

Bid Document

| Bid Details | |
|--|---|
| Bid End Date/Time | 14-05-2019 15:00:00 |
| Bid Life Cycle (From Publish Date) | 90 (Days) |
| Bid Offer Validity (From End Date) | 60 (Days) |
| Ministry/State Name | Ministry Of Railways |
| Department Name | Na |
| Organisation Name | N/a |
| Office Name | Southern Region |
| Total Quantity | 111 |
| Item Category | virtualisation cloud software , virtualisation cloud software , virtualisation cloud software , virtualisation cloud software |
| Average Turnover (Last 3 Years) | 254 Lakh (s) |
| OEM Average Turnover (Last 3 Years) | 2029 Lakh (s) |
| Experience with Government Required | 2 Year (s) |
| MSE Exemption For Years Of Experience And Turnover | No |
| Startup Exemption For Years Of Experience And Turnover | No |
| Document required from seller | Experience with Government,Annual Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover |
| Bid to RA enabled | No |

Virtualisation Cloud Software (25)

Technical Specifications

[* As per GeM Category Specification](#)

| Specification | Specification Name | Values | Bid Requirement (Allowed Values) |
|---|-------------------------------|---------------|---|
| BASIC INFORMATION OF VIRTUALISATION & CLOUD SOFTWARE (GOLDEN) | Software Domain / Type | Cloud | Cloud |
| | Name of Software | - | * |

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|--|--|---|---|
| | Name of the OEM | - | * |
| | OEM Model / Part No | - | * |
| | Software Version/Name | - | * |
| FEATURES AND FUNCTIONALITY PARAMETERS(GOLDEN) | Licensing Type | Perpetual | Perpetual |
| | OEM Licensing policy | Per physical CPU | Per physical CPU |
| | Direct OEM support for 24x7 for 365 days with unlimited incident including the unlimited upgrades and updates | Yes | Yes |
| | Installation and demonstration included | No | Yes, No |
| | No of days Training Provided at Site (for maximum batch of 10) | 0 | 0, upto to 5, 6 to 10, 11 to 20, 21 to 30 |
| | Number of Years upto which Support is available from OEM / Franchise online | 3 | 3 |
| | FEATURES AND FUNCTIONALITY PARAMETERS FOR SERVER TYPE VIRTUALISATION | Number of Virtual machines with virtual processors can be created for all guest operating system supported by the hypervisor | 128 |
| Virtual TB RAM Capacity in virtual machines can be created for all guest operating system supported by the hypervisor | | 4 | 4 |
| Virtualisation directly on the bare metal server hardware with no dependence on a general purpose OS | | Yes | * |
| Capability of all virtual machines running on the servers to migrate another physical server in case of one server failure | | Yes | * |
| Capability of adding | | Yes | * |

| | | | |
|---|---|-----|---|
| | resources to virtual machines when needed | | |
| | Comprehensive, universal API support across all cloud platforms enabling full management of all system objects through the API | Yes | * |
| | Option to recover multiple sites into a single shared recovery site | No | * |
| | Capability for Site Recovery, Ensures VM availability (in another location) in the event of a site-wide outage | No | * |
| | The Hypervisor guest drivers to be included in Windows Updates, like simplifies/automates driver installation and upgrades | No | * |
| | Capability to integrate Hypervisor Introspection via Direct Inspect APIs, protects virtual environments from malware, antivirus, root kit exploits and zero day attacks | No | * |
| | Capability to support Workload Balancing, monitors resources and enables VM redistribution across hosts within a pool to optimize resource utilization | Yes | * |
| FEATURES AND FUNCTIONALITY PARAMETERS FOR NETWORK TYPE VIRTUALISATION | Logical Switching - Reproduce the L2 and L3 switching functionality in a virtual environment, decoupled from underlying hardware | No | * |
| | Logical Routing - Routing between logical switches, providing dynamic | No | * |

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|---|--|-----|---|
| | routing within different virtual networks | | |
| | Logical Firewall - Distributed firewall, kernel enabled line rate performance, virtualization and identity aware, with activity monitoring | No | * |
| | Logical Load Balancer - Solution should provide a server load balancer with features like SSL offload | No | * |
| | Logical VPN - The solution should provide L2VPN, SSLVPN, site-to-site IPSEC VPN services | No | * |
| | Support for Software Defined Networking and auto provisioning of networks | No | * |
| FEATURES AND FUNCTIONALITY PARAMETERS FOR CLOUD TYPE VIRTUALISATION | Policy-based orchestration with API support | Yes | * |
| | Capabilities to provide infrastructure orchestration | Yes | * |
| | Ability to orchestrate third-party integrations via APIs to simplify the use of complementary IT service management tools and products | Yes | * |
| | Ability to orchestrate third-party Load balancing, Firewall via API | Yes | * |
| | Ability to orchestrate third-party Monitoring and alerting tools via API | Yes | * |
| | Ability to orchestrate third-party ITSM/EMS tool via API | Yes | * |
| | Ability for workflows to include financial, business, and architectural approvals | Yes | * |
| | Capabilities around Configuration and | Yes | * |

