA
58	CISCO	PIX 525/535 3DES/AES VPN/SSH/SSL encryption licence	PIX-VPN-3DES	Nos	1	NA
59	CISCO	Cisco IDS 4215 Sensor, 80-Mbps	IDS-4215-K9	Nos	1	88808452289
60	CISCO	4 FE, 10/100 BASE-Tx Interfaces with RJ-45 Conectors	IDS-4FE-INT=	Nos	1	NA
61	CISCO	Cisco Security Server Agent (Win+ Sol), 1 Agent	CSA-SRVR-K9=	Nos	8	NA
62	CISCO	PIX 515E-UR Bundle (Chassis,Unrestricted SW, 2 FE, VAC+)	PIX-515E-UR-BUN	Nos	1	808464784
63	CISCO	PIX 515E-UR Bundle (Chassis,Fallover SW, 2 FE ports, VAC)	PIX-515E-FO-BUN	Nos	1	808451805
64	CISCO	PIX 515E 3DES/AES VPN/SSH/SSL encryption licence	PIX-515-VPN-3DES	Nos	2	NA
65	CISCO	Content Engine 565, AC Pwr, ACNS.Also runs as CDM or CR	CE-565-K9	Nos	1	KP-YP324
66	CISCO	36 GB SCSI Disk Drive for CE-565	CE-565-DISK-36GB	Nos	2	NA
67	CISCO	OEM,IBM,AC Power Cord UK	CAB-OEM-IBM-ACU	Nos	1	NA
68	CISCO	^ACNS Combined Enterprise Caching And ECDN Software v5.0 3DES	SF-ACNS-5.0-K9	Nos	1	NA
69	CISCO	Cat 6509 Chassis, 9 Slot, 15RU,No Pow Supply,No Fan tray	WS-C6509	Nos	1	SAL08290KBJ
70	CISCO	Catalyst 6000 SUP2/MSFC2 IOS SERVICE PROVIDER W/VIP	S6522ZV-12122E	Nos	1	NA
71	CISCO	Catalyst 6500 Supervisor Engine-2, 2GE, plus MSFC-2 /PFC-2	WS-X6K-S2-MSFC2	Nos	1	SAL08332G8W
72	CISCO	Catalyst 6000 Sup2 Mem, 128MB DRAM Option	MEM-S2-128MB	Nos	1	NA
73	CISCO	Catalyst 6000 MSFC-2 Mem,128MB DRAM Option	MEM-MSFC2-128MB	Nos	1	NA
74	CISCO	Catalyst 6500 Supervisor Engine-2, 2GE, plus MSFC-2 /PFC-2	WS-X6K-S2-MSFC2	Nos	1	SAL0825AMNQ
75	CISCO	Catalyst 6500 48-port 10/100/1000 Inline Power Module, RJ 45	WS-X6148-GE-TX	Nos	1	SAL13463WQ5
76	CISCO	Catalyst 6500 48-port 10/100/1000 Inline Power Module, RJ 45	WS-X6148-GE-TX	Nos	1	SAD083402FF
77	CISCO	Catalyst 6500 48-port 10/100/1000 GE Mod, RJ-45	WS-X6148-GE-TX	Nos	1	SAD082903C0
78	CISCO	Catalyst 6500 48-port 10/100/1000 GE Mod, RJ-45	WS-X6148-GE-TX	Nos	1	SAD082606AE
79	CISCO	1000BASE-SX Short Wavelength GBIC (Multimode Only)	WS-G5484	Nos	2	NA
80	CISCO	Catayst 6509 High Speed Fan Tray	WS-C6K-9SLOT-FAN2	Nos	1	NA
81	CISCO	Catalyst 6000 2500W AC Power Supply	WS-CAC-2500W	Nos	1	NA
82	CISCO	Catalyst 6000 2500W AC Power Supply	WS-CAC-2500W	Nos	1	NA
83	CISCO	Power Cord, 250Vac 16A,INTL	CAB-AC-2500W-INT	Nos	2	NA
84	CISCO	Catalyst 6000 Sup2 Mem, 128MB DRAM Option	MEM-S2-128MB	Nos	1	NA

