

Standard Operating Procedure

Subject: Standard Operating Procedure (SOP) for Availing Cloud Services through Empanelled CSPs/MSPs.

NICSI provides cloud services through the following two engagement models:

1) MeghRaj 2.0 Model

Under the MeghRaj 2.0 framework, cloud infrastructure shall be hosted within Government-owned National Data Centres (NDCs) and operated through designated Indian Cloud Partners engaged by NICSI under a Public-Private Partnership (PPP) model. The services shall be delivered under the governance and oversight of NIC/NICSI, ensuring compliance with Government security, data sovereignty, and regulatory requirements. The ICP involved under these models are:

- M/s Jio Platforms Limited
- M/s Yotta Data Services Pvt Ltd

2) CSP/MSP Empanelment Model

Under the CSP/MSP Empanelment framework, cloud services shall be provided by NICSI-empanelled Cloud Service Providers (CSPs) and Managed Service Providers (MSPs) using their own cloud infrastructure and data centres. The selected provider shall be responsible for hosting, management, service delivery, security, and compliance in accordance with applicable MeitY, CERT-In, and NICSI guidelines. Cloud services shall be available through CSPs/MSPs under the NICSI empanelment framework. The list of MSPs alongwith their CSP are as follows:

Tier	Empanelled MSP	Linked CSP
Tier-2	Tata Communications Ltd	Tata Communications Ltd
Tier-2	Hitachi Systems India Pvt Ltd	Tata Communications Ltd
Tier-2	Yotta Data Services Pvt Ltd	Yotta Data Services Pvt Ltd
Tier-2	Jio Platforms Ltd	Jio Platforms Ltd
Tier-3	SISL Infotech Pvt Ltd	Google Cloud Platform
Tier-3	Amnex Infotechnologies Pvt Ltd	Google Cloud Platform
Tier-3	Arsenal Infosolutions Pvt Ltd	Google Cloud Platform
Tier-3	Tata Consultancy Services Ltd	Tata Consultancy Services Ltd



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Step 1: Submission of Requirement

The User Department shall submit its Cloud Service requirement to NICSI at official email ID: cspmsp@nicsi.nic.in, clearly indicating the scope of work, type of cloud resources/ services required, estimated quantity, expected duration, and any other specific technical, functional requirements or architecture diagram.

Step 2: Circulation of Requirement

NICSI shall communicate/share the Cloud Service requirements received from the User Department with all eight (8) empanelled CSPs/MSPs, as applicable, for submission of their respective proposals.

Step 3: Submission of Proposals

The selected empanelled CSPs/MSP shall submit their technical and financial proposals, including the detailed Bill of Quantities (BoQ), to the User Department. The CSPs/MSPs may also be required to deliver a technical presentation to the user department on the proposed solution and availability of services.

Step 4: Evaluation and Selection of Agency

The user department shall evaluate the proposals and select the agency. The user department will officially inform NICSI about the selection of the agency along with the finalized proposal. The communication on selection of agency should come from a competent authority of the department, the Joint Secretary level officer.

Step 5: Issue of Proforma Invoice (PI)

Based on the approved and signed technical and financial proposals received from the competent authority of the User Department, NICSI will prepare and issue the Proforma Invoice (PI) for the approved Cloud Services.

Step 6: Release of Funds and Issue of Work Order

User department shall transfer the requisite advance funds to NICSI against the proforma invoice in accordance with the provisions of the General Financial Rules (GFR). Upon receipt of the funds, NICSI shall issue the work order to the selected Cloud Service Provider (CSP)/Managed Service Provider (MSP).

Step 7: Service Provisioning

The selected CSP/MSP shall provision the cloud services as per the work order and complete the deployment within the agreed timelines. The CSP/MSP shall provide the required cloud resources/services and ensure compliance with the agreed Service Level Agreements (SLAs).

Step 8: Billing and Payment Process

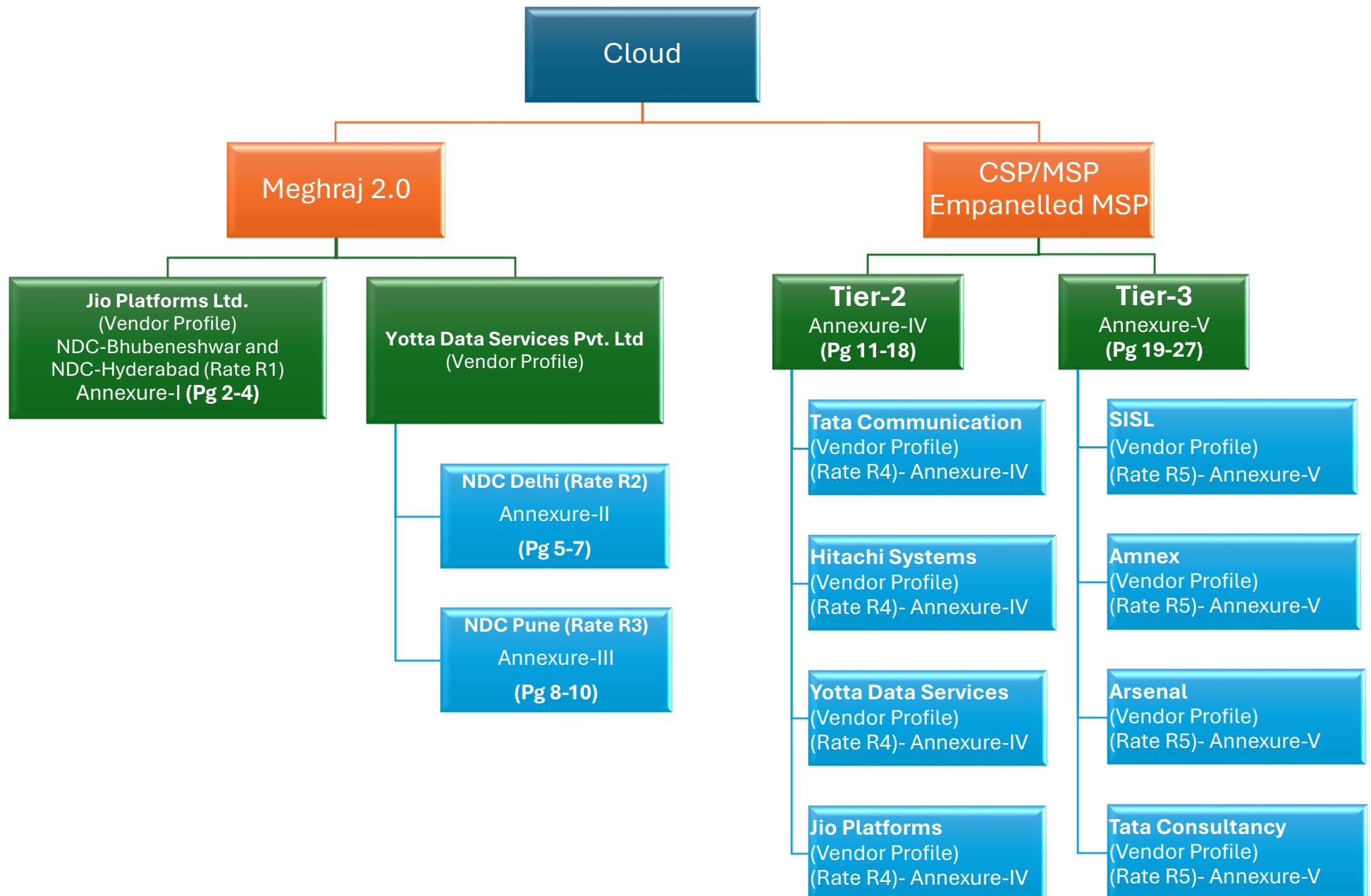
The CSP/MSP shall submit invoice(s) to NICSI, along with the following documents in accordance with the terms and conditions of the work order.

1. Copy of work order issued by NICSI.
2. Summary of resource utilization for the invoicing period signed by the user ministry / department
3. Satisfactory service delivery certificate signed by the competent authority of the user ministry/department for the invoicing period.