| | | | |
|--|---|-----|---|
| | Change Management workflows | | |
| | Provision for automated with model-based orchestration of compute, network, storage, applications and custom services through a unified multi-tenant IT service catalog | Yes | * |
| | Provision for authorized administrators, developers and manage specific cloud and IT resources | Yes | * |
| FEATURES AND FUNCTIONALITY PARAMETERS FOR STORAGE TYPE VIRTUALISATION | Capabilities for Software defined Storage | No | * |
| | Capable to pools together server-attached flash devices and hard disks to provide shared datastore | No | * |
| | Combine storage capacity available with servers and allow the combined storage to use as Storage Area Network | No | * |
| FEATURES AND FUNCTIONALITY PARAMETERS FOR DESKTOP & APPLICATION VIRTUALIZATION | Capability to deliver Desktops and Applications as a Service | No | * |
| | Capability to deliver virtualized or hosted desktops and applications through a single platform to end users | No | * |
| | Desktops and applications that can be securely delivered and accessed through the digital workspace | No | * |
| | Capability to deliver application and desktop virtualization platform on premises, off premised or hybrid | No | * |
| | Capability to have | No | * |

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| | advanced desktop management | | |
| | Capability to provide anytime, anywhere access, secure access to desktops and applications | No | * |
| | Capability to support printing from direct attached printers, network printers & shared printers | No | * |
| | Capability to support all windows as well as Linux based applications and desktops | No | * |
| | Ability to restrict access to applications and desktops if the endpoint is not recognized by the organization | No | * |
| | Capability to integrate security which is able to watch guest memory in real time, detecting malware as it executes inside the VM | No | * |
| | Capability to encrypt end to end traffic from end user to network to controller/broker | No | * |
| FEATURES AND FUNCTIONALITY PARAMETERS (GENERIC) | In-built backup and recovery for virtual machines | No | * |
| | Support for provisioning per customer VPC/cloud provider account | Yes | * |
| | Centralized management with web-based interface capabilities | Yes | * |
| | Capability of performance monitoring for Physical Host and Virtual Machine | monitoring of CPU | * |
| | Capabilities of analytics, reporting and to identify over- | Yes | * |

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| provisioned resources | | |
| Capability to provide deep visibility into resource consumption trends | Yes | * |
| Allow administrators to optimize VM density and identify capacity shortfalls before they affect end users | No | * |
| Provide integrated smart alerts for health, performance and capacity degradation to identify building performance problems before they affect end users | Yes | * |
| Provide real-time, integrated dashboards of performance and capacity to enable a proactive management approach | Yes | * |
| Product capable to create and manage recovery plans directly from Virtualization Manager Console | No | * |
| Product capable to provide option to customize the shutdown of low-priority virtual machines at the failover site to get more resources or proper utilization of resources | No | * |
| Ability to automatically stop replication between sites and promotion of replicated storage for recovery | No | * |
| Ability to support the extension of recovery plans with custom scripts and also able to Control access to recovery plans with role-based access control | No | * |

| | | | |
|---|---|-----|---|
| | Ability to receive automatic alerts about possible site failure | No | * |
| | Ability to initiate recovery plan execution from virtualization manager with a single click | No | * |
| | Ability to automate failback to original production site using original recovery plan | No | * |
| | Inbuilt server virtualization component so that server and desktop/end devices work seamlessly | No | * |
| | Capability to collect and analyze network flows in real time and put them in the context of the virtual machines and applications | No | * |
| | Capability to provide comprehensive flow assessment and analytics to provide firewall rules suggestion for implementing a zero trust architecture | No | * |
| SUPPORTED HARDWARE REQUIREMENT PARAMETERS | Minimum Hard Disk Space requirements | - | * |
| | Minimum RAM Size requirements | - | * |
| | Server Type | - | * |
| | CPU requirements | - | * |
| | Operating Systems supported (Driver) , if any | - | * |
| | Supported Web browsers | - | * |
| GENERIC PARAMETERS OF VIRTUALISATION & CLOUD SOFTWARE | Maximum user handling capability | - | * |
| | Concurrent user handling capability | - | * |
| | Valid Licence copy to be provided | YES | * |

| | | |
|---------------------------------------|----------|---|
| Software supplied through | URL Link | * |
| List of items included in the package | - | * |
| Hyper link to Data sheet | - | * |
| No of Software Licenses sold | 100.0 | * |

* Bold specifications are the golden parameters.