#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
85	CISCO	Catalyst 6000 MSFC-2 Mem,128MB DRAM Option	MEM-MSFC2-128MB	Nos	1	NA
86	CISCO	Cat6500 Sup2, ATA Type 1 Flash Mem Card, 64MB Option	MEM-C6K-ATA-1-64M	Nos	2	NA
87	CISCO	Firewall Blade For 6500 and 7600,VFW Licence Separate	WS-SVC-FWM-1-K9	Nos	1	SAD09330BN4
88	CISCO	Firewall Module Software 2.2 For 6500, 2 free VFW	SC-SVC-FWM-2.2-K9	Nos	1	NA
89	CISCO	Catalyst 6500 and 7600 Virtual FW Licensing for 50 VF	FR-SVC-FWM-VC-T2	Nos	1	NA
90	CISCO	24 port, 10/100 Catalyst Switch, Standard Image Only	WS-C2950-24	Nos	1	FOC0836Y2E8
91	CISCO	2.4GHz, 11 Mbps Bridge,Dual RP-TNC ConnectorS, ETSI Cnfg	AIR-BR350-E-K9	Nos	1	FTX0850U00K
92	CISCO	Antenna		Nos	1	NA
93	CISCO	Lightening Arrestor with groundingring, RP-TNC Connector	AIR-ACC3354	Nos	1	NA
94	CISCO	2.4GHZ, 11 Mbps Bridge,Dual RP-TNC ConnectorS, ETSI Cnfg	AIR-BR350-E-K9	Nos	1	FTX0850U00R
95	CISCO	Antenna		Nos	1	NA
96	CISCO	Lightening Arrestor with groundingring, RP-TNC Connector	AIR-ACC3354	Nos	1	NA
97	CISCO	2.4GHZ, 11 Mbps Bridge,Dual RP-TNC ConnectorS, ETSI Cnfg	AIR-BR350-E-K9	Nos	1	FTX0850U00J
98	CISCO	Antenna		Nos	1	NA
99	CISCO	Lightening Arrestor with groundingring, RP-TNC Connector	AIR-ACC3354	Nos	1	NA
100	CISCO	2.4GHZ, 11 Mbps Bridge,Dual RP-TNC ConnectorS, ETSI Cnfg	AIR-BR350-E-K9	Nos	1	FTX0850U00G
101	CISCO	Antenna		Nos	1	NA
102	CISCO	Lightening Arrestor with groundingring, RP-TNC Connector	AIR-ACC3354	Nos	1	NA
103	CISCO	2.4GHZ, 11 Mbps Bridge,Dual RP-TNC ConnectorS, ETSI Cnfg	AIR-BR350-E-K9	Nos	1	FTX0850U00Q
104	CISCO	Antenna		Nos	1	NA
105	CISCO	Lightening Arrestor with groundingring, RP-TNC Connector	AIR-ACC3354	Nos	1	NA
106	CISCO	2.4GHZ, 11 Mbps Bridge,Dual RP-TNC ConnectorS, ETSI Cnfg	AIR-BR350-E-K9	Nos	1	FTX0850U00H
107	CISCO	Antenna		Nos	1	NA
108	CISCO	Lightening Arrestor with groundingring, RP-TNC Connector	AIR-ACC3354	Nos	1	NA
109	CISCO	2.4GHZ, 11 Mbps Bridge,Dual RP-TNC ConnectorS, ETSI Cnfg	AIR-BR350-E-K9	Nos	1	FTX0850U01D
110	CISCO	Directional, Antenna		Nos	1	NA
111	CISCO	Lightening Arrestor with groundingring, RP-TNC Connector	AIR-ACC3354	Nos	1	NA
112	CISCO	2.4GHZ, 11 Mbps Bridge,Dual RP-TNC ConnectorS, ETSI Cnfg	AIR-BR350-E-K9	Nos	1	FTX0850U01J
113	CISCO	Directional, Antenna		Nos	1	NA
114	CISCO	Lightening Arrestor with groundingring, RP-TNC Connector	AIR-ACC3354	Nos	1	NA
115	CISCO	2.4GHZ, 11 Mbps Bridge,Dual RP-TNC ConnectorS, ETSI Cnfg	AIR-BR350-E-K9	Nos	1	FTX0850U01H
116	CISCO	Directional, Antenna		Nos	1	NA
117	CISCO	Lightening Arrestor with groundingring, RP-TNC Connector	AIR-ACC3354	Nos	1	NA
118	CISCO	2.4GHZ, 11 Mbps Bridge,Dual RP-TNC ConnectorS, ETSI Cnfg	AIR-BR350-E-K9	Nos	1	FTX0850U01G
119	CISCO	Directional, Antenna		Nos	1	NA
120	CISCO	Lightening Arrestor with groundingring, RP-TNC Connector	AIR-ACC3354	Nos	1	NA
121	CISCO	2.4GHZ, 11 Mbps Bridge,Dual RP-TNC ConnectorS, ETSI Cnfg	AIR-BR350-E-K9	Nos	1	FTX0850U01F
122	CISCO	Directional, Antenna		Nos	1	NA
123	CISCO	Lightening Arrestor with groundingring, RP-TNC Connector	AIR-ACC3354	Nos	1	NA
124	CISCO	2.4GHZ, 11 Mbps Bridge,Dual RP-TNC ConnectorS, ETSI Cnfg	AIR-BR350-E-K9	Nos	1	FTX0850U01E
125	CISCO	Directional, Antenna		Nos	1	NA
126	CISCO	Lightening Arrestor with groundingring, RP-TNC Connector	AIR-ACC3354	Nos	1	NA
127	CISCO	UBR905 -Packaged As One Individual Unit	UBR905-SINGLE-1PK	Nos	1	CAT0646W119

