

## **Data Center strengthening and DR site**

**1. Name of the Project:** Data Center strengthening and DR site

**2. Background:**

With the increased expectations from citizens for online services and the number of e-Governance Projects, SMART city project and other large scale projects being launched by the Government and as well as Corporate clients, the Data Centre requirements are growing exponentially. In view of the same, SMC has envisaged strengthening of the Data Center and Disaster Recovery infrastructure.

**3. Vision:**

To provide uninterrupted and sufficient support to all existing and planned IT initiatives coupled with latest technology, flexible & scalable infrastructure and highly automated monitoring & maintenance.

**4. Sector:** Information Technology

**5. Cost and financing:**

SCP Cost	: Rs. 10.00 Cr
Tender Estimated cost	: Rs. 29.00 cr

**6. Brief Description (Technical Details):-**

SMC plans to strengthen Data Center and creation of the DR Site is aligned to the fact that with ever increasing computerization, field instrumentation, citizen engagement and GIS integration more and more city operations are dependent on the availability of IT applications and infrastructure.

**7. Implementation Plan:**

- **Current status:** Tender Preparation

**8. Impact/ Envisaged Impact of the project:**Maximum uptime and business continuity during any event of disaster. Higher performance and reliable infrastructure for IT operations, in order to minimize any chance of disruption. Following outcome envisaged from the project,

- Automated failover of mission critical business process
- Tolerate failures such that processing continues with minimal or no interruption
- Transparent to system, data, or application changes
- Built-in preventative measures
- Proactive monitoring, Automate detection and recovery operations

- Manual in case of environmental disaster or human error
- Protect the data so that there is minimal or no data loss
- Implement the operational best practices to manage the environment
- Achieve the goals set in SLAs (for example, the RTO and the RPO)
- Load balancing technologies for workload balancing involve redirection to available resources
- Disaster recovery to recover and resume mission critical applications at a remote site