Consignees/Reporting Officer and Quantity

| S.No. | Consignee/Reporting Officer | Address | Quantity | Delivery Days |
|-------|-----------------------------|--|----------|---------------|
| 1 | Peeru Chinnabbai | 500071,Railtel Corporation Of India Ltd. 2nd Floor, B-Block, RailNilayam, Secunderabad, Telangana - 500071 | 25 | 30 |

Virtualisation Cloud Software (60)

Technical Specifications

* [As per GeM Category Specification](#)

| Specification | Specification Name | Values | Bid Requirement (Allowed Values) |
|---|--|------------------|----------------------------------|
| BASIC INFORMATION OF VIRTUALISATION & CLOUD SOFTWARE (GOLDEN) | Software Domain / Type | Storage | Storage |
| | Name of Software | - | * |
| | Name of the OEM | - | * |
| | OEM Model / Part No | - | * |
| | Software Version/Name | - | * |
| FEATURES AND FUNCTIONALITY PARAMETERS(GOLDEN) | Licensing Type | Perpetual | Perpetual |
| | OEM Licensing policy | Per physical CPU | Per physical CPU |
| | Direct OEM support for 24x7 for 365 days with unlimited incident including the unlimited upgrades and updates | Yes | Yes |
| | Installation and demonstration included | No | Yes, No |

| | | | |
|--|---|----|---|
| | No of days Training Provided at Site (for maximum batch of 10) | 0 | 0, upto to 5, 6 to 10, 11 to 20, 21 to 30 |
| | Number of Years upto which Support is available from OEM / Franchise online | 3 | 3 |
| FEATURES AND FUNCTIONALITY PARAMETERS FOR SERVER TYPE VIRTUALISATION | Number of Virtual machines with virtual processors can be created for all guest operating system supported by the hypervisor | 8 | 8 |
| | Virtual TB RAM Capacity in virtual machines can be created for all guest operating system supported by the hypervisor | 1 | 1 |
| | Virtualisation directly on the bare metal server hardware with no dependence on a general purpose OS | No | * |
| | Capability of all virtual machines running on the servers to migrate another physical server in case of one server failure | No | * |
| | Capability of adding resources to virtual machines when needed | No | * |
| | Comprehensive, universal API support across all cloud platforms enabling full management of all system objects through the API | No | * |
| | Option to recover multiple sites into a single shared recovery site | No | * |
| | Capability for Site Recovery, Ensures VM availability (in another location) in the event of | No | * |

| | | | |
|---|---|----|---|
| | a site-wide outage | | |
| | The Hypervisor guest drivers to be included in Windows Updates, like simplifies/automates driver installation and upgrades | No | * |
| | Capability to integrate Hypervisor Introspection via Direct Inspect APIs, protects virtual environments from malware, antivirus, root kit exploits and zero day attacks | No | * |
| | Capability to support Workload Balancing, monitors resources and enables VM redistribution across hosts within a pool to optimize resource utilization | No | * |
| FEATURES AND FUNCTIONALITY PARAMETERS FOR NETWORK TYPE VIRTUALISATION | Logical Switching - Reproduce the L2 and L3 switching functionality in a virtual environment, decoupled from underlying hardware | No | * |
| | Logical Routing - Routing between logical switches, providing dynamic routing within different virtual networks | No | * |
| | Logical Firewall - Distributed firewall, kernel enabled line rate performance, virtualization and identity aware, with activity monitoring | No | * |
| | Logical Load Balancer - Solution should provide a server load balancer with features like SSL offload | No | * |
| | Logical VPN - The solution should provide L2VPN, SSLVPN, site-to- | No | * |

| | | | |
|---|---|------------------|-----|
| | site IPSEC VPN services | | |
| | Support for Software Defined Networking and auto provisioning of networks | No | * |
| FEATURES AND FUNCTIONALITY PARAMETERS FOR CLOUD TYPE VIRTUALISATION | Policy-based orchestration with API support | No | * |
| | Capabilities to provide infrastructure orchestration | No | * |
| | Ability to orchestrate third-party integrations via APIs to simplify the use of complementary IT service management tools and products | No | * |
| | Ability to orchestrate third-party Load balancing, Firewall via API | No | * |
| | Ability to orchestrate third-party Monitoring and alerting tools via API | No | * |
| | Ability to orchestrate third-party ITSM/EMS tool via API | No | * |
| | Ability for workflows to include financial, business, and architectural approvals | No | * |
| | Capabilities around Configuration and Change Management workflows | No | * |
| | Provision for automated with model-based orchestration of compute, network, storage, applications and custom services through a unified multi-tenant IT service catalog | No | * |
| | Provision for authorized administrators, developers and manage specific cloud and IT resources | No | * |
| | FEATURES AND | Capabilities for | Yes |