#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
128	CISCO	Cisco uBR925 Ser IOS PERF TELECOMMUTER/FW/IPSEC 3DES	S95C8K9-12213T	Nos	1	NA
129	CISCO	LAN Management 2.2 for WIN/SOL; CM, DFM, RME, RTM, CV	CWLMS-2.2-K9	Nos	1	NA
130	CISCO	Cross Bundle Discount for LMS users adding RWAN 1.3 WIN/SOL	CWRW-1.3-P1-K9	Nos	1	NA
131	CISCO	VMS 2.2 WIN 20 Device Restricted	CWVMS-2.2-WINR-K9	Nos	1	NA
132	CISCO	Cisco 11501 content Services Switch with Hard disk and AC	CSS11501	Nos	1	JAB083403AS
133	CISCO	WebNS V7.2X Enhanced Feature Set for CSS11501	S11K-501EN-7.2	Nos	1	NA
134	CISCO	Cisco 2811 Router	CISCO2811	Nos	1	FHK0939F2CX
135	CISCO	4 Port FE	HWIC-4ESW	Nos	1	FOC09373Q11
136	CISCO	E1 G703 (1 port) Multi-Flex Trunk WAN daughter card	800-06722-02	Nos	1	33955087
137	CISCO	ACS Cisco 1111		Nos	1	M007LJHG3S
138	CISCO	Cisco Express 500	WS-CE500-24TT	Nos	1	FOC1243U3JG
139	CISCO	Cisco Express 500	WS-CE500-24TT	Nos	1	FOC1238U7AS
140	NORTEL	Nortel 2526 T Switches	AL2500201-E6	Nos	1	LBNNTMMD440V89
141	NORTEL	Nortel 2526 T Switches	AL2500201-E6	Nos	1	LBNNTMMD440V88
142	CISCO	CISCO SWITCH	Cisco WS-C2960G-24TC-L	Nos	1	FOC1522W089
143	CISCO	CISCO SWITCH	Cisco WS-C2960G-24TC-L	Nos	1	FOC1522W07X
144	CISCO	INTERNET ROUTER pri	CISCO 2921-SEC/K9	Nos	1	FGL1525101N
145	CISCO	INTERNET ROUTER SEC	CISCO 2921-SEC/K9	Nos	1	FGL1525101P
146	CISCO	CISCO SWITCH	Cisco WS-C2960-24TT-L	Nos	1	FOC1444V2GB
147	CISCO	CISCO SWITCH	Cisco WS-C2960-24TT-L	Nos	1	FOC1444Z41U
148	CISCO	CISCO SWITCH	Cisco WS-C2960-24TT-L	Nos	1	FOC1350Y6UL
149	CISCO	CISCO SWITCH	Cisco WS-C2960-24TT-L	Nos	1	FOC1444X1Y4
150	CISCO	CISCO SWITCH	Cisco WS-C2950-24	Nos	1	FOC1110W0HN
151	CISCO	CISCO SWITCH	Cisco WS-C2950-24	Nos	1	FOC1110X039
152	CISCO	CISCO SWITCH	Cisco WS-C2950-24	Nos	1	FOC1110W0F2
153	HCL	HCL EzeeBee PC		Nos	1	
154	Keltron	KELTRON PC		Nos	1	
155	HCL	HCL EzeeBee PC		Nos	1	
156	HCL	HCL EzeeBee PC		Nos	1	
157	HCL	HCL EzeeBee PC		Nos	1	
158	HCL	HCL EzeeBee PC		Nos	1	
159	Keltron	KELTRON PC		Nos	1	
160	HCL	HCL EzeeBee PC		Nos	1	
161	HP	HP Laserjet 1320		Nos	1	
162	HP	HP Officejet 5510		Nos	1	

2. Co-hosted Server list						# folder 3, system
#	Location	Item Description	Position	Unit	QTY	Serial Number
1	Rack 1	HP DL 380 G7	SVR-259	Nos	1	SGH121XD2J
2	Rack 1	HCL Infinte GL	SVR-088	Nos	1	N/A
3	Rack 1	HP MSL 4048	TLIB-260	Nos	1	515767-001
4	Rack 1	Storage Edge L25	TLIB-001	Nos	1	0122842 - 0433KA0087
5	Rack 1	Sun V240	SVR-001	Nos	1	FN43510315
6	Rack 1	Sun V240	SVR-002	Nos	1	FN43510376
7	Rack 1	Sun V240	SVR-033	Nos	1	FN40820069
8	Rack 1	HP GL 580 G7	SVR-256	Nos	1	SGH121XD65
9	Rack 1	HP GL 580 G7	SVR-257	Nos	1	SGH121XD6K
10	Rack 2	Vm Switch		Nos	1	N/A

