

## CLOUD @ TNSDC

Features and facility of CLOUD @ TNSDC.

- Availability of on demand infrastructure for hosting the application.
- Improving infrastructure utilization with multiple Virtual machines (VMs) on a single host.
- Allowing applications to leverage the power to scale up and scale down instances as per the demand cycle.
- Reducing the time required for the provisioning of Virtual Machines (VMs) through pre defined templates.
- Allowing departments to deploy applications faster.
- Ability to provide additional computing resources like CPU, RAM, Storage and OS whenever demand arises in production.
- Rapid elasticity and dynamic scalability of computing resources.
- Virtual machines (VMs) will be created and provided as per the requirement (ranging from min 1vCPU, 2GB RAM to max 8vCPU, 16GB RAM with HDD (storage space) of 500GB max in general.
- Operating Systems (OS) Redhat Linux and Windows will be provided to Virtual machines running on hypervisors RHEV and Hyper V.
- Department can also bring in their OS with support, based on the compatibility matrix of the hypervisors.
- Host Intrusion and Prevention System (HIPS) and Antivirus software will be provided for the VMs.
- Up time of VMs will be monitored on 24x7 basis.
- Hypervisor level clustering is enabled to provide HA for VMs.
- Cloud operator will do OS hardening in co-ordination with user department.

### Hosting charges in Cloud

**Virtual Machine - Windows/Linux operating system:**

Description	Cost per annum per Virtual machine in Rs.
VCPU - 1 no.	34,000
RAM - 1GB	1,000
Storage Area Network (SAN) space (60GB - usable)	4,000
Host Intrusion Prevention System and Anti virus	4,000
<b>Total</b>	<b>43,000 + Taxes</b>

\*Any increase in above resources will be charged on pro rata basis.

Note: Departments may approach TNSDC, ELCOT campus, Perungudi for hosting requirements. Kindly depute personnel along with application developer to discuss in detail for new hosting/migrating the existing application to CLOUD environment.