| | | | |
|---|--|-----|---|
| FUNCTIONALITY PARAMETERS FOR STORAGE TYPE VIRTUALISATION | Software defined Storage | | |
| | Capable to pools together server- attached flash devices and hard disks to provide shared datastore | Yes | * |
| | Combine storage capacity available with servers and allow the combined storage to use as Storage Area Network | Yes | * |
| FEATURES AND FUNCTIONALITY PARAMETERS FOR DESKTOP & APPLICATION VIRTUALIZATION | Capability to deliver Desktops and Applications as a Service | No | * |
| | Capability to deliver virtualized or hosted desktops and applications through a single platform to end users | No | * |
| | Desktops and applications that can be securely delivered and accessed through the digital workspace | No | * |
| | Capability to deliver application and desktop virtualization platform on premises, off premised or hybrid | No | * |
| | Capability to have advanced desktop management | No | * |
| | Capability to provide anytime, anywhere access, secure access to desktops and applications | No | * |
| | Capability to support printing from direct attached printers, network printers & shared printers | No | * |
| | Capability to support all windows as well as Linux based applications and desktops | No | * |

| | | | |
|---|---|-------------------|---|
| | Ability to restrict access to applications and desktops if the endpoint is not recognized by the organization | No | * |
| | Capability to integrate security which is able to watch guest memory in real time, detecting malware as it executes inside the VM | No | * |
| | Capability to encrypt end to end traffic from end user to network to controller/broker | No | * |
| FEATURES AND FUNCTIONALITY PARAMETERS (GENERIC) | In-built backup and recovery for virtual machines | No | * |
| | Support for provisioning per customer VPC/cloud provider account | No | * |
| | Centralized management with web-based interface capabilities | No | * |
| | Capability of performance monitoring for Physical Host and Virtual Machine | monitoring of CPU | * |
| | Capabilities of analytics, reporting and to identify over-provisioned resources | No | * |
| | Capability to provide deep visibility into resource consumption trends | No | * |
| | Allow administrators to optimize VM density and identify capacity shortfalls before they affect end users | No | * |
| | Provide integrated smart alerts for health, performance and capacity degradation to identify building performance problems before they affect end | No | * |

| | | |
|--|----|---|
| users | | |
| Provide real-time, integrated dashboards of performance and capacity to enable a proactive management approach | No | * |
| Product capable to create and manage recovery plans directly from Virtualization Manager Console | No | * |
| Product capable to provide option to customize the shutdown of low-priority virtual machines at the failover site to get more resources or proper utilization of resources | No | * |
| Ability to automatically stop replication between sites and promotion of replicated storage for recovery | No | * |
| Ability to support the extension of recovery plans with custom scripts and also able to Control access to recovery plans with role-based access control | No | * |
| Ability to receive automatic alerts about possible site failure | No | * |
| Ability to initiate recovery plan execution from virtualization manager with a single click | No | * |
| Ability to automate failback to original production site using original recovery plan | No | * |
| Inbuilt server virtualization component so that server and desktop/end devices work seamlessly | No | * |

| | | | |
|---|---|----------|---|
| | Capability to collect and analyze network flows in real time and put them in the context of the virtual machines and applications | No | * |
| | Capability to provide comprehensive flow assessment and analytics to provide firewall rules suggestion for implementing a zero trust architecture | No | * |
| SUPPORTED HARDWARE REQUIREMENT PARAMETERS | Minimum Hard Disk Space requirements | - | * |
| | Minimum RAM Size requirements | - | * |
| | Server Type | - | * |
| | CPU requirements | - | * |
| | Operating Systems supported (Driver) , if any | - | * |
| | Supported Web browsers | - | * |
| GENERIC PARAMETERS OF VIRTUALISATION & CLOUD SOFTWARE | Maximum user handling capability | - | * |
| | Concurrent user handling capability | - | * |
| | Valid Licence copy to be provided | YES | * |
| | Software supplied through | URL Link | * |
| | List of items included in the package | - | * |
| | Hyper link to Data sheet | - | * |
| | No of Software Licenses sold | 50.0 | * |

* Bold specifications are the golden parameters.