#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
11	Rack 2	Vm Switch		Nos	1	N/A
12	Rack 2	Master View KVM Switch	KVM-001	Nos	1	FT43430110
13	Rack 2	Sun Blade 150	CC-001	Nos	1	N/A
14	Rack 2	Sun V240	SVR-006	Nos	1	FN43330124
15	Rack 2	Sun V240	SVR-007	Nos	1	FN43510346
16	Rack 2	Sun V240	SVR-008	Nos	1	FN43510318
17	Rack 2	HP DL 380 G7	SVR-258	Nos	1	SGH121XD35
18	Rack 2	HP DL 380 G7	SVR-254	Nos	1	SGH121XD6N
19	Rack 2	HP DL 380 G7	SVR-255	Nos	1	SGH121XD6W
20	Rack 3		SAN Switch-01	Nos	1	00-C0-DD-02-21-D7
21	Rack 3		SAN Switch-02	Nos	1	00-C0-DD-02-16-D7
22	Rack 3	Sun Blade 150	CC-002	Nos	1	FT43910009
23	Rack 3	Sun Fire V240	SVR-029	Nos	1	FN42920216
24	Rack 3	Storage Edge 3500	SAN-004	Nos	1	1094PNG-0412HG0233
25	Rack 3	Storage Edge 3500	SAN-012	Nos	1	1094PNG-0425HH087K
26	Rack 3	Net App DS 4243	SAN-022	Nos	1	LB595732000FCF6
27	Rack 3	Net App DS 4243	SAN-021	Nos	1	N/A
28	Rack 6	Dell Power 1750	SVR-029	Nos	1	FQKBCIS
29	Rack 6	Dell Power 1750	SVR-030	Nos	1	DQKBCIS
30	Rack 6	Dell Power 1750	SVR-031	Nos	1	33XTCIS
31	Rack 6	Dell Power 1750	SVR-032	Nos	1	C6JBCIS
32	Rack 6	HP DL 380 G5	SVR-061	Nos	1	SGH7276DHE
33	Rack 6	HP DL 380 G5	SVR-086	Nos	1	SGH7276DHL
34	Rack 6	HP DL 380 G5	SVR-116	Nos	1	SGH7276DH9
35	Rack12	HP ProLiant DL 380 G5	SVR-154	Nos	1	SGH7276DH0
36	Rack12	HP ProLiant DL 380 G5	SVR-015	Nos	1	SGH7276DHF
37	Rack12	HP ProLiant DL 380 G5	SVR-041	Nos	1	SGH7276DFT
38	Rack12	HP ProLiant DL 380 G5	SVR-058	Nos	1	SGH7276DHS
39	Rack12	HP ProLiant DL 380 G5	SVR-059	Nos	1	SGH7276DH6
40	Rack-24	HP ProLiant DL 380 G5	SVR-189	Nos	1	SGH7276DFX
41	Rack-25	Infinite GL	SVR-87	Nos	1	N/A
42	Rack-25	HP DL 380 G5	SVR-117	Nos	1	SGH7276DFS
43	Rack-25	HP DL 380 G5	SVR-118	Nos	1	SGH7276DHP
44	Rack-25	HP DL 380 G5	SVR-119	Nos	1	SGH7276DHV
45	Rack-32	SunFire V480	SVR-012	Nos	1	N/A
46	Rack-33	Sun Fire V240	SVR-004	Nos	1	N/A
47	Rack-33	Sun Fire V480	SVR-010	Nos	1	N/A
48	Rack-33	Sun Fire V480	SVR-009	Nos	1	N/A
49	Rack-33	Sun Fire V480	SVR-005	Nos	1	N/A

4. Software						
#	OEM	Item Description	Software Purpose	Unit	QTY	Serial / Part Number
1.1	CA	CA Infrastructure Management		Nos	100	CAIMGT99000
1.2		CA eHealth Performance Manager Device Based Suite Servers (FOC)		Nos	1	EDBSRV99000
1.3		CA SPECTRUM Infrastructure Manager Device Based Suite Server (FOC)		Nos	1	SDBSFO99000
1.4		CA Systems Performance for Infrastructure Managers		Nos	24	VIRASP99000
1.5		CA SERVICE DESK MANAGER ANALYST LICENSE		Nos	2	SDMAOM99000
2	cPanel	Control Panel for Domains in the Co-Hosted servers.		Nos	1	
3	HPDP	Tape Library - Backup Solution for Co-hosted/Co-located servers.		Nos	1	
4	Netapp SAN	Storage Array	Integrated with Netapp	Nos	1	
5	Squid Proxy	Web Proxy -Proxy for regulating site availability in the KSWAN.		Nos	1	