(Authorized Signatory) 18/09/2016

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कंपनी सचिव / Company Secretary
नेशनल इन्फोमेटिक्स सेंटर सर्विसिज़ इन्कॉर्पोरेटेड
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USER GUIDELINES SOP FOR CLOUD





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(A Government of India Enterprise under NIC)
इलेक्ट्रॉनिकी और सूचना प्रौद्योगिकी मंत्रालय
Ministry of Electronics and Information Technology



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Annexure-I

Empanelment No. 10(27)/2022-NICSI

Meghraj 2.0 - NDC-Bhubaneshwar and Hyderabad

Empanelled Vendor: M/s Jio Platforms Ltd

#	Service Name	Unit of measure	Unit Price (in Rs.) (without tax)
1	VM of 2 vCPU, 4 GB RAM	Per VM / Hour	2.24
2	VM of 2 vCPU, 8 GB RAM	Per VM / Hour	2.66
3	VM of 2 vCPU, 16 GB RAM	Per VM / Hour	3.42
4	Windows 2 Core License	Per VM / Hour	6.08
5	RHEL 2 Core Premium Subscription	Per VM / Hour	3.94
6	Ubuntu 2 Core LTS 24 x 7 Subscription	Per VM / Hour	-
7	Block Storage - SSD - 100 GB minimum 50 IOPS per 100 GB	Per GB Storage /Hour	0.25
8	Block Storage - SSD - 100GB minimum 150 IOPS per 100 GB	Per GB Storage /Hour	0.45
9	Block Storage - SSD - 100 GB minimum 200 IOPS per 100 GB	Per GB Storage /Hour	0.71
10	Backup Storage – 100GB	Per GB Storage /Hour	0.46
11	SMB for Windows storage SSD– 100 GB	Per GB Storage /Hour	0.22
12	NFS storage – 100GB SSD	Per GB Storage /Hour	0.63
13	Object storage – 100GB	Per GB Storage /Hour	0.45
14	Low-cost object storage -100 GB	Per GB Storage /Hour	0.27
15	Block Storage - SSD - 100 GB minimum 250 IOPS per 100 GB	Per GB Storage /Hour	0.71
16	Bandwidth Lease Line (Internet/Intranet)	Per 100 Mbps /Month	14,375.00
17	NAT gateway	Throughput in Mbps	2.40
18	VPN (site to site) each connection supporting 10 sites	Per VPN Connection / Month	11,162.11
19	VPN (client site) each connection supporting 120 clients	Per VPN Connection / Month	-
20	Application load Balancer	Throughput in Mbps	19.92
21	Next Gen Firewall	Throughput in Mbps	82.18

22	WAF	Throughput in Mbps	35.85
23	HSM - 10 Keys	No of Keys/Month	162.01
24	SSL certificate	Per Certificate /Month	1,664.69
25	Postgres - 4 vCPU: 32 GB RAM	Per VM / Hour	16.06
26	MySQL - 4 vCPU: 32 GB RAM	Per VM / Hour	15.21
27	MS SQL (Enterprise) - 4 vCPU: 32 GB RAM	Per VM / Hour	30.14
28	MongoDB - 4 vCPU: 32 GB RAM	Per VM / Hour	7.33
29	Redis - 4 vCPU: 64 GB RAM	Per VM / Hour	59.17
30	Kubernetes - 1 Worker Node 4 vCPU: 16 GB RAM	Per VM / Hour	5.31
31	Kubernetes - 1 Master Node 4 vCPU: 16 GB RAM (Can be provided from Public Cloud)	Per VM / Hour	5.31
32	Kubernetes Cluster Management Service	Per Cluster/Hour	-
33	Back-up as a service/Backup target should be at NIC Data center and to be part of proposed cloud infrastructure	Per GB /month	5.22
34	DR as a service	Per Instance /Month	1,155.19
35	Data Migration as a Service – per 100 GB	Instance +Storage / Month	-
36	Database Migration as a Service – Source and Destination as same DB type – Per 100GB	Storage/activity	519.23
37	Database Migration as a Service – Source and Destination as diff DB types – Per	Storage/activity	1,081.92
38	Resource optimization and cost management	Node/Activity	373.64
39	API gateway (throughput 2500 Mbps)	No. APIRequest / Month	32,247.13
40	DNS service	No of DNS Queries (Millions) / month	42.26
41	Egress Bandwidth	Per Mbps /Month	22.54
42	CDN	Per GB data egress / Month	74.19
43	Load balancer - network	Throughput inMbps	1.4956
44	Public IP	IP/Month	342.80
45	Multi-factor authentication - 100 Identities	Per User /Month	169.05
46	DDOS (Layer 3 & 4)	Throughput in Mbps	-
47	DDOS Layer7	Throughput in Mbps	2.27
48	SIEM - 500 EPS	EPS	27.79
49	MDM - 100 Devices	Per Device /month	209.48
50	Vulnerability scanning	Per Instance /Month	138.22
51	Anti-malware	Per License Per VM / Month	138.00
52	KMS - 10 Keys	No of Keys/Month	998.81
53	Hadoop (committed usage for 1 year) - 16vCPU : 128 GB RAM	Per VM/hour	88.94

54	Cassandra (committed usage for 1 year) - 16 vCPU : 128 GB RAM	Per VM/hour	145.26
55	Hadoop (committed usage for 3 year) - 16vCPU : 128 GB RAM	Per VM/hour	88.94
56	Cassandra (committed usage for 3 year) - 16 vCPU : 128 GB RAM	Per VM/hour	145.26
57	Hadoop (on-demand usage) - 16 vCPU : 128 GB RAM	Per VM/hour	88.94
58	Cassandra (on-demand usage) - 16 vCPU : 128 GB RAM	Per VM/hour	145.26
59	Kafka - 4vCPU : 16 GB RAM (2 nodes)	Per VM / Hour	0.85
60	Serverless	/GB sec; per req	2,124.42
61	Video Streaming Service	Instance/ GB /Month	1,817.30
62	Email as a Service **	Per Mailbox(50GB)/month	656.19
63	Email as a Service **	Per Mailbox(100GB)/month	1,074.33
64	Messaging Service	Per Msg GW/Month	833.82
65	Cloud Infrastructure, service and workload monitoring.	Per Node/Month	817.08

Important Notes:

- Item Unit Cost mentioned above is in INR and without Tax (GST) and Operating Margin of NICS.
- The rate mentioned above will be valid for the period of contract. The period can be extended with mutual agreement.
 - a. The rates finalized will not be changed throughout the period of empanelment/extended empanelment except for the applicability of Price Revision clause.
 - b. GST and other taxes will be as per actuals.



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Annexure-II

Empanelment No. NICSI/As-is/Delhi/o1

Meghraj 2.0 - NDC-Delhi

Empanelled Vendor: M/s Yotta Data Services Pvt Ltd

#	Service Name	Unit of measure	Unit Rates (in Rs.) (without tax)
1	VM of 2 vCPU, 4 GB RAM	Per VM / Hour	1.84
2	VM of 2 vCPU, 8 GB RAM	Per VM / Hour	2.36
3	VM of 2 vCPU, 16 GB RAM	Per VM / Hour	3.34
4	VM of 8 vCPU/CPU, 1GPU, 24GB GPU memory, 24GB RAM, 10/25 Gbps network (GPU instance - Low profile)	Per VM / Hour	24.60
5	VM of 32 vCPU/CPU, 2GPU, 48GB GPU memory, 48GB RAM, 10/25 Gbps network (GPU instance - Low profile)	Per VM / Hour	49.20
6	VM of 64 vCPU/CPU, 4GPU, 96GB GPU memory, 128GB RAM, 10/25 Gbps network (GPU instance - Low profile)	Per VM / Hour	98.39
7	VM of 32 vCPU/CPU, 1GPU, 80GB GPU memory, 128GB RAM, 10/25 Gbps network (GPU instance - High profile)	Per VM / Hour	205.00
8	Windows 2 Core License	Per VM / Hour	5.75
9	RHEL 2 Core Premium Subscription	Per VM / Hour	1.92
10	Ubuntu 2 Core LTS 24 x 7 Subscription	Per VM / Hour	0.00
11	Block Storage – SSD – 100 GB (Minimum 50 IOPS per 100 GB)	Per 100 GB Storage / Hour	0.24
12	Block Storage – SSD – 100 GB (Minimum 150 IOPS per 100 GB)		0.44
13	Block Storage – SSD – 100 GB (Minimum 200 IOPS per 100 GB)		0.69
14	Block Storage – SSD – 100 GB (Minimum 250 IOPS per 100 GB)		0.69
15	Enterprise Object storage - 100GB SSD		0.44
16	File share storage – 100 GB SSD		0.25
18	Backup Storage 100 GB		0.79
19	Low-cost object storage - 100GB		0.26
20	Application load Balancer - L7		0.48

