

**Government of Punjab**  
**Punjab State eGovernance Society (PSeGS)**  
**O/o Directorate of Governance Reforms**  
**Plot No. – D 241, Industrial Area, Near Quark City,**  
**Phase – 8B, Sector - 74 Mohali – 160071**

To,

1. All Additional Chief Secretaries / Financial Commissioners / Principal Secretaries and Administrative Secretaries of Government of Punjab.
2. All Heads of Departments / Boards / Corporations / Societies / PSUs of the Government.
3. All Deputy Commissioners of the State

**No.:** PSeGS/Cloud/2018/1/DGR/240/1397-1399  
**Dated:** 28/02/19.


**Subject – Regarding empanelment of Cloud Service Providers for providing Cloud services to various government organizations of Punjab.**

Punjab State eGovernance Society (PSeGS) has empanelled the following 8 vendors for providing Cloud services to various government organizations of Punjab after floating an open tender:

- 1) Cyfuture India Pvt. Ltd.
- 2) Embee Software Pvt. Ltd.
- 3) G7 CR Technologies Pvt. Ltd.
- 4) Minfy Technologies Pvt. Ltd.
- 5) SD Squared Pvt. Ltd.
- 6) Sify Technologies Pvt. Ltd.
- 7) SISL Infotech Pvt. Ltd.
- 8) Tata Communications Ltd.

The comparison of rates quoted by all 8 empanelled bidders may be seen at "<http://dgrpunjab.gov.in/Home/Download/7505>". These rates are subject to downward revision biannually as per terms & conditions of the contract.

You are requested to contact this office if you wish to avail the cloud services.

  
**(Parminder Pal Singh)**  
**Member Secretary, PSeGS**

HTA  
CHIL  
28/02/19.

llc

Empanelment rates of Cloud Service Providers (31 <sup>st</sup> January 2020)										
Unit Rate (in Rs.) (excluding taxes)										
Sl. No.	Items (with minimum specifications)	Unit of measurement	Tata Communications Ltd. (Microsoft)	Embee Software Pvt. Ltd. (Microsoft)	SISL Infotech Pvt. Ltd. (Microsoft)	G7 CR Technologies India Pvt. Ltd. (Microsoft)	Minfy Technologies India Pvt. Ltd. (Amazon)	SD Squared Pvt. Ltd. (Amazon)	Sify Technologies Ltd. (Amazon)	Cyfuture India Pvt. Ltd. (Amazon)
<b>Open Linux Server (CentOS / Ubuntu / Debian / etc.)</b>										
1	VM - 1 Core, 2 GB RAM or higher	per hour	1.10	1.22	1.11	1.58	0.63	0.67	0.74	1.69
2	VM - 2 Core, 4 GB RAM or higher	per hour	2.18	2.42	2.16	3.15	1.20	1.28	1.32	3.39
3	VM - 2 Core, 8 GB RAM or higher	per hour	4.39	4.79	4.44	6.36	2.39	2.55	2.65	6.89