#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
6	Trend Micro	Internet Scan Messaging Security Suite (IMSS)		Integrated with the Zimbra Mail Server.		
7		Office Scan - Antivirus scanner for Servers and PC's in the oSDC.		Nos	1	
8	VMware	Server Virtualization Software		Nos	1	
9	Zimbra Mail	Mail Server		Nos	1	
10	Microsoft	SQL Server - Standard 2008 Release 2 -4Nos		Nos	4	
11		Windows Server - Device CAL 2008 -40Nos		Nos	40	
12		Windows Server - Enterprise 2008 Release 2 -4Nos		Nos	4	
13		Windows Server - Standard 2008 Release 2 -4Nos		Nos	4	
14		Windows Web Server 2008 Release 2 -4Nos		Nos	4	

5. BMS # folder 4

#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
A	Honeywell	Fire Detection System				
1		Analog addressable single loop fire alarms panel with 24 v, 7 AH battery		Nos	1	
2		Analog addressable photo electric smoke detector		Nos	47	
3		Addressable input module for monitoring FM 200/ NAFSIII/ Inergen		Nos	2	
4		Addressable manual call point		Nos	3	
5		Addressable loop powered sounder		Nos	5	
6		Short circuit isolators		Nos	3	
7		BMS PC		Nos	1	
B	Honeywell	Access Control System				
1		Smart card biometric finger print reader with PIN		Nos	1	
2		Smart card reader cum controller		Nos	16	
3		Smart cards		Nos	50	
4		Electromagnetic lock		Nos	14	
5		Magnetic contact		Nos	14	
6		Emergency lock release		Nos	4	
7		Release Switch		Nos	10	
8		Access control and time attendance software (copy)		Nos	1	
9		PC for access control system		Nos	1	
C	Honeywell	CCTV Surveillance System				
1		1/4" CCD Color dome camera with built in 3.7mm lens		Nos	16	
2		Power supply unit with battery		Nos	2	
3		16 channel digital color duplex multiplex recorder with 40GB HDD		Nos	1	
4		14" Color TV		Nos	2	
D	Honeywell	Public Address System				
1		6W ceiling mounted box type loud speakers		Nos	15	
2		Table mounted goose neck type pilfer proof microphone		Nos	1	
3		120W amplifier		Nos	1	
4		CD player		Nos	1	
E	Honeywell	Fire Suppression System				
1		3 nos Seamless Master cylinder		Nos	1	
2		Racks with straps 138 kg NafSII gas		Nos	1	
3		Discharge nozzles		Nos	12	
4		MS Seamless pipes as per ASTM A 106 Gr.B schedule 40		lot	1	
5		2 Zone gas release panel		Nos	1	
6		26 Kgs of NAF SII gas		Nos	1	
7		Discharge nozzles		Nos	3	
8		MS Seamless pipes as per ASTM A 106 Gr.B schedule 40		Nos	1	
9		2 Zone gas release panel		Nos	1	
10		2 kg CO2 type portable fire extinguisher		Nos	1	
11		3 kg CO2 type portable fire extinguisher		Nos	1	
12		4.5 kg CO2 type portable fire extinguisher		Nos	4	

#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
13		2 kg DCP type portable fire extinguisher		Nos	2	
F	Honeywell	Water Leak Detection System		Nos		
1		4 zones control panel for water leak detection		Nos	1	
2		Water leak detector tape		mts	100	
3		Water leak detection module		Nos	4	
G	Honeywell	Rodent Repeller				
1		Rodent Repeller		Nos	2	
H		BMS Room Panels		Nos	5	
		GAS RELEASE PANEL BOARD	SAFEMWAY SECURITY SYSTEMS			3620S52004
		FIRE CONTROLL PANEL BOARD	SAFEMWAY SECURITY SYSTEMS			3619S52004
		RODENT REPELLER	HONEYWELL			127005/1/0407/2
			MASER ELECTRONICS PVT LTD.			4149-2005
		Water detection system	Honeywell			4150-2005