21	Network Load Balancer – L4		0.67
22	Next Gen Firewall	Throughput in Mbps/ Hour	0.81
23	WAF - 2 MBPS Throughput No of request	Throughput in Mbps (clean traffic) / Hour	0.87
24	WAF - 5 MBPS Throughput No of request	Throughput in Mbps (clean traffic) / Hour	0.87
25	HSM - 10 Keys	No. of Keys /Month	143.75
26	SSL certificate	Per Certificate / Month	1627.24
27	SIEM – 500 EPS	EPS	99.19
28	Anti-malware – 100 Devices	Per License Per VM / Month	7908.55
29	Log analysis or log visualisation as a Service	Per GB/month	27882.70
30	Vulnerability Assessment as a service	Instance scanned / Month	119.77
31	DDoS as a service (Layer 3 and 4)	Throughput in Mbps/Hour	0.14
32	DDoS as a service (Layer 7)		0.16
33	Identity and Access Management (IDAM)	Per user	0.00
34	Server Security AV	Per VM/Month	134.90
35	Postgres - 4 vCPU: 32 GB RAM with enterprise support	Per VM / Hour	17.25
36	Postgres - 4 vCPU: 32 GB RAM	Per VM / Hour	15.70
37	MySQL - 4 vCPU: 32 GB RAM with enterprise support	Per VM / Hour	16.10
38	MySQL - 4 vCPU: 32 GB RAM	Per VM / Hour	14.87
39	MS SQL (Enterprise) – 4 vCPU: 32 GB RAM with enterprise support	Per VM / Hour	29.46
40	MS SQL (Standard) - 4 vCPU: 32 GB RAM with enterprise support	Per VM / Hour	31.05
41	MongoDB - 4 vCPU: 32 GB RAM	Per VM / Hour	7.16
42	MongoDB (Enterprise)- 4vCPU: 32 GB RAM with enterprise support	Per VM / Hour	13.80
43	Redis - 4 vCPU: 64 GB RAM	Per VM / Hour	46.00
44	Distributed NoSQL DB – 4 vCPU: 64GB RAM	Per VM / Hour	56.35
45	Cassandra DB (On Demand) – 16 vCPU: 128 GB RAM	Per VM / Hour	56.35
46	Cassandra DB (Enterprise) – 16 vCPU: 128 GB RAM with enterprise support	Per VM / Hour	152.09
47	Open search - 32 vCPU, 128 GB RAM	Per VM / Hour	86.80
48	Elasticsearch Enterprise - 16 vCPU, 64 GB RAM	Per VM / Hour	86.80
49	Hadoop – 16 vCPU: 128 GB RAM	Per VM/hour	19.84
50	Hadoop (on-demand usage) – 16 vCPU: 128 GB RAM	Per VM/hour	17.25
51	Kubernetes - 1 Worker Node 4 vCPU: 16 GB RAM	Per VM / Hour	5.18
52	Kubernetes - 1 Master Node 4 vCPU: 16 GB RAM (to be provided from on-prem Cloud Stack)	Per VM / Hour	5.18
53	Kubernetes Cluster Management Service	Per Cluster/Hour	0.00
54	Kafka – 4vCPU: 16 GB RAM (2 nodes)	Per VM / Hour	115.00
55	Message Queue/Rabbit MQ – 4vCPU: 16 GB RAM (2 nodes)	Per VM / Hour	57.50
56	Back-up as a service (Backup target should be at NIC Data Centre and to be part of proposed cloud infrastructure)	Per GB /month	1.73

57	Storage based replication (RPO/RTO)	Per GB /month	1.59
58	Host based replication (RPO/RTO)	Per Instance / Month	2.45
59	Data Migration as a Service – per 100 GB	Instance + Storage / Month	0.00
60	Database Migration as a Service – Per 100GB (Source and Destination as same DB type)	Storage/activity	201.25
61	Database Migration as a Service – Per 100GB Source and Destination as diff DB types	Storage/Activity	287.50
62	Load Testing Services	Per Instance	17250.00
63	DevOps as a Service	No of Users	1725.00
64	App Performance Manager (APM)	Per instance/Month	575.00
65	Monitoring Services- Cloud Infrastructure, Service and workloads	Per Node/Month	575.00
66	VPN (site to site) each connection supporting 10 sites	Per VPN Connection / Month	5175.00
67	VPN (client site) each connection supporting 120 clients	Per VPN Connection / Month	5175.00

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Annexure-III

Empanelment No. NICS/As-is/Pune/02

Meghraj 2.0 - NDC-Pune

Empanelled Vendor: M/s Yotta Data Services Pvt Ltd

#	Service Name	Unit of measure	Unit Price (in Rs.) (without tax)
1	VM of 2 vCPU, 4 GB RAM	Per VM / Hour	1.84
2	VM of 2 vCPU, 8 GB RAM	Per VM / Hour	2.36
3	VM of 2 vCPU, 16 GB RAM	Per VM / Hour	3.34
4	VM of 8 vCPU/CPU, 1GPU, 24GB GPU memory, 24GB RAM, 10/25 Gbps network (GPU instance - Low profile)	Per VM / Hour	41.79
5	VM of 32 vCPU/CPU, 2GPU, 48GB GPU memory, 48GB RAM, 10/25 Gbps network (GPU instance - Low profile)	Per VM / Hour	83.58
6	VM of 64 vCPU/CPU, 4GPU, 96GB GPU memory, 128GB RAM, 10/25 Gbps network (GPU instance - Low profile)	Per VM / Hour	167.16
7	VM of 32 vCPU/CPU, 1GPU, 80GB GPU memory, 128GB RAM, 10/25 Gbps network (GPU instance - High profile)	Per VM / Hour	179.39
8	Windows 2 Core License	Per VM / Hour	5.75
9	RHEL 2 Core Premium Subscription	Per VM / Hour	1.92
10	Ubuntu 2 Core LTS 24 x 7 Subscription	Per VM / Hour	0.00
11	Block Storage – SSD – 100 GB (Minimum 50 IOPS per 100 GB)	Per 100 GB Storage / Hour	0.24
12	Block Storage – SSD – 100 GB (Minimum 150 IOPS per 100 GB)		0.44
13	Block Storage – SSD – 100 GB (Minimum 200 IOPS per 100 GB)		0.69
14	Block Storage – SSD – 100 GB (Minimum 250 IOPS per 100 GB)		0.69
15	Enterprise Object storage - 100GB SSD		0.44
16	File share storage – 100 GB SSD		0.25
18	Backup Storage 100 GB		0.79
19	Low-cost object storage - 100GB		0.26
20	Application load Balancer - L7		0.48
21	Network Load Balancer – L4	Throughput in Mbps/ Hour	0.67
22	Next Gen Firewall		0.81