Consignees/Reporting Officer and Quantity

| S.No. | Consignee/Reporting Officer | Address | Quantity | Delivery Days |
|-------|-----------------------------|---|----------|---------------|
| 1 | Peeru Chinnabbai | 500071,Railtel Corporation Of India Ltd. 2nd Floor, B-Block, RailNilayam, | 60 | 30 |

Virtualisation Cloud Software (25)

Technical Specifications

[* As per GeM Category Specification](#)

| Specification | Specification Name | Values | Bid Requirement (Allowed Values) |
|---|--|---|---|
| BASIC INFORMATION OF VIRTUALISATION & CLOUD SOFTWARE (GOLDEN) | Software Domain / Type | Network | Network |
| | Name of Software | - | * |
| | Name of the OEM | - | * |
| | OEM Model / Part No | - | * |
| | Software Version/Name | - | * |
| FEATURES AND FUNCTIONALITY PARAMETERS(GOLDEN) | Licensing Type | Perpetual | Perpetual |
| | OEM Licensing policy | Per physical CPU | Per physical CPU |
| | Direct OEM support for 24x7 for 365 days with unlimited incident including the unlimited upgrades and updates | Yes | Yes |
| | Installation and demonstration included | No | Yes, No |
| | No of days Training Provided at Site (for maximum batch of 10) | 0 | 0, upto to 5, 6 to 10, 11 to 20, 21 to 30 |
| | Number of Years upto which Support is available from OEM / Franchise online | 3 | 3 |
| | FEATURES AND FUNCTIONALITY PARAMETERS FOR SERVER TYPE VIRTUALISATION | Number of Virtual machines with virtual processors can be created for all guest operating system supported by the hypervisor | 8 |
| Virtual TB RAM Capacity in virtual machines can be created for all guest | | 1 | 1 |

| operating system supported by the hypervisor | | |
|---|----|---|
| Virtualisation directly on the bare metal server hardware with no dependence on a general purpose OS | No | * |
| Capability of all virtual machines running on the servers to migrate another physical server in case of one server failure | No | * |
| Capability of adding resources to virtual machines when needed | No | * |
| Comprehensive, universal API support across all cloud platforms enabling full management of all system objects through the API | No | * |
| Option to recover multiple sites into a single shared recovery site | No | * |
| Capability for Site Recovery, Ensures VM availability (in another location) in the event of a site-wide outage | No | * |
| The Hypervisor guest drivers to be included in Windows Updates, like simplifies/automates driver installation and upgrades | No | * |
| Capability to integrate Hypervisor Introspection via Direct Inspect APIs, protects virtual environments from malware, antivirus, root kit exploits and zero day attacks | No | * |
| Capability to support Workload Balancing, monitors resources and enables VM | No | * |

| | | | |
|---|--|-----|---|
| | redistribution across hosts within a pool to optimize resource utilization | | |
| FEATURES AND FUNCTIONALITY PARAMETERS FOR NETWORK TYPE VIRTUALISATION | Logical Switching - Reproduce the L2 and L3 switching functionality in a virtual environment, decoupled from underlying hardware | Yes | * |
| | Logical Routing - Routing between logical switches, providing dynamic routing within different virtual networks | Yes | * |
| | Logical Firewall - Distributed firewall, kernel enabled line rate performance, virtualization and identity aware, with activity monitoring | Yes | * |
| | Logical Load Balancer - Solution should provide a server load balancer with features like SSL offload | Yes | * |
| | Logical VPN - The solution should provide L2VPN, SSLVPN, site-to-site IPSEC VPN services | Yes | * |
| | Support for Software Defined Networking and auto provisioning of networks | Yes | * |
| FEATURES AND FUNCTIONALITY PARAMETERS FOR CLOUD TYPE VIRTUALISATION | Policy-based orchestration with API support | No | * |
| | Capabilities to provide infrastructure orchestration | No | * |
| | Ability to orchestrate third-party integrations via APIs to simplify the use of complementary IT service management tools and products | No | * |
| | Ability to orchestrate third-party Load balancing, Firewall via | No | * |

| | | | |
|--|---|----|---|
| | API | | |
| | Ability to orchestrate third-party Monitoring and alerting tools via API | No | * |
| | Ability to orchestrate third-party ITSM/EMS tool via API | No | * |
| | Ability for workflows to include financial, business, and architectural approvals | No | * |
| | Capabilities around Configuration and Change Management workflows | No | * |
| | Provision for automated with model-based orchestration of compute, network, storage, applications and custom services through a unified multi-tenant IT service catalog | No | * |
| | Provision for authorized administrators, developers and manage specific cloud and IT resources | No | * |
| FEATURES AND FUNCTIONALITY PARAMETERS FOR STORAGE TYPE VIRTUALISATION | Capabilities for Software defined Storage | No | * |
| | Capable to pools together server-attached flash devices and hard disks to provide shared datastore | No | * |
| | Combine storage capacity available with servers and allow the combined storage to use as Storage Area Network | No | * |
| FEATURES AND FUNCTIONALITY PARAMETERS FOR DESKTOP & APPLICATION VIRTUALIZATION | Capability to deliver Desktops and Applications as a Service | No | * |
| | Capability to deliver virtualized or hosted desktops and | No | * |