4	VM - 4 Core, 8 GB RAM or higher	per hour	8.47	9.03	8.40	10.12	4.85	5.17	5.39	13.79
5	VM - 4 Core, 16 GB RAM or higher	per hour	8.79	9.58	8.64	12.49	4.79	5.11	5.29	13.79
6	VM - 4 Core, 30 GB RAM or higher	per hour	13.69	12.50	13.58	16.30	7.37	7.86	8.19	18.70
7	VM - 8 Core, 16 GB RAM or higher	per hour	17.79	18.02	17.75	20.22	9.64	10.28	10.71	23.21
8	VM - 8 Core, 32 GB RAM or higher	per hour	17.59	19.16	17.75	25.46	9.51	10.15	9.96	27.57
9	VM - 8 Core, 60 GB RAM or higher	per hour	27.85	24.99	27.17	32.60	14.81	15.79	15.46	37.40
10	VM - 16 Core, 32 GB RAM or higher	per hour	34.51	36.03	34.12	40.46	19.34	20.63	20.20	46.41
11	VM - 16 Core, 56 GB RAM or higher	per hour	33.47	38.31	34.12	49.97	22.30	23.79	23.29	55.15
12	VM - 16 Core, 112 GB RAM or higher	per hour	45.02	49.99	54.33	65.20	29.55	31.52	30.86	74.80
13	VM - 32 Core, 128 GB RAM or higher	per hour	66.93	76.63	83.28	99.94	44.60	47.58	46.59	149.60
14	VM - 32 Core, 244 GB RAM or higher	per hour	90.02	99.98	108.66	130.39	59.16	63.84	61.79	149.60
<b>Linux Server (RHEL)</b>										
15	VM - 1 Core, 2 GB RAM or higher	per hour	3.56	3.95	3.81	5.16	4.41	4.70	4.94	5.79
16	VM - 2 Core, 4 GB RAM or higher	per hour	4.64	5.15	4.85	6.72	4.98	5.31	5.52	7.48
17	VM - 2 Core, 8 GB RAM or higher	per hour	6.86	7.53	6.92	9.94	6.17	6.59	6.85	10.87
18	VM - 4 Core, 8 GB RAM or higher	per hour	10.94	11.77	11.22	13.68	8.63	9.21	9.49	15.70
19	VM - 4 Core, 16 GB RAM or higher	per hour	11.25	12.32	11.22	16.07	8.57	9.14	9.49	17.88
20	VM - 4 Core, 30 GB RAM or higher	per hour	16.15	15.23	16.56	19.87	11.15	11.89	12.39	22.80
21	VM - 8 Core, 16 GB RAM or higher	per hour	23.13	23.95	22.90	27.96	17.83	19.02	19.81	32.08
22	VM - 8 Core, 32 GB RAM or higher	per hour	22.93	25.09	22.90	33.19	17.70	18.88	18.51	36.17
23	VM - 8 Core, 60 GB RAM or higher	per hour	33.03	30.92	33.61	40.33	23.00	23.51	24.02	46.27
24	VM - 16 Core, 32 GB RAM or higher	per hour	39.84	41.96	39.75	48.19	27.53	29.37	28.76	55.28
25	VM - 16 Core, 56 GB RAM or higher	per hour	38.65	44.24	39.75	57.70	30.49	31.17	31.85	64.02
26	VM - 16 Core, 112 GB RAM or higher	per hour	50.35	55.92	60.78	72.93	37.74	40.25	39.41	83.67
27	VM - 32 Core, 128 GB RAM or higher	per hour	72.10	82.56	84.94	107.67	52.79	56.31	55.14	158.48
28	VM - 32 Core, 244 GB RAM or higher	per hour	95.36	105.91	115.11	138.13	67.35	72.58	71.07	158.48