23	WAF - 2 MBPS Throughput No of request	Throughput in Mbps (clean traffic) / Hour	0.87
24	WAF - 5 MBPS Throughput No of request	Throughput in Mbps (clean traffic) / Hour	0.87
25	HSM - 10 Keys	No. of Keys /Month	143.75
26	SSL certificate	Per Certificate / Month	1627.24
27	SIEM – 500 EPS	EPS	99.19
28	Anti-malware – 100 Devices	Per License Per VM / Month	7908.55
29	Log analysis or log visualisation as a Service	Per GB/month	27882.70
30	Vulnerability Assessment as a service	Instance scanned / Month	137.74
31	DDoS as a service (Layer 3 and 4)	Throughput in Mbps/Hour	0.14
32	DDoS as a service (Layer 7)		0.16
33	Identity and Access Management (IDAM)	Per user	0.00
34	Server Security AV	Per VM/Month	134.90
35	Postgres - 4 vCPU: 32 GB RAM with enterprise support	Per VM / Hour	17.25
36	Postgres - 4 vCPU: 32 GB RAM	Per VM / Hour	15.70
37	MySQL - 4 vCPU: 32 GB RAM with enterprise support	Per VM / Hour	16.10
38	MySQL - 4 vCPU: 32 GB RAM	Per VM / Hour	14.87
39	MS SQL (Enterprise) – 4 vCPU: 32 GB RAM with enterprise support	Per VM / Hour	29.46
40	MS SQL (Standard) - 4 vCPU: 32 GB RAM with enterprise support	Per VM / Hour	31.05
41	MongoDB - 4 vCPU: 32 GB RAM	Per VM / Hour	7.16
42	MongoDB (Enterprise)- 4vCPU: 32 GB RAM with enterprise support	Per VM / Hour	13.80
43	Redis - 4 vCPU: 64 GB RAM	Per VM / Hour	46.00
44	Distributed NoSQL DB – 4 vCPU: 64GB RAM	Per VM / Hour	56.35
45	Cassandra DB (On Demand) – 16 vCPU: 128 GB RAM	Per VM / Hour	56.35
46	Cassandra DB (Enterprise) – 16 vCPU: 128 GB RAM with enterprise support	Per VM / Hour	174.90
47	Open search - 32 vCPU, 128 GB RAM	Per VM / Hour	86.80
48	Elasticsearch Enterprise - 16 vCPU, 64 GB RAM	Per VM / Hour	86.80
49	Hadoop – 16 vCPU: 128 GB RAM	Per VM/hour	19.84
50	Hadoop (on-demand usage) – 16 vCPU: 128 GB RAM	Per VM/hour	19.84
51	Kubernetes - 1 Worker Node 4 vCPU: 16 GB RAM	Per VM / Hour	5.18
52	Kubernetes - 1 Master Node 4 vCPU: 16 GB RAM (to be provided from on-prem Cloud Stack)	Per VM / Hour	5.18
53	Kubernetes Cluster Management Service	Per Cluster/Hour	0.00
54	Kafka – 4vCPU: 16 GB RAM (2 nodes)	Per VM / Hour	115.00
55	Message Queue/Rabbit MQ – 4vCPU: 16 GB RAM (2 nodes)	Per VM / Hour	57.50
56	Back-up as a service (Backup target should be at NIC Data Centre and to be part of proposed cloud infrastructure)	Per GB /month	1.73
57	Storage based replication (RPO/RTO)	Per GB /month	1.59
58	Host based replication (RPO/RTO)	Per Instance / Month	2.45
59	Data Migration as a Service – per 100 GB	Instance + Storage / Month	0.00
60	Database Migration as a Service – Per 100GB (Source and Destination as same DB type)	Storage/activity	201.25

61	Database Migration as a Service – Per 100GB Source and Destination as diff DB types	Storage/Activity	287.50
62	Load Testing Services	Per Instance	17250.00
63	DevOps as a Service	No of Users	1725.00
64	App Performance Manager (APM)	Per instance/Month	575.00
65	Monitoring Services- Cloud Infrastructure, Service and workloads	Per Node/Month	575.00
66	VPN (site to site) each connection supporting 10 sites	Per VPN Connection / Month	5455.48
67	VPN (client site) each connection supporting 120 clients	Per VPN Connection / Month	5455.48

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Annexure-IV

Empanelment No. 10(26)/2024-NICSI valid upto 30.06.2029

Tier-2 - Intermediate Cloud Services

Empanelled Vendor

MSP	CSP
M/s Tata Communications Ltd	M/s Tata Communications Ltd
M/s Hitachi Systems India Pvt Ltd	M/s Tata Communications Ltd
M/s Yotta Data Services Pvt Ltd	M/s Yotta Data Services Pvt Ltd
M/s Jio Platforms Ltd	M/s Jio Platforms Ltd

APPROVED RATES

1. A. Compute as Managed Service

Sl. No.	Service Name / Type of Service	Specifications of required Service	Unit of Measurement of Service	Unit of Measurement of Service	Offered Unit Rate in INR
1.01	Non-burstable x86/64 bit architecture - Production Grade Virtual Machine	RED HAT Enterprise Linux	VM - 2 vCPU, 4GB RAM	Hourly	4.02
1.02			VM - 2 vCPU, 8GB RAM	Hourly	4.18
1.03			VM - 2 vCPU, 16GB RAM	Hourly	4.52
1.04			VM - 4 vCPU, 8GB RAM	Hourly	7.89
1.05			VM - 4 vCPU, 16GB RAM	Hourly	8.24
1.06			VM - 4 vCPU, 32GB RAM	Hourly	8.93
1.07			VM - 8 vCPU, 32GB RAM	Hourly	16.35
1.08			VM - 16 vCPU, 64GB RAM	Hourly	26.53
1.09			VM - 32 vCPU, 128GB RAM	Hourly	62.13
1.10			VM - 48 vCPU, 192GB RAM	Hourly	79.58

Sl. No.	Service Name / Type of Service	Specifications of required Service	Unit of Measurement of Service	Unit of Measurement of Service	Offered Unit Rate in INR
1.11	Non-burstable x86/64 bit architecture - Production Grade Virtual Machine	RED HAT Enterprise Linux	VM - 64 vCPU, 256GB RAM	Hourly	124.11
1.12			VM - 96 vCPU, 384GB RAM	Hourly	159.16
1.13			VM - 128 vCPU, 512GB RAM	Hourly	248.22
1.14		Open-Source Linux - Debian, Ubuntu	VM - 2 vCPU, 4GB RAM	Hourly	0.99
1.15			VM - 2 vCPU, 8GB RAM	Hourly	1.15
1.16			VM - 2 vCPU, 16GB RAM	Hourly	1.50
1.17			VM - 4 vCPU, 8GB RAM	Hourly	1.84
1.18			VM - 4 vCPU, 16GB RAM	Hourly	2.18
1.19			VM - 4 vCPU, 32GB RAM	Hourly	2.88
1.20			VM - 8 vCPU, 32GB RAM	Hourly	4.25
1.21			VM - 16 vCPU, 64GB RAM	Hourly	8.37
1.22			VM - 32 vCPU, 128GB RAM	Hourly	25.81
1.23			VM - 48 vCPU, 192GB RAM	Hourly	25.11
1.24			VM - 64 vCPU, 256GB RAM	Hourly	51.48
1.25			VM - 96 vCPU, 384GB RAM	Hourly	50.22
1.26			VM - 128 vCPU, 512GB RAM	Hourly	102.96
1.27		Windows Datacenter edition O/S with O/S Licenses	VM - 2 vCPU, 8GB RAM	Hourly	2.64
1.28			VM - 4 vCPU, 16GB RAM	Hourly	4.37
1.29			VM - 8 vCPU, 32GB RAM	Hourly	7.83
1.30			VM - 16 vCPU, 64GB RAM	Hourly	14.74
1.31			VM - 32 vCPU, 128GB RAM	Hourly	46.24
1.32			VM - 48 vCPU, 192GB RAM	Hourly	44.23
1.33			VM - 64 vCPU, 256GB RAM	Hourly	91.60
1.34			VM - 80 vCPU, 320GB RAM	Hourly	114.50
1.35			VM - 96 vCPU, 384GB RAM	Hourly	88.46
1.36			VM - 128 vCPU, 512GB RAM	Hourly	183.20