| | | | |
|---|---|----|---|
| | applications through a single platform to end users | | |
| | Desktops and applications that can be securely delivered and accessed through the digital workspace | No | * |
| | Capability to deliver application and desktop virtualization platform on premises, off premised or hybrid | No | * |
| | Capability to have advanced desktop management | No | * |
| | Capability to provide anytime, anywhere access, secure access to desktops and applications | No | * |
| | Capability to support printing from direct attached printers, network printers & shared printers | No | * |
| | Capability to support all windows as well as Linux based applications and desktops | No | * |
| | Ability to restrict access to applications and desktops if the endpoint is not recognized by the organization | No | * |
| | Capability to integrate security which is able to watch guest memory in real time, detecting malware as it executes inside the VM | No | * |
| | Capability to encrypt end to end traffic from end user to network to controller/broker | No | * |
| FEATURES AND FUNCTIONALITY PARAMETERS (GENERIC) | In-built backup and recovery for virtual machines | No | * |
| | Support for provisioning per | No | * |

| | | |
|--|-------------------|---|
| customer VPC/cloud provider account | | |
| Centralized management with web-based interface capabilities | No | * |
| Capability of performance monitoring for Physical Host and Virtual Machine | monitoring of CPU | * |
| Capabilities of analytics, reporting and to identify over-provisioned resources | No | * |
| Capability to provide deep visibility into resource consumption trends | No | * |
| Allow administrators to optimize VM density and identify capacity shortfalls before they affect end users | No | * |
| Provide integrated smart alerts for health, performance and capacity degradation to identify building performance problems before they affect end users | No | * |
| Provide real-time, integrated dashboards of performance and capacity to enable a proactive management approach | No | * |
| Product capable to create and manage recovery plans directly from Virtualization Manager Console | No | * |
| Product capable to provide option to customize the shutdown of low-priority virtual machines at the failover site to get more resources or proper utilization of resources | No | * |

| | | | |
|---|---|----|---|
| | Ability to automatically stop replication between sites and promotion of replicated storage for recovery | No | * |
| | Ability to support the extension of recovery plans with custom scripts and also able to Control access to recovery plans with role-based access control | No | * |
| | Ability to receive automatic alerts about possible site failure | No | * |
| | Ability to initiate recovery plan execution from virtualization manager with a single click | No | * |
| | Ability to automate failback to original production site using original recovery plan | No | * |
| | Inbuilt server virtualization component so that server and desktop/end devices work seamlessly | No | * |
| | Capability to collect and analyze network flows in real time and put them in the context of the virtual machines and applications | No | * |
| | Capability to provide comprehensive flow assessment and analytics to provide firewall rules suggestion for implementing a zero trust architecture | No | * |
| SUPPORTED HARDWARE REQUIREMENT PARAMETERS | Minimum Hard Disk Space requirements | - | * |
| | Minimum RAM Size requirements | - | * |
| | Server Type | - | * |
| | CPU requirements | - | * |

| | | | |
|---|---|----------|---|
| | Operating Systems supported (Driver) , if any | - | * |
| | Supported Web browsers | - | * |
| GENERIC PARAMETERS OF VIRTUALISATION & CLOUD SOFTWARE | Maximum user handling capability | - | * |
| | Concurrent user handling capability | - | * |
| | Valid Licence copy to be provided | YES | * |
| | Software supplied through | URL Link | * |
| | List of items included in the package | - | * |
| | Hyper link to Data sheet | - | * |
| | No of Software Licenses sold | 100 | * |

* Bold specifications are the golden parameters.

Consignees/Reporting Officer and Quantity

| S.No. | Consignee/Reporting Officer | Address | Quantity | Delivery Days |
|-------|-----------------------------|--|----------|---------------|
| 1 | Peeru Chinnabbai | 500071,Railtel Corporation Of India Ltd. 2nd Floor, B-Block, RailNilayam, Secunderabad, Telangana - 500071 | 25 | 30 |

Virtualisation Cloud Software (1)