6. Non IT equipments # folder 4

#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
1		DG Set		Nos	1	
	CUMMINS	Engine				25298660
		MODEL	NTA 14G3			
		CRANKSHAFT ENDPLAY	.0008"inch			
		COOLING SYSTEM	RADIATOR			
		TYPE OF COUPLING	DIRECT			
		GOVERNOR TYPE	ECPG			
	STAMFORD	Alternator				4100509
		FRAME	HC444F1			
		KW/KVA	304/380			
		FULL LOAD AMPS	S29			
		AVR TYPE	SX440			
	POWERICA	Control Panel				T/D2004-10/22/319
		TYPE	AMF			
		SWITCH GEAR	ACB L&T CNCS 800C			
		KWH METER MAKE	L&T ACRUX			4717980.
		C.T RATIO	600/5A			
		AMF UNIT	BE21			
2		Air conditioner				
2.1	CARRIER	COMFORT AC		Nos	3	
		MODEL	VERSATECH			
		SRL NO A/C UNIT INDOOR 1				500012729041000246
		SRL NO A/C UNIT INDOOR 2				500012733041000350
		SRL NO A/C UNIT INDOOR 3				500012729041000248
		SRL NO A/C OUTDOOR UNIT 1				500007633041000434
		SRL NO A/C OUTDOOR UNIT 2				500007629041000291
		SRL NO A/C OUTDOOR UNIT 3				500007629041000311
2.2	BLUE STAR	CASSETTE AC		Nos	2	
		MODEL	SCR361SE			
		SRL NO A/C UNIT INDOOR 1				C1012297103107021301
		SRL NO A/C UNIT INDOOR 2				C1012297103107021301
		SRL NO A/C OUTDOOR UNIT 1				10F7147KT
		SRL NO A/C OUTDOOR UNIT 2				10F7164KT
2.3	Emerson	PRECISION AC		Nos	3	
		MODEL	PEC-263FA-100			
		UNIT 1 SR NO				04313026.31.30
		UNIT 2 SR NO				04313026.31.32
		UNIT 3 SR NO				04313026.31.31
		OUTDOOR UNIT 1				0903LS500093
		OUTDOOR UNIT 2				0903LS500096
		OUTDOOR UNIT 3				0902LS500045
		OUTDOOR UNIT 4				0903LS500095
		OUTDOOR UNIT 5				0902LS500047
		OUTDOOR UNIT 6				0802LS500041
3		UPS				
3.1	EMERSON	60 KVA UPS		Nos	3	
		MODEL	I-trust33-60kva			
		CAPACITY	60 KVA/48KW			
		UPS 1				210120004420490000
		UPS 2				210120004420490000
		UPS 3				2101200044207C0200
3.2	EMERSON	6 KVA UPS		Nos	1	20043040835
		MODEL	PB6KVA			
		CAPACITY	6 KVA			
4		Transformer		Nos	1	T-365/2004
		TYPE	INTRANS ELECTRO COMPONENTS(P) LTD			
		CAPACITY	CAST RESIN			
			400KVA			
5		LBS Panel		Nos	1	P-520

#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
		TYPE	LBSM			
		PT RATIO	11000/110			
		CT RATIO	15/5			
6	LG	LCD TV		Nos	2	
6.1		22 inch	22LK311-TB			
		TYPE				107PLHT063009
6.2	LG	32 inch		Nos	3	107PLEF063164
		TYPE	32LK450-TA.ATRDJL			
						105PLXA028642
						105PLAG041144
						106PLYZ005402
7	Rack	Server Racks				
	RITTAL	SERVER RACK 38U		Nos	37	
	PRESIDENT	SERVER RACK 44U		Nos	4	
	IBM	Server Rack 42U		Nos	1	

7. Other Items

folder 4

#	OEM	Item Description	MFR PNO	Unit	QTY	Serial Number
1		Table		Nos	7	
2		Chair (Godrej)		Nos	20	
3		Telephone		Nos	14	
4		Dust bin		Nos	5	
5		Book shelf		Nos	4	
6		Storage for tape		Nos	1	
7		Teapoy		Nos	1	
8		Pedastal fan		Nos	1	
9		Shoe rack with cushion		Nos	2	
10		Wall clock		Nos	1	
11		Vacuum cleaner		Nos	1	
12		Electric kettle		Nos	1	
13		Stool(Fiber)		Nos	1	
14		Torch (3 cell)		Nos	1	
15		Fire bucket		Nos	4	
16		Flower vase with flower		Nos	2	
17		Exhaust fan		Nos	2	
18		Air curtain 1500mm		Nos	1	
19		Storewell - Godrej		Nos	2	
20		Computer Chairs(black)		Nos	12	
21		Ladder		Nos	1	

9. Equipments installed outside SDC

folder 5

#	OEM	Location	Item Description	Unit	QTY	IP details
1		Non-root-Vikasbhavan	Radio	Nos	1	10.1.7.34
2		Non-root-Vigilance	Radio	Nos	1	10.1.7.75
3		Non-root-Assembly	Radio	Nos	1	10.1.7.35
4		Non-root-IMG	Radio	Nos	1	10.1.7.201
5		Non-root- IMG Hostel	Radio	Nos	1	10.1.7.203
6		Non-root-Secretariat	Radio	Nos	1	10.1.36.252
7		Non-root-CDAC	Radio	Nos	1	10.64.20.124
8		Non-root-Public Office	Radio	Nos	1	10.1.7.130
9		Non-root-Pareekshabhavan	Radio	Nos	1	10.1.7.131
10		RADWIN Radio at Secetariat	Radio	Nos	1	10.1.7.210