2. B. Storage as a Managed Service - Object, File and Block Storage

Sl. No.	Service Name / Type of Service	Specifications of required Service	Unit of Measurement of Service	Offered Unit Rate in INR
2.01	Object Storage - Hot Tier	Managed Object Storage; Fully Managed Redundant Object Storage - 100% Hot Tier	TB per month	764.51
2.02	Archive Storage	Managed Archival Storage; Fully Managed Geo Redundant Archival/Cold Tier	TB per month	1635.75
2.03	Enterprise-grade network file system (NFS)	Enterprise-grade network file system (NFS); TB of provisioned capacity	TB per month	3500.00
2.04	Managed Storage - SSD	Managed SSD Storage for Mission Critical Web, Apps & DB; Single SSD redundant volume from Storage tier which support single-digit millisecond latency without Disk Striping	1 GB per month	2.65
2.05			10 GB per month	26.54
2.06			100 GB per month	265.44
2.07			500 GB per month	1327.20
2.08			1000 GB per month	2654.40
2.09			2000 GB per month	5308.80
2.10			3000 GB per month	7963.20
2.11			4000 GB per month	10617.60
2.12			5000 GB per month	13272.00
2.13			10000 GB per month	26544.00

3. C. CSP/MSP Managed DB - Managed services

Sl. No.	Service Name / Type of Service	Specifications of required Service	Unit of Measurement of Service	Unit of Measurement of Service	Offered Unit Rate in INR
3.01	Managed Database services (Non-burstable x86/64 bit architecture - Production Grade)	PostgreSQL/My-SQL as a service with following features: (a) Automated backups and point-in-time recovery or equivalent; (b) Automatic Storage Increase the threshold base; (c) Should support horizontal scaling by adding/removing read replicas.	2 vCPU 8 GB RAM	Hourly	61.38
3.02			4 vCPU 16 GB RAM	Hourly	62.41
3.03			8 vCPU 32 GB RAM	Hourly	64.47
3.04		Bidder must quote the Managed DB Service with HA architecture & Configuration (e.g. Active/Standby) for the Pricing.	16 vCPU 64 GB RAM	Hourly	68.59

Sl. No.	Service Name / Type of Service	Specifications of required Service	Unit of Measurement of Service	Unit of Measurement of Service	Offered Unit Rate in INR
3.05			32 vCPU 128 GB RAM	Hourly	146.26
3.06			48 vCPU 192 GB RAM	Hourly	205.78
3.07			64 vCPU 256 GB RAM	Hourly	292.38

4. D. Other Managed / Additional Services / Network / Back-up / Security

Sl. No.	Service Name / Type of Service	Specifications of required Service	Unit of Measurement of Service	Offered Unit Rate in INR
4.01	Container Registry	Container Registry allows you to build, store, and manage container images and artifacts in a private registry for all types of containers; Container Registry - 100GB or 4VCPU 8GB RAM; 50 GB storage with Ubuntu	100GB/month	1950.56
4.02	Managed Kubernetes (Production Grade, SLA Backed)	Container Orchestration service to deploy, scale and manage container-based applications in a cluster environment. Should support service mesh for observability, network and security.; Fully Automated highly available & scalable managed Kubernetes Cluster / Month	Monthly	6350.40
4.03	Cloud Management and Monitoring	Monitoring, Logging & Alerts for cloud resources; Monitoring and observability service, with data and actionable insights to monitor applications, respond to system-wide performance changes, optimize resource utilization, and a unified view of operational health.	Logs of 1000 GB per month	6173.80
4.04	Site to Site VPN - Managed Service	Fully managed Site to Site VPN; VPN Connectivity as Site-to-Site VPN with upto 1 Gbps bandwidth per VPN tunnel	Monthly	22311.11
4.05	DevOps and Application Monitoring	CI/CD Pipeline (Should provide a fully managed build service that supports continuous integration and deployment.); Build Minutes [Min 4 vCPU and 8GB RAM build server]	100hrs/Per month	3048.67
4.06	Managed Application Load balancer (L7)	Managed service to provide automated traffic distribution from one entry point to multiple back ends over layer 7. Should provide an Application Gateway as an external facing layer 7 load balancer which supports SSL termination, cookie-based session affinity and round robin for load-balancing traffic.; Load Balancers with data being processed up to 1TB/month	Per month	39821.94

Sl. No.	Service Name / Type of Service	Specifications of required Service	Unit of Measurement of Service	Offered Unit Rate in INR
4.07	Managed TCP Load balancer (L3/L4)	Managed service to handle high volumes of TCP traffic; Load Balancers with data being processed up to 1TB/month	Per month	14000.00
4.08	NAT Gateway	Managed NAT Gateway for outbound Internet Access for Private Instances; 100GB of data Processed/Month	Per month	9600.00
4.09	Backup as Service	Full managed backup service. Back up key data stores, such as volumes, databases, and file systems, across cloud resources. Policy based Centralize & automated data protection management and Backup role-based access control; Backup activity monitoring.	per TB / per month	2960.00
4.10	Domain Name System (DNS)	Managed DNS service that supports all common DNS record types with following features: -Weighted round robin (WRR) routing policy; -Geofenced routing policy; -Failover routing policy.; Per Domain Name per month	With 5 Hosted Zone and 50 million Queries	16571.43
4.11	Data transfer / Egress over the Internet	Data Transfer Egress from Compute, database, Object Storage etc. over the Internet; Data transfers out per month	Per GB	24.00
4.12	Direct Connect / Interconnect to connect MPLS/Lease Line to cloud	Interconnect Port with capacity of 1 Gbps; Link termination inside a VPC	Per Port	6221.60
4.13	Public IP	Public IP for VMs and LBs; Per Public IP	Monthly	680.00
4.14	Cloud Posture Management	Identify cloud misconfigurations, software vulnerabilities, and compliance violations and get visibility of cloud assets and resources on single Dashboard. Centralised Threats and Vulnerabilities reporting on Single Dashboard.; Events or cloud operation analyzed/month	Monthly	499.00
4.15	DDoS as a Service (Layer 7)	Enterprise features such as threat intelligence, third-party named IP address, adaptive protection. Managed service to protect Layer 7 application attacks.	Throughput in Mbps/Hour	20.00
4.16	WAF	Web Application Firewall as Managed service; IAAS/PAAS	Throughput in Mbps (Clean traffic)/Hour	20.00
4.17	Network Firewall - NGFW	Managed Network Firewall - IPDS NGFW with Transport Layer Security (TLS)/SSL interception and decryption and Advanced Threat Protection (Anti-APT) defences against the most sophisticated cyberattacks.; Managed Network Firewall with intrusion detection/prevention system, (TLS)/SSL interception, decryption and Advanced Threat Protection (Anti-APT) with 500 Mbps throughput	Monthly	22123.73

Sl. No.	Service Name / Type of Service	Specifications of required Service	Unit of Measurement of Service	Offered Unit Rate in INR
4.18	SSL Certificate manager	Certificate manager to deploy TLS/SSL certificates; Certificate Manager price per certificate/domain	Monthly	874.11
4.19	Anti-malware and Vulnerability Assessment	Vulnerability Assessment & anti-malware detection, threat detection, and compliance monitoring capabilities; Scan for vulnerabilities including misconfigurations, publicly exposed assets, and resources with known risks for VMs & Managed DB & other cloud managed services etc.	Instance scanned / Month	4000.00
4.20	KMS	Keys Protected Host encryption keys and perform cryptographic operations.; Active asymmetric RSA 2048 keys and Active symmetric AES-256 Keys/Month	Monthly	6000.00
4.21	Patch Management	OS Patch Management; Patch management Services covering RHEL, Windows, SUSE, Debian and Ubuntu	Per VM /Month	5000.00
4.22	DDoS as a Service (Layer 3 and 4)	Protect systems from web-based attacks and mitigate distributed denial-of-service (DDoS) attacks.; Protection from volumetric and protocol-based DDoS attacks, with automated inline mitigations in real time and with no latency impact across.	Throughput in Mbps (Clean traffic)/Hour	30.00
4.23	Authentication Management	MFA Services. Solution should be capable to provide multi-factor based authentication e.g. email, SMS, etc.	User/Month	850.00

