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CIRCULAR

Sub: DIT - Setting up & Implementation of State Data Centre - Development of centralized & integrated applications - Leveraging infrastructure - Reg.

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It is informed that this Directorate is establishing an infrastructure viz. "State Data Centre" (SDC) under National e-Governance Plan (NeGP). The vision of NeGP is as follows:-

"Make all Government Services accessible to the common man in his locality through common service delivery outlets and ensure efficiency, transparency and reliability of such services at affordable costs to realize the basic needs of the common man".

2. Under National e-Governance Plan, State Data Centre (SDC) has been defined as one of the core infrastructure components. SDC is envisioned as the **'Shared, reliable and secure infrastructure services centre for hosting and managing the e-Governance Applications of State and its constituent departments'**. SDC is a critical infrastructure needed for hosting of the applications that are essential for the delivery of e-Governance services. SDC will help a State to consolidate the applications and hosting of services to provide efficient delivery of Government to Government (G2G), Government to Citizen (G2C) and Government to Business (G2B) services. These services will be rendered through a common delivery platform seamlessly supported by common core connectivity infrastructure provided by PSWAN and CSC connectivity extended up to village level.

3. **Govt. of Puducherry is in the process of setting up of the State Data Centre (SDC) and it will be made operational by December 2010.** The SDC will be equipped to host / co-locate systems (e.g. Web Servers, Application Servers, Database Servers, SAN, etc.) to host applications at the SDC to use the centralized computing power. The centralized computers/Servers will be used to host multiple applications. SDC will have high availability, centralized authenticating system to authenticate the users to access their respective systems depending on the authentication matrix.

Envisaged Outcomes of the SDC extended to the departments:

- Reduced costs of Infrastructure creation, Monitoring, Management for State Data Centre for Government of Puducherry and its Government Departments.
- Enhanced reliability & security of Information Systems through centralized management of IT Infrastructure adopting the necessary measures and practices
 - Dynamic Scalability
 - Centralized and Simplified Management
 - Improved quality of Data housekeeping
 - Lower risk of data loss
 - Higher availability of system and data - 24x7x365
 - Better management of security & access control
 - Guaranteed Service Levels
- Reduced administrative burden for Government of Puducherry & its departments by avoiding necessity of vendor management, addressing the technical issues surrounding the IT Infrastructure on a standalone basis by each department

- Efficient & effective management of Information Security related issues across the Government locations
- Aggregation of IT Infrastructure, supporting software (Hardware, Storage, Networking and Software like OS, database) and Management Resources
- Optimal Utilization by sharing of IT Infrastructure Resources to meet individual peak loads
- Standardization of Systems, Improved Scalability and faster implementation cycle times.
- Stable and Predictable Physical and Technical Environment
- 100% availability of power and cooling infrastructure and 100% network uptime.
- Availability of other physical infrastructure as per Tier requirements.
- Scalability in terms of availability of physical space and supporting infrastructure.
- Carrier-neutrality: Internet connections via numerous providers, ensuring full redundancy
- 24x7 monitoring of exchange points (Routers) and bandwidth carriers to guard against server interruptions and 24X 7 monitoring and management of the IT infrastructure hosted in SDC.
- Foolproof security – locked server cabinets, cages with IP-based CCTV surveillance and hand key biometric access to all areas.
- Server Management - Periodic system upgrades / updates, Vulnerability Assessment etc
- Security Management – Firewall Monitoring, analyze logs and update configurations
- Backup, archiving and Storage Infrastructure
- Technology Refresh (renewing the hardware and software configurations at periodic intervals depending upon technological advancements)
- 24x7 availability of help desk and other technical manpower to manage the Data Centre operations

4. Hence, utilizing 3% of budget earmarked for e-Governance activities, the Departments may initiate their activities in preparing the centralized & integrated applications and plan to migrate / host the application in SDC, once it is operational, and deliver the services through online.


(S.M. KHANNAJI)
SPECIAL SECRETARY (IT)

To

1. The Departments concerned (As per the annexure).
2. The District Collector, Karaikal.
3. The Regional Administrator, Mahe/Yanam.

Copy submitted to

1. The Hon'ble Minister for Information Technology - Cum - Chairman, Puducherry e-Governance Society, Puducherry.
2. All Secretaries to Government.
3. The Convenor, Puducherry e-Governance Society, Puducherry.