Financials

Windows Server										
29	VM - 1 Core, 2 GB RAM or higher	per hour	1.24	1.38	1.40	1.80	1.26	1.34	1.38	2.32
30	VM - 2 Core, 4 GB RAM or higher	per hour	2.83	3.15	3.06	4.10	2.33	2.49	2.61	4.61
31	VM - 2 Core, 8 GB RAM or higher	per hour	4.97	8.99	6.00	7.20	4.10	4.37	4.58	8.68
32	VM - 4 Core, 8 GB RAM or higher	per hour	12.74	17.47	12.00	21.06	16.44	8.40	8.72	24.16
33	VM - 4 Core, 16 GB RAM or higher	per hour	9.94	17.97	12.00	23.44	9.39	8.40	8.72	16.34
34	VM - 4 Core, 30 GB RAM or higher	per hour	20.71	20.89	21.19	27.24	18.96	20.23	21.07	31.26
35	VM - 8 Core, 16 GB RAM or higher	per hour	26.70	34.94	23.99	42.12	32.82	15.39	36.47	48.32
36	VM - 8 Core, 32 GB RAM or higher	per hour	19.89	35.94	23.99	28.79	18.84	15.39	16.04	52.69
37	VM - 8 Core, 60 GB RAM or higher	per hour	43.46	41.78	45.41	54.49	37.99	40.52	42.21	62.52
38	VM - 16 Core, 32 GB RAM or higher	per hour	64.73	69.86	39.59	84.23	65.71	70.09	73.01	96.64
39	VM - 16 Core, 56 GB RAM or higher	per hour	64.73	71.88	43.88	93.75	68.67	47.28	76.30	105.38
40	VM - 16 Core, 112 GB RAM or higher	per hour	75.24	83.56	90.82	108.98	75.92	80.98	84.35	125.03
41	VM - 32 Core, 128 GB RAM or higher	per hour	129.44	143.77	156.25	187.51	137.34	146.50	169.55	293.75
42	VM - 32 Core, 244 GB RAM or higher	per hour	150.46	167.12	181.63	217.96	151.89	162.76	169.55	293.75
Containers – Open Linux Server (CentOS / Ubuntu / Debian / etc.)										
43	VM - 1 Core, 2 GB RAM or higher	per hour	2.18	1.22	1.11	1.58	0.63	0.67	0.74	1.69
44	VM - 2 Core, 4 GB RAM or higher	per hour	3.26	2.42	2.16	3.15	1.20	1.28	1.32	3.39
45	VM - 2 Core, 8 GB RAM or higher	per hour	5.48	4.79	4.44	6.36	2.39	2.55	2.65	6.89
46	VM - 4 Core, 8 GB RAM or higher	per hour	9.54	9.03	8.40	10.12	4.85	5.17	5.39	13.79
47	VM - 4 Core, 16 GB RAM or higher	per hour	9.87	9.58	8.64	12.49	4.79	5.11	5.29	13.79
48	VM - 4 Core, 30 GB RAM or higher	per hour	12.33	12.50	13.58	16.30	7.37	7.86	8.19	18.70
49	VM - 8 Core, 16 GB RAM or higher	per hour	15.04	18.02	17.75	20.22	9.64	10.28	10.71	23.21
50	VM - 8 Core, 32 GB RAM or higher	per hour	18.33	19.16	17.75	25.46	9.51	10.15	9.96	27.57
51	VM - 8 Core, 60 GB RAM or higher	per hour	23.58	24.99	27.17	32.60	14.81	15.79	15.46	37.40
52	VM - 16 Core, 32 GB RAM or higher	per hour	29.00	36.03	34.12	40.46	19.34	20.63	20.20	46.41
53	VM - 16 Core, 56 GB RAM or higher	per hour	35.57	38.31	34.12	49.97	22.30	23.79	23.29	55.15
54	VM - 16 Core, 112 GB RAM or higher	per hour	46.09	49.99	54.33	65.20	29.55	31.52	30.86	74.80
55	VM - 32 Core, 128 GB RAM or higher	per hour	70.06	76.63	83.28	99.94	44.60	47.58	46.59	149.60
56	VM - 32 Core, 244 GB RAM or higher	per hour	91.09	99.98	108.66	130.39	59.16	63.84	61.79	149.60
Containers – Linux Server (RHEL)										
57	VM - 1 Core, 2 GB RAM or higher	per hour	2.18	3.95	1.38	5.16	4.41	4.70	4.94	5.79
58	VM - 2 Core, 4 GB RAM or higher	per hour	3.26	5.15	2.73	6.72	4.98	5.31	5.52	7.48
59	VM - 2 Core, 8 GB RAM or higher	per hour	5.48	7.53	5.53	9.94	6.17	5.31	6.85	10.87
60	VM - 4 Core, 8 GB RAM or higher	per hour	9.54	11.77	10.64	13.68	8.63	9.21	9.49	15.70
61	VM - 4 Core, 16 GB RAM or higher	per hour	9.87	12.32	11.06	16.07	8.57	9.14	9.49	17.88
62	VM - 4 Core, 30 GB RAM or higher	per hour	12.33	15.23	16.56	19.87	11.15	11.89	12.39	22.80
63	VM - 8 Core, 16 GB RAM or higher	per hour	15.04	23.95	22.38	27.96	17.83	19.02	19.81	32.08