List of critical items

- Internet Router
- Core Router
- Access Router
- Firewall (only service will be termed critical, since firewall redundancy is available)
- Core Switch
- Web Hosting Servers (only service will be termed critical, since firewall redundancy is available)
- Data Base Hosting Servers (only service will be termed critical, since firewall redundancy is available)
- Anti-Virus Server
- Backup Server
- Tape Library
- SAN
- NMS Server
- EMS Server
- UPS (60KVA in Thiruvananthapuram; 10KVA in Kochi; 10KVA in Kozhikode)
- DG Set
- Precision AC (only service will be termed critical, since AC redundancy is available)
- All other components shall be treated as non-critical components

SCOPE OF WORK/SERVICES

SCOPE OF WORK/SERVICES REQUIRED

Keltron as the agency for IT SERVICES MANAGEMENT, consisting of Operations, Maintenance, Upgrade of the existing State Data Centre, and 3 Network Operating Centres under the State Information Infrastructure of the Government of Kerala, shall undertake and perform the following functions, activities and on-site operations for a period of 3 years on a 24 X 7 basis, with effect from 12 December 2012, as per scope of work given below: with its own staff and without opting the sub-contract route.

OPERATION & MAINTENANCE OF EQUIPMENTS/ SERVICES

- Position Project Manager and Project Personnel required for execution of work at the sites.
- Firming up of functions, take-over and schedule of activity.
- Detailed verification and acceptance of sites & inventory.
- Detailed verification and acceptance of engineering/configuration documents.
- Detailed verification and acceptance of process documents/registers.
- Detailed verification and acceptance equipment, configuration, operational status, standard operating procedure etc.
- Handholding with technical personnels of the incumbent consultant/ FMS Provider at sites.
- Storage, safe-keeping and security of infrastructure including all equipments, documents etc. available in the existing State Data Centre and 3 Network Operating Centres.
- System Administration (on Linux/Windows/solaris) Database administration (MS SQL, MY SQL, Postre SQL) e-mail and Proxy Service Management (Zimbra, Squid Proxy Server), Web & Application Servers Management(Apache, Tomcat, IIS, Java Server), LDAP, DNS Support (on Solaris DNS/ LDAP platforms)
- Co-Location of Servers in the Data Centre(staging services including IP allotment, network resources allotment and configuration, security configuration, rack mounting and powering support)
- Co-Hosting of Servers in the Data Centre (server resources allotment, sun iplanet application and database configuration, security configuration)
- Management of Centralised Data Storage for applications being co-located/ hosted(HPDIP).

- Management of Data Backup and retrieval as per the backup policy for applications being co-located/ hosted (HPDP), Antivirus Management (Windows, Linux) SMTP Gateway, http/ftp traffic (Trendmicro AV), resource monitoring and SLA reporting for Servers(CA Unicentre).
- Non-IT management: Managing and maintaining the electrical system-transformer,generator, UPS and battery(replacement of battery not in the scope, only maintenance is envisaged) electrical panel, AC, lighting, cabling etc.
- Managing the BMS- Access control system, surveillance system, fire detection and suppression system, water detection system, EPBAX, rodent control, public address system: Manned security -round the clock.
- General maintenance of the data centre, including the office, pantry, toilets, furniture etc.
- Payment of electrical charges, water charges, telephone charges, diesel expenses for DG(cost not to be part of the offer- to be operated from the imprest money from KSITM).
- NoCs (Thiruvananthapuram, Kochi and Kozhikode): Network administration including VPN, firewall(including firewall in core switch in Thiruvananthapuram), IPS, VLAN configuration and management; MPLS network management; IP routing and switching; LAN/WAN wireless management; Manage backups of configuration for network devices; Support for VOIP, video conferencing and other applications; managing the network including the passives like racks, cabling, patch panel; NoC management; NMS management; EMS management; internet access management (Thiruvananthapuram); Interacting with bandwidth providers for link related problems; interacting with internet service providers for registration and renewal of domain name and DNS.
- Non-IT in NoCs (Kochi and Kozhikode): Managing and maintaining the electrical system- Generator, UPS and battery(replacement of battery not in the scope, only maintenance is envisaged), electrical panel, AC, lighting, cabling etc; Managing the BMS- Access control system, surveillance system, fire detection and suppression system, water detection system, EPBAX, rodent control; Manned security- round the clock.
- General maintenance of the NoC including the office, pantry, toilets, furniture etc.
- All routine and preventive maintenance operations, including documentation, as may be necessary to ensure availability and performance of all equipments/ services available in the existing State Data Centre and 3 Network Operating Centres as per technical and operational specifications of best practices, standards, custom requirements as per service levels.
- All engineering changes, including but not limited to installation/re-installation, configuration.

integration, testing, commissioning and documentation as may be necessary to match technical and operational specifications of best practices, standards, custom requirements, patches, upgrades or performance improvement of existing equipments its components or services in the existing State Data Centre and 3 Network Operating Centres.