5. E. Content Delivery Network (CDN)

Sl. No.	Service Name / Type of Service	Specifications of required Service	Unit of Measurement of Service	Offered Unit Rate in INR
5.01	Managed Content Delivery Network (CDN)	TB e-grass/ data transfer out over CDN CDN service to be used to securely deliver audio, video, images, data, application, etc., quickly by using the servers closest to each user. CDN to reduce load time and saves bandwidth.	TB per Month	32400.00

6. F. GPU As Service

Sl. No.	Service Name / Type of Service	Specifications of required Service	Unit of Measurement of Service	Offered Unit Rate in INR
6.01	Production Grade Virtual Machine with GPU	GPU Config: FP32 : 30 teraFLOPS or higher; GPU Memory - 24 GB/GPU or higher; 1 GPU with suitable VM shape configuration running 100hrs/Month	Hourly	48.91
6.02		GPU Config: FP32 : 60 teraFLOPS or higher; FP16 - 1600 teraFLOPS or higher; GPU Memory - 80 GB/GPU or higher with Multi-Instance GPUs (MIGs) support; 8 VMs with 1 GPU each, with suitable VM shape configuration running 100hrs/month. OR 8 GPU with default VM shape configuration running 100hrs/month.	Hourly	1358.70

Tier-2: Intermediate Manpower Cost

Sl. No.	Resource Profile with Experience Level	Level 1 (A) Below 7 years (Rs./Man-Month)	Level 2 (B) 7 to 10 years (Rs./Man-Month)	Level 3 (C) More than 10 years (Rs./Man-Month)
1.01	Project Manager (Cloud Services) B.E. / B.Tech./MCA or equivalent; PMP or equivalent certification; Experience as Project Manager; Present experience in managing a Cloud-service project	69,600.00	101,500.00	152,200.00
1.02	Solution Architect B.E. / B.Tech. / MCA or equivalent; Experience in Solution Design	70,000.00	102,000.00	153,000.00
1.03	Cloud Administrator B.E. / B.Tech. / MCA or equivalent; Experience in Implementation, Management and Operations	70,000.00	102,000.00	153,000.00
1.04	System Administrator B.E. / B.Tech. / MCA or equivalent; Experience in Implementation, Management and Operations	70,000.00	102,000.00	153,000.00
1.05	Network Administrator B.E. / B.Tech. / MCA or equivalent; Experience in network provisioning, configuration and management	70,000.00	102,000.00	153,000.00
1.06	Security Administrator B.E. / B.Tech. / MCA or equivalent; Experience in Implementation, Management and Operations of security devices and solution	124,000.00	174,000.00	290,000.00
1.07	DB Administrator B.E. / B.Tech. / MCA or equivalent; Experience in database administration	70,000.00	102,000.00	153,000.00
1.08	Storage / Backup expert B.E. / B.Tech. / MCA or equivalent; Experience in managing storage, backup solutions, and disaster recovery	70,000.00	102,000.00	153,000.00
1.09	Data Engineer / Science B.E. / B.Tech. / MCA or equivalent; Experience in programming skills (Python, Java, SQL), knowledge of data structures, algorithms, and databases.	98,000.00	158,000.00	218,000.00

Important Notes:

- Item Unit Cost mentioned above is in INR and without Tax (GST) and Operating Margin of NICSI.
- The rate mentioned above will be valid for the period of contract. The period can be extended with mutual agreement.
 - a. The rates finalized will not be changed throughout the period of empanelment/extended empanelment except for the applicability of Price Revision clause.
 - b. GST and other taxes will be as per actuals.



नेशनल इन्फोर्मेटिक्स सेंटर सर्विसिज़ इन्कोर्पोरेटेड
National Informatics Centre Services Incorporated
 (रा. सू. वि. के. के अन्तर्गत भारत सरकार का एक उद्यम)
 (A Government of India Enterprise under NIC)
 इलेक्ट्रॉनिकी और सूचना प्रौद्योगिकी मंत्रालय
 Ministry of Electronics and Information Technology



जन जन की भाषा है हिंदी

Annexure-V

Empanelment No. 10(26)/2024-NICSI valid upto 30.06.2029

Tier-3 - Advanced Cloud Services

Empanelled Vendor

MSP	CSP
M/s SISL Infotech Pvt Ltd	Google Cloud Platform
M/s Amnex Infotechnologies Pvt Ltd	Google Cloud Platform
M/s Arsenal Infosolutions Pvt Ltd	Google Cloud Platform
M/s Tata Consultancy Services Ltd	Tata Consultancy Services Ltd

APPROVED RATES

1. A. Compute as Managed Service

Sl. No.	Service Name / Type of Service	Specifications of required Service	Unit of Measurement of Service	Unit of Measurement of Service	Offered Unit Rate in INR
1.01	Non-burstable x86/64 bit architecture - Production Grade Virtual Machine	RED HAT Enterprise Linux	VM - 2 vCPU, 4GB RAM	Hourly	3.76
1.02			VM - 2 vCPU, 8GB RAM	Hourly	3.94
1.03			VM - 2 vCPU, 16GB RAM	Hourly	4.45
1.04			VM - 4 vCPU, 8GB RAM	Hourly	7.38
1.05			VM - 4 vCPU, 16GB RAM	Hourly	7.89
1.06			VM - 4 vCPU, 32GB RAM	Hourly	8.90
1.07			VM - 8 vCPU, 32GB RAM	Hourly	15.77
1.08			VM - 16 vCPU, 64GB RAM	Hourly	17.59

Sl. No.	Service Name / Type of Service	Specifications of required Service	Unit of Measurement of Service	Unit of Measurement of Service	Offered Unit Rate in INR
1.09	Non-burstable x86/64 bit architecture - Production Grade Virtual Machine	RED HAT Enterprise Linux	VM - 32 vCPU, 128GB RAM	Hourly	33.97
1.10			VM - 48 vCPU, 192GB RAM	Hourly	50.96
1.11			VM - 64 vCPU, 256GB RAM	Hourly	67.94
1.12			VM - 96 vCPU, 384GB RAM	Hourly	101.91
1.13			VM - 128 vCPU, 512GB RAM	Hourly	119.39
1.14		Open-Source Linux - Debian, Ubuntu	VM - 2 vCPU, 4GB RAM	Hourly	1.37
1.15			VM - 2 vCPU, 8GB RAM	Hourly	1.63
1.16			VM - 2 vCPU, 16GB RAM	Hourly	2.14
1.17			VM - 4 vCPU, 8GB RAM	Hourly	2.75
1.18			VM - 4 vCPU, 16GB RAM	Hourly	3.26
1.19			VM - 4 vCPU, 32GB RAM	Hourly	4.27
1.20			VM - 8 vCPU, 32GB RAM	Hourly	6.52
1.21			VM - 16 vCPU, 64GB RAM	Hourly	13.03
1.22			VM - 32 vCPU, 128GB RAM	Hourly	20.68
1.23			VM - 48 vCPU, 192GB RAM	Hourly	23.73
1.24			VM - 64 vCPU, 256GB RAM	Hourly	34.07
1.25			VM - 96 vCPU, 384GB RAM	Hourly	47.45
1.26			VM - 128 vCPU, 512GB RAM	Hourly	54.84
1.27		Windows Datacenter edition O/S with O/S Licenses	VM - 2 vCPU, 8GB RAM	Hourly	7.32
1.28			VM - 4 vCPU, 16GB RAM	Hourly	14.64
1.29			VM - 8 vCPU, 32GB RAM	Hourly	29.28
1.30			VM - 16 vCPU, 64GB RAM	Hourly	38.28
1.31			VM - 32 vCPU, 128GB RAM	Hourly	76.55
1.32	Function as a Service	Bidder must quote Serverless, event-driven compute service that let developers run code without provisioning or managing servers	1 GB RAM, Requests per month (millions) =1 and Average execution time per request (ms) = 1000 ms	Hourly	1.73
1.33	Serverless Compute as a Service	Fully managed Serverless compute for containers: a) Linux Support b) OS updates c) underlying infrastructure d) dynamically scale capacity in response to changes in demand to reduce waste e) highly available	Serverless Compute with 1 vCPU 4GBRAM	Hourly	3.62
1.34	Serverless Compute as a Service		Serverless Compute with 2 vCPU 8GBRAM	Hourly	7.23