Technical Specifications

[* As per GeM Category Specification](#)

| Specification | Specification Name | Values | Bid Requirement (Allowed Values) |
|---|-------------------------------|-----------|----------------------------------|
| BASIC INFORMATION OF VIRTUALISATION & CLOUD SOFTWARE (GOLDEN) | Software Domain / Type | Server | Server |
| | Name of Software | - | * |
| | Name of the OEM | - | * |
| | OEM Model / Part No | - | * |
| | Software Version/Name | - | * |
| FEATURES AND | Licensing Type | Perpetual | Perpetual |

| | | | |
|--|---|------------------|---|
| FUNCTIONALITY PARAMETERS(GOLDEN) | OEM Licensing policy | Per physical CPU | Per physical CPU |
| | Direct OEM support for 24x7 for 365 days with unlimited incident including the unlimited upgrades and updates | Yes | Yes |
| | Installation and demonstration included | No | Yes, No |
| | No of days Training Provided at Site (for maximum batch of 10) | 0 | 0, upto to 5, 6 to 10, 11 to 20, 21 to 30 |
| | Number of Years upto which Support is available from OEM / Franchise online | 3 | 3 |
| FEATURES AND FUNCTIONALITY PARAMETERS FOR SERVER TYPE VIRTUALISATION | Number of Virtual machines with virtual processors can be created for all guest operating system supported by the hypervisor | 8 | 8 |
| | Virtual TB RAM Capacity in virtual machines can be created for all guest operating system supported by the hypervisor | 1 | 1 |
| | Virtualisation directly on the bare metal server hardware with no dependence on a general purpose OS | No | * |
| | Capability of all virtual machines running on the servers to migrate another physical server in case of one server failure | No | * |
| | Capability of adding resources to virtual machines when needed | No | * |
| | Comprehensive, universal API support across all cloud platforms enabling full | No | * |

| | | | |
|---|---|-----|---|
| | management of all system objects through the API | | |
| | Option to recover multiple sites into a single shared recovery site | Yes | * |
| | Capability for Site Recovery, Ensures VM availability (in another location) in the event of a site-wide outage | Yes | * |
| | The Hypervisor guest drivers to be included in Windows Updates, like simplifies/automates driver installation and upgrades | No | * |
| | Capability to integrate Hypervisor Introspection via Direct Inspect APIs, protects virtual environments from malware, antivirus, root kit exploits and zero day attacks | No | * |
| | Capability to support Workload Balancing, monitors resources and enables VM redistribution across hosts within a pool to optimize resource utilization | No | * |
| FEATURES AND FUNCTIONALITY PARAMETERS FOR NETWORK TYPE VIRTUALISATION | Logical Switching - Reproduce the L2 and L3 switching functionality in a virtual environment, decoupled from underlying hardware | No | * |
| | Logical Routing - Routing between logical switches, providing dynamic routing within different virtual networks | No | * |
| | Logical Firewall - Distributed firewall, kernel enabled line rate performance, | No | * |

| | | | |
|---|--|----|---|
| | virtualization and identity aware, with activity monitoring | | |
| | Logical Load Balancer - Solution should provide a server load balancer with features like SSL offload | No | * |
| | Logical VPN - The solution should provide L2VPN, SSLVPN, site-to-site IPSEC VPN services | No | * |
| | Support for Software Defined Networking and auto provisioning of networks | No | * |
| FEATURES AND FUNCTIONALITY PARAMETERS FOR CLOUD TYPE VIRTUALISATION | Policy-based orchestration with API support | No | * |
| | Capabilities to provide infrastructure orchestration | No | * |
| | Ability to orchestrate third-party integrations via APIs to simplify the use of complementary IT service management tools and products | No | * |
| | Ability to orchestrate third-party Load balancing, Firewall via API | No | * |
| | Ability to orchestrate third-party Monitoring and alerting tools via API | No | * |
| | Ability to orchestrate third-party ITSM/EMS tool via API | No | * |
| | Ability for workflows to include financial, business, and architectural approvals | No | * |
| | Capabilities around Configuration and Change Management workflows | No | * |
| | Provision for automated with model-based orchestration of compute, network, | No | * |

| | | | |
|--|---|----|---|
| | storage, applications and custom services through a unified multi-tenant IT service catalog | | |
| | Provision for authorized administrators, developers and manage specific cloud and IT resources | No | * |
| FEATURES AND FUNCTIONALITY PARAMETERS FOR STORAGE TYPE VIRTUALISATION | Capabilities for Software defined Storage | No | * |
| | Capable to pools together server-attached flash devices and hard disks to provide shared datastore | No | * |
| | Combine storage capacity available with servers and allow the combined storage to use as Storage Area Network | No | * |
| FEATURES AND FUNCTIONALITY PARAMETERS FOR DESKTOP & APPLICATION VIRTUALIZATION | Capability to deliver Desktops and Applications as a Service | No | * |
| | Capability to deliver virtualized or hosted desktops and applications through a single platform to end users | No | * |
| | Desktops and applications that can be securely delivered and accessed through the digital workspace | No | * |
| | Capability to deliver application and desktop virtualization platform on premises, off premised or hybrid | No | * |
| | Capability to have advanced desktop management | No | * |
| | Capability to provide anytime, anywhere access, secure access to desktops and | No | * |