- All engineering support, including but not limited to configuration, integration and testing as per technical and operational requirements for facilitating IT Services from and to the existing State Wide Area Network as may be necessary.
- All engineering support, including but not limited to design, configuration, integration and testing as per technical and operational requirements for facilitating IT Services from and to the proposed State Data Centre and Disaster Recovery Centres, the National Wide Area Network, the State Government campus networks and the State Government Department Networks as may be necessary.
- All necessary office stationery items required for the routine operations, including A4 paper, writeable-CDs etc.
- The following recurring expenditure attributed to infrastructure lease and utility charges are not included in the above scope of work.
 - Rental for space/building
 - Building tax
 - Electrical charges
 - Water charges
 - Diesel expenses
 - Telephone charges

DELIVERABLES

LIST OF DELIVERABLES

- All communications, documents and reports pertaining to requirement specifications in RFP and activities undertaken as per scope of work.
- Detailed Reports of Operations & Performance to KSITM on incident / daily/ weekly/ monthly basis against work executed under Schedule 1.
- Detailed Reports of Engineering Changes, on event / monthly basis.
- Detailed Reports of Manpower Attendance, on event / monthly basis.
- Bills of from Utilities towards payment of electricity charges, water charges, telephone charges, diesel expenses etc. for settlement of imprest account by KSITM.
- Report & Record of Custody, Handling and Transfer of any equipments, documents or communications.
- Logs of all activities in the State Data Centre & 3 NOCs, in soft or printed format.
- Detailed Exit Reports.



GOVERNMENT OF KERALA

Abstract

Information Technology Department – Operation and maintenance of SII comprising of existing State Data Centre and 3 NOCs – Handing over to KELTRON - Orders issued.

INFORMATION TECHNOLOGY (B) DEPARTMENT

G.O. (Ms) No.27/2012/ITD.

Dated, Thiruvananthapuram, 07.12.2012

- Read:- 1) G.O.(Rt) No.241/09/ITD dated 09.11.2009.
 2) Letter No.803/2012/KSITM/1585-2131 dated 05.10.12 and 08.11.12 of Director, KSITM.
 3) Letter No.Tvm/ITBG/101/RC/684/12-13 dated 04.09.12 of MD, KELTRON.
 4) Letter No.Tvm/ITBG/008/MD/SDC/12-13 dated 15.10.12 of MD, KELTRON.

ORDER

As per Order read as first paper above sanction was accorded to issue letter of intent and work order to L1 bidder M/s Reliance Communication Infrastructure Ltd at a cost of Rs.5,14,97,299/- for warranty, support, maintenance, upgrading, Security Audit and ISO Certification of the State Information Infrastructure (SII) comprising of existing SDC and 3 NOCs, for a period of 3 years.

As per letter read as 3rd paper above Managing Director, KELTRON has requested Government to entrust them to manage the SII after the expiry of the existing contract, by considering;

- i) KELTRON is the only Public Sector Undertaking under State Government having strength in management of IT infrastructure.
- ii) KELTRON has with them a pool of talented engineers with on hand experience in management of Servers and Networking equipments.
- iii) Engineers in the networking group of KELTRON can handle the routers and other network related equipments since more than 50% of the Servers co located in SDC were supplied and managed by KELTRON.
- iv) KELTRON will be handling the entire infrastructure management with its own staff and without opting the sub contract route.

Government have examined the matter and are pleased to order to handover the operation and maintenance of State Information Infrastructure (SII) consisting of existing State Data Centres (SDC) and 3 Network Operating Centres (NOC) to the KELTRON on expiry of the existing contract period. The modalities of handing over will be worked out by Director, KSITM.

Director, KSITM shall take immediate steps in this regard and take up issues, with Government, wherein Government approval are required.

(BY ORDER OF THE GOVERNOR)

P. BALAKIRAN, IAS

DEPUTY SECRETARY TO GOVERNMENT

To

The Director, Kerala State IT Mission, Thiruvananthapuram.

Accountant General (A&E)/Audit, Thiruvananthapuram.

Managing Director, KELTRON, Thiruvananthapuram.

Stock file/ Office Copy: ✓

Copy to: PS to Chief Minister

PS to Minister (Industries & IT)

PA to Principal Secretary, IT Department

Approved for issue

Section Officer