2. B. Storage as a Managed Service - Object, File and Block Storage

Sl. No.	Service Name / Type of Service	Specifications of required Service	Unit of Measurement of Service	Offered Unit Rate in INR
2.01	Object Storage - Hot Tier	Managed Object Storage; Fully Managed Redundant Object Storage - 100% Hot Tier	TB per month	956.40
2.02	Archive Storage	Managed Archival Storage; Fully Managed Geo Redundant Archival/Cold Tier	TB per month	131.781
2.03	Enterprise-grade network file system (NFS)	Enterprise-grade network file system (NFS); TB of provisioned capacity	TB per month	11003.67
2.04	Managed Storage - SSD	Managed SSD Storage for Mission Critical Web, Apps & DB; Single SSD redundant volume from Storage tier which support single-digit millisecond latency without Disk Striping	1 GB per month	4.60
2.05			10 GB per month	46.02
2.06			100 GB per month	423.38
2.07			500 GB per month	2116.89
2.08			1000 GB per month	4233.77
2.09			2000 GB per month	7547.16
2.10			3000 GB per month	11320.74
2.11			4000 GB per month	15094.32
2.12			5000 GB per month	18867.90
2.13			10000 GB per month	37735.80

3. C. CSP/MSP Managed DB - Managed services

Sl. No.	Service Name / Type of Service	Specifications of required Service	Unit of Measurement of Service	Unit of Measurement of Service	Offered Unit Rate in INR
3.01	Managed Database services (Non-burstable x86/64 bit architecture - Production Grade)	PostgreSQL/My-SQL as a service with following features: (a) Automated backups and point-in-time recovery or equivalent; (b) Automatic Storage Increase the threshold base; (c) Should support horizontal scaling by adding/removing read replicas.	2 vCPU 8 GB RAM	Hourly	7.13
3.02			4 vCPU 16 GB RAM	Hourly	14.26
3.03			8 vCPU 32 GB RAM	Hourly	28.51

Sl. No.	Service Name / Type of Service	Specifications of required Service	Unit of Measurement of Service	Unit of Measurement of Service	Offered Unit Rate in INR
3.04	Managed Database services (Non-burstable x86/64 bit architecture - Production Grade)	Bidder must quote the Managed DB Service with HA architecture & Configuration (e.g. Active/Standby) for the Pricing.	16 vCPU 64 GB RAM	Hourly	57.03
3.05			32 vCPU 128 GB RAM	Hourly	111.01
3.06			48 vCPU 192 GB RAM	Hourly	166.52
3.07			64 vCPU 256 GB RAM	Hourly	222.02
3.08	Redis or equivalent Cluster as Service - Production Grade supporting Sharding	Managed Redis or equivalent as a Service with: -Should support the Managed Cache database service -Supports partitions/shards and read replicas -Must be compatible with open-source Redis data store -Inbuilt capability to auto-scale shards and read replicas -Shards data across Redis nodes	130 GB Enterprise Grade Redis with Sharding support	Monthly	34419.79
3.09	Production Grade Managed Non- Relational Database (NoSQL) as Managed Services	Scalable NoSQL DB as Managed Service 1-Automated replication/ Automatic failover to another Zone and region 2-Automated Backup 3-Multi -AZs HA architecture	Storage (GB) - 50, Number of writes / Second: 1000 , Number of reads / Second: 2000, Backup - 30 days	Monthly	16708.89

4. D. Other Managed / Additional Services / Network / Back-up / Security

Sl. No.	Service Name / Type of Service	Specifications of required Service	Unit of Measurement of Service	Unit of Measurement of Service	Offered Unit Rate in INR
4.01	CSP native Container Registry	Container Registry allows you to build, store, and manage container images and artifacts in a private registry for all types of container.	Container Registry - 100GB/Month	100GB/Month	551.28
4.02	Managed Kubernetes (Production Grade, SLA Backed)	Container Orchestration service to deploy, scale and manage container-based applications in a cluster environment. Should support service mesh for observability, network and security.	Fully Automated highly available & scalable managed Kubernetes Cluster / Month	Monthly	3694.04
4.03	Cloud Management and Monitoring	Monitoring, Logging & Alerts for cloud resources	Monitoring and observability service, with data and actionable insights to monitor applications, respond to system-wide performance changes, optimize resource utilization, and a unified view of operational health.	Logs of 1000 GB per month.	24036.58
4.04	Site to Site VPN - CSP Managed Service	Fully managed Site to Site VPN	VPN Connectivity as Site-to-Site VPN with upto 1 Gbps bandwidth per VPN tunnel	Monthly	1847.02

Sl. No.	Service Name / Type of Service	Specifications of required Service	Unit of Measurement of Service	Unit of Measurement of Service	Offered Unit Rate in INR
4.05	DevOps and Application Monitoring	CI/CD Pipeline (Should provide a fully managed build service that supports continuous integration and deployment.)	Build Minutes [Min 4 vCPU and 8GB RAM build server]	100hrs/Per month	3789.18
4.06	CSP Natively Managed Application Load balancer (L7)	Managed service to provide automated traffic distribution from one entry point to multiple back ends over layer 7	Should provide an Application Gateway as an external facing layer 7 load balancer which supports SSL termination, cookie-based session affinity and round robin for load-balancing traffic. Load Balancers with data being processed up to 1TB/month	Per month	554.26
4.07	CSP Natively Managed TCP Load balancer(L3/L4)	Managed service to handle high volumes of TCP traffic	Load Balancers with data being processed up to 1TB/month	Per month	554.261
4.08	NAT Gateway	Managed NAT Gateway for outbound Internet Access for Private Instances	100GB of data Processed/Month	Per month	310.17
4.09	Backup as Service	Full managed backup service	Back up key data stores, such as volumes, databases, and file systems, across cloud resources, Policy based Centralize & automated data protection management and Backup role-based access control, Backup activity monitoring	per TB/ per month	1109.11
4.10	Domain Name System (DNS)	Managed DNS service that supports all common DNS record types with following features: Weighted round robin (WRR) routing policy Geofenced routing policy Failover routing policy	Per Domain Name per month	With 5 Hosted Zone and 50 Million Queries	1250.20
4.11	Data transfer /Egress over the Internet	Data Transfer Egress from Compute, database, Object Storage etc. over the Internet	Data transfer out per month	Per GB	6.55
4.12	Direct Connect / Interconnect to connect MPLS/ Lease Line to cloud	Interconnect Port with capacity of 1Gbps	Link termination inside a VPC	Per Port	10261.85
4.13	Messaging services	Should provide a managed message queueing service for communicating between decoupled application components	Standard queue requests and FIFO queue requests in millions/1GB Volume with number of Subscriptions per Month	Monthly	85.13
4.14	Public IP	Public IP for VMs and LBs	Per Public IP	Monthly	217.30
4.15	Cloud Posture Management	Identify cloud misconfigurations, software vulnerabilities, and compliance violations and get visibility of cloud assets and resources on single Dashboard	Centralised Threats and Vulnerabilities reporting on Single Dashboard	Events or cloud operation analysed/month	0.12
4.16	DDoS as a Service (Layer 7)	Enterprise features such as threat intelligence, third-party named IP address, adaptive protection	Managed service to protect Layer 7 application attacks	Throughput in Mbps/Hour	16.31