| | | | |
|---|---|-------------------|---|
| | applications | | |
| | Capability to support printing from direct attached printers, network printers & shared printers | No | * |
| | Capability to support all windows as well as Linux based applications and desktops | No | * |
| | Ability to restrict access to applications and desktops if the endpoint is not recognized by the organization | No | * |
| | Capability to integrate security which is able to watch guest memory in real time, detecting malware as it executes inside the VM | No | * |
| | Capability to encrypt end to end traffic from end user to network to controller/broker | No | * |
| FEATURES AND FUNCTIONALITY PARAMETERS (GENERIC) | In-built backup and recovery for virtual machines | No | * |
| | Support for provisioning per customer VPC/cloud provider account | No | * |
| | Centralized management with web-based interface capabilities | No | * |
| | Capability of performance monitoring for Physical Host and Virtual Machine | monitoring of CPU | * |
| | Capabilities of analytics, reporting and to identify over-provisioned resources | No | * |
| | Capability to provide deep visibility into resource consumption trends | No | * |

| | | |
|--|-----|---|
| Allow administrators to optimize VM density and identify capacity shortfalls before they affect end users | No | * |
| Provide integrated smart alerts for health, performance and capacity degradation to identify building performance problems before they affect end users | No | * |
| Provide real-time, integrated dashboards of performance and capacity to enable a proactive management approach | No | * |
| Product capable to create and manage recovery plans directly from Virtualization Manager Console | Yes | * |
| Product capable to provide option to customize the shutdown of low-priority virtual machines at the failover site to get more resources or proper utilization of resources | No | * |
| Ability to automatically stop replication between sites and promotion of replicated storage for recovery | No | * |
| Ability to support the extension of recovery plans with custom scripts and also able to Control access to recovery plans with role-based access control | Yes | * |
| Ability to receive automatic alerts about possible site failure | Yes | * |
| Ability to automate failback to original production site using | Yes | * |

| | | | |
|---|---|----------|---|
| | original recovery plan | | |
| | Inbuilt server virtualization component so that server and desktop/end devices work seamlessly | No | * |
| | Capability to collect and analyze network flows in real time and put them in the context of the virtual machines and applications | No | * |
| | Capability to provide comprehensive flow assessment and analytics to provide firewall rules suggestion for implementing a zero trust architecture | No | * |
| SUPPORTED HARDWARE REQUIREMENT PARAMETERS | Minimum Hard Disk Space requirements | - | * |
| | Minimum RAM Size requirements | - | * |
| | Server Type | - | * |
| | CPU requirements | - | * |
| | Operating Systems supported (Driver) , if any | - | * |
| | Supported Web browsers | - | * |
| GENERIC PARAMETERS OF VIRTUALISATION & CLOUD SOFTWARE | Maximum user handling capability | - | * |
| | Concurrent user handling capability | - | * |
| | Valid Licence copy to be provided | YES | * |
| | Software supplied through | URL Link | * |
| | List of items included in the package | - | * |
| | Hyper link to Data sheet | - | * |
| | No of Software Licenses sold | 50.0 | * |

* Bold specifications are the golden parameters.

Consignees/Reporting Officer and Quantity

| S.No. | Consignee/Reporting Officer | Address | Quantity | Delivery Days |
|-------|-----------------------------|--|----------|---------------|
| 1 | Peeru Chinnabbai | 500071,Railtel Corporation Of India Ltd. 2nd Floor, B-Block, RailNilayam, Secunderabad, Telangana - 500071 | 1 | 30 |

EMD Detail

| | |
|-------------------|---------------------|
| Advisory Bank | State Bank of India |
| EMD Percentage(%) | 2.00 |
| EMD Amount | 1014352 |

ePBG Detail

| | |
|-------------------------------------|---------------------|
| Advisory Bank | State Bank of India |
| ePBG Percentage(%) | 10.00 |
| Duration of ePBG required (Months). | 39 |

Splitting

Bid splitting not applied.

Buyer Specific Additional Terms and Conditions

- 1. Scope of supply (Bid price to include all cost components) :** Supply Installation Testing and Commissioning of Goods
- 2. Dedicated toll Free Telephone No. for Service Support :** BIDDER /OEM must have **Dedicated toll Free Telephone No. for Service Support**
- 3. Malicious Code Certificate:**

The seller should upload following certificate in the bid:-
(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-
(i) Inhibit the desires and designed function of the equipment.
(ii) Cause physical damage to the user or equipment during the exploitation.
(iii) Tap information resident or transient in the equipment/network.
(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.
- 4. The Purchaser reserves the right to increase or decrease the ordered quantity up to 25 percent at the time of placement of contract . The purchaser also reserves the right to increase the contracted qty up to 25% during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly**

[This Bid is also governed by the General Terms and Conditions](#)

---Thank You---