Sl. No.	Service Name / Type of Service	Specifications of required Service	Unit of Measurement of Service	Unit of Measurement of Service	Offered Unit Rate in INR
4.17	WAF	Web Application Firewall as Managed service	IAAS/PAAS	Throughput in Mbps (Clean traffic)/Hour	0.54
4.18	Network Firewall-Cloud NativeNGFW	CSP Native Managed Network Firewall - IPDS NGFW with Transport Layer Security (TLS)/SSL interception and decryption and Advanced Threat Protection (Anti-APT) defences against the most sophisticated cyberattacks.	Managed Network Firewall with intrusion detection /prevention system, (TLS)/SSL interception, decryption and Advanced Threat Protection (Anti-APT). Each firewall endpoint will process 50 Terabyte of traffic/50 TB data processed per month, the Billing will be based on the actual consumption.	Monthly	97225.38
4.19	SSL	CSP native certificate manager to deploy TLS/SSL certificates	Certificate Manager price per certificate	Monthly	11.91
4.2	Anti-malware and Vulnerability Assessment	CSP Native Vulnerability Assessment & anti-malware detection, threat detection, and compliance monitoring capabilities	Scans for vulnerabilities including misconfigurations, publicly exposed assets, and resources with known risks for VMs & Managed DB & other cloud managed services etc.	Instance scanned / Month	524.55
4.21	KMS	CSP Native keys protected by HSM	Host encryption keys and perform cryptographic operations. Active asymmetric RSA 2048 key and Active symmetric AES-256 Key/Month	Monthly	119.07
4.22	Patch Management	CSP Native OS Patch Management	Patch management Services covering RHEL, Windows, SUSE, Debian and Ubuntu	Per VM /Month	110.82
4.23	DDoS as a Service (Layer 3 and4)	Protect systems from web-based attacks and mitigate distributed denial-of-service (DDoS) attacks.	Always-on protection from volumetric and protocol-based DDoS attacks, with automated inline mitigations in real time and with no latency impact across	Throughput in Mbps (Clean traffic)/Hour	0.00
4.24	Identity and Access Management (IDAM)	Cloud Native IAM Services	Identity and Access Management (IAM) service, giving full control and visibility	User/Month	0.00

5. E. Content Delivery Network (CDN)

Sl. No.	Service Name / Type of Service	Specifications of required Service	Unit of Measurement of Service	Offered Unit Rate in INR
5.01	Managed Content Delivery Network (CDN)	TB egress / data transfer out over CDN CDN service to be used to securely deliver audio, video, images, data, application, etc., quickly by using the servers closest to each user. CDN to reduce load time and saves bandwidth.	TB per Month	4241.57

6. F. CSP Native AI/ML & Data Warehouse Platform

Sl. No.	Service Name / Type of Service	Specifications of required Service	Unit of Measurement of Service	Offered Unit Rate in INR
6.01	ML Notebook	Fully managed CSP native Notebook IDE Fully Managed & collaborative Jupyter Notebook to perform all ML development steps (Prepare, build, Train & Deploy) from a single Web based visual interface. Node Size 16 vCPU 64 GB RAM	Monthly	17031.30
6.02	ML Training	Fully managed CSP native Training Jobs Service: GPU-powered instances for running training jobs. One Node - 16vCPU, 128GB of memory, 1 No of GPUs that supports TensorFlow, PyTorch, XgBoost ML-API for training Models and network performance of 32 Gbps) Node Size: 16vCPU, 128GB RAM with 1 GPU/ training job per month/73ohrs	Monthly	28575.70
6.03	ML Inference	Real Time Inference Node Size 16 vCPU 64 GB RAM	Monthly	18951.45
6.04	Fully Managed Data Warehouse	Full managed Datawarehouse with - Cloud-based enterprise data warehouse (EDW) to run complex queries across petabytes of data. Data Warehouse Platform: a)-Cloud-based enterprise Data warehouse - each unit/node having minimum configuration of 4 vCPU & 32 GB RAM, for running complex Queries(Approximate 100 Queries in Month with each query scanning of minimum of 100GB of data with 4 dedicated nodes/units (1 leader node & 3 workers) for Number of units in estimated units with 100% utilization of dedicated nodes; Or b)-Fully Managed Cloud-based Serverless data warehouse - should run complex queries (Approximate 100 Queries in Month with each query scanning minimum of 100GB of data for Number of units in estimated units) Pis Note: Bidder to quote only one (either a or b) option, which must support HA cluster deployment & Data Governance features including Row level Security , Data Masking, and cluster encryption using Customer Managed Key	Monthly	365.53
6.05	Data Visualization /BI Service	Fully Managed CSP native service with Auto-scalable Data visualization service for telemetry data and operational metrics Data Visualization Service	Monthly	535.80

7. G. Generative AI As Service

Sl. No.	Service Name / Type of Service	Specifications of required Service	Unit of Measurement of Service	Offered Unit Rate in INR
7.01	GenAI - Multimodal models/LLM Model hosted in India (As a service/hosted on CSP native AI Managed service)	Multimodal Managed large model	Image Input/image million/Month	6220.64
7.02			Text Input & output - Token equivalent million/Month	241.11

8. H. GPU As Service

Sl. No.	Service Name / Type of Service	Specifications of required Service	Unit of Measurement of Service	Offered Unit Rate in INR
8.01	Production Grade Virtual Machine with GPU	GPUConfig: FP32 : 30 teraFLOPS or higher GPU Memory- 24 GB/GPU or higher 1 GPU with suitable VM shape configuration running 100hrs/ Month	Hourly	37.23
8.02		GPUConfig: FP32 :60 teraFLOPS or higher FP16 - 1600 teraFLOPS or higher GPU Memory- 80 GB/GPU or higher with Multi - Instance GPUs MIGs support 8 VMs with 1 GPU each, with suitable VM shape configuration running 100hrs/month. OR 8 GPU with default VM shape configuration running 100hrs/month.	Hourly	3683.88

Tier-3: Intermediate Manpower Cost

Sl. No.	Resource Profile with Experience Level	Level 1 (A) (Below 7 years) Man-Month Rate of the Agency (Rs., Without Tax)	Level 2 (B) (7 to 10 years) Man-Month Rate of the Agency (Rs., Without Tax)	Level 3 (C) (More than 10 years) Man-Month Rate of the Agency (Rs., Without Tax)
1.01	Project Manager (Cloud Services) B.E. / B.Tech./MCA or equivalent · PMP or equivalent certification Experience as Project Manager Present experience in managing a Cloud- service project	150000.00	200000.00	250000.00
1.02	Solution Architect B.E. / B.Tech. / MCA or equivalent Experience in Solution Design	101200.00	156200.00	217000.00
1.03	Cloud Administrator B.E. / B.Tech. / MCA or equivalent, Experience in Implementation, Management and Operations	128700.00	165000.00	200000.00
1.04	System Administrator B.E. / B.Tech. / MCA or equivalent, Experience in Implementation, Management and Operations	67000.00	92000.00	150000.00
1.05	Network Administrator B.E. / B.Tech. / MCA or equivalent, Experience in network provisioning, configuration and management	73700.00	101200.00	134000.00
1.06	Security Administrator B.E. / B.Tech. / MCA or equivalent Experience in Implementation, Management and Operations of security devices and solution	121000.00	142000.00	192000.00
1.07	DB Administrator B.E. / B.Tech. / MCA or equivalent Experience in database administration	92000.00	125000.00	167000.00
1.08	Storage / Backup expert B.E. / B.Tech. / MCA or equivalent Experience in managing storage, backup solutions, and disaster recovery	100000.00	134000.00	175000.00
1.09	Data Engineer / Science B.E. / B.Tech. / MCA or equivalent Experience in programming skills (Python, Java, SQL), knowledge of data structures, algorithms, and databases.	128700.00	160000.00	200000.00

Important Notes:

- Item Unit Cost mentioned above is in INR and without Tax (GST) and Operating Margin of NICSI.
- The rate mentioned above will be valid for the period of contract. The period can be extended with mutual agreement.
 - a. The rates finalized will not be changed throughout the period of empanelment/extended empanelment except for the applicability of Price Revision clause.
 - b. GST and other taxes will be as per actuals.