Financials

64	VM - 8 Core, 32 GB RAM or higher	per hour	18.33	25.09	22.12	33.19	17.70	18.88	18.51	36.17
65	VM - 8 Core, 60 GB RAM or higher	per hour	23.58	30.92	28.33	40.33	23.00	23.51	24.02	46.27
66	VM - 16 Core, 32 GB RAM or higher	per hour	29.00	41.96	39.75	48.19	27.53	29.37	28.76	55.28
67	VM - 16 Core, 56 GB RAM or higher	per hour	35.57	44.24	39.75	57.70	30.49	31.17	31.85	64.02
68	VM - 16 Core, 112 GB RAM or higher	per hour	46.09	55.92	60.78	72.93	37.74	40.25	39.41	83.67
69	VM - 32 Core, 128 GB RAM or higher	per hour	70.06	82.56	84.94	107.67	52.79	56.31	55.14	158.48
70	VM - 32 Core, 244 GB RAM or higher	per hour	91.09	105.91	113.63	138.13	67.35	72.58	71.07	158.48
<b>Containers – Windows Server</b>										
71	VM - 1 Core, 2 GB RAM or higher	per hour	2.33	1.38	1.40	1.80	1.26	1.34	1.38	2.32
72	VM - 2 Core, 4 GB RAM or higher	per hour	3.92	3.15	3.06	4.10	2.33	2.49	2.61	4.61
73	VM - 2 Core, 8 GB RAM or higher	per hour	6.05	8.99	6.00	7.20	4.10	4.37	4.58	8.68
74	VM - 4 Core, 8 GB RAM or higher	per hour	13.81	17.47	12.00	21.06	16.44	8.40	8.72	24.16
75	VM - 4 Core, 16 GB RAM or higher	per hour	11.02	17.97	12.00	23.44	9.39	8.40	8.72	16.34
76	VM - 4 Core, 30 GB RAM or higher	per hour	19.89	20.89	21.19	27.24	18.96	20.23	21.07	31.26
77	VM - 8 Core, 16 GB RAM or higher	per hour	30.15	34.94	23.99	42.12	32.82	15.39	36.47	48.32
78	VM - 8 Core, 32 GB RAM or higher	per hour	33.44	35.94	23.99	28.79	18.84	15.39	16.04	52.69
79	VM - 8 Core, 60 GB RAM or higher	per hour	38.69	41.78	45.41	54.49	37.99	40.52	42.21	62.52
80	VM - 16 Core, 32 GB RAM or higher	per hour	59.22	69.86	43.88	84.23	65.71	70.09	73.01	96.64
81	VM - 16 Core, 56 GB RAM or higher	per hour	65.79	71.88	43.88	93.75	68.67	47.28	76.30	105.38
82	VM - 16 Core, 112 GB RAM or higher	per hour	76.31	83.56	90.82	108.98	75.92	80.98	84.35	125.03
83	VM - 32 Core, 128 GB RAM or higher	per hour	130.50	143.77	156.25	187.51	137.34	146.50	169.55	293.75
84	VM - 32 Core, 244 GB RAM or higher	per hour	151.53	167.12	181.63	217.96	151.89	162.76	169.55	293.75
<b>Database - Open Source (Postgres / MySQL / etc)</b>										
85	VM - 1 Core, 2 GB RAM or higher	per hour	1.10	6.99	1.08	1.58	0.63	0.67	2.66	1.69
86	VM - 2 Core, 4 GB RAM or higher	per hour	2.18	14.37	2.16	3.15	1.20	1.28	2.66	3.39
87	VM - 2 Core, 8 GB RAM or higher	per hour	4.39	20.21	4.32	6.36	2.39	2.55	3.08	6.89
88	VM - 4 Core, 8 GB RAM or higher	per hour	8.47	39.91	8.64	10.12	4.85	5.17	5.39	13.79
89	VM - 4 Core, 16 GB RAM or higher	per hour	8.79	40.41	8.64	12.49	4.79	5.11	6.23	13.79
90	VM - 4 Core, 30 GB RAM or higher	per hour	13.69	43.33	13.22	16.30	7.37	7.86	8.19	18.70
91	VM - 8 Core, 16 GB RAM or higher	per hour	17.79	79.82	17.27	20.22	9.64	10.28	10.71	23.21
92	VM - 8 Core, 32 GB RAM or higher	per hour	17.59	80.82	17.27	25.46	9.51	10.15	9.96	27.57
93	VM - 8 Core, 60 GB RAM or higher	per hour	28.72	86.66	26.44	32.60	14.81	15.79	15.46	37.40
94	VM - 16 Core, 32 GB RAM or higher	per hour	34.51	159.62	34.60	40.46	19.34	20.63	20.20	46.41
95	VM - 16 Core, 56 GB RAM or higher	per hour	34.51	161.65	34.60	49.97	22.30	23.79	23.29	55.15
96	VM - 16 Core, 112 GB RAM or higher	per hour	45.02	173.32	52.88	65.20	29.55	31.52	30.86	74.80
97	VM - 32 Core, 128 GB RAM or higher	per hour	69.00	323.29	81.06	99.94	44.60	45.60	46.59	149.60
98	VM - 32 Core, 244 GB RAM or higher	per hour	90.02	346.65	105.76	130.39	59.16	63.84	61.79	149.60
<b>Database - MS SQL Standard Edition</b>										

Financials

99	VM - 1 Core, 2 GB RAM or higher	per hour	17.67	19.63	21.33	25.51	28.44	40.99	27.38	NO
100	VM - 2 Core, 4 GB RAM or higher	per hour	19.26	21.39	21.57	27.23	27.68	40.99	27.38	44.84
101	VM - 2 Core, 8 GB RAM or higher	per hour	21.39	27.23	25.83	31.00	28.13	41.40	27.80	45.93
102	VM - 4 Core, 8 GB RAM or higher	per hour	29.17	35.71	31.83	44.86	46.68	42.27	54.82	56.92
103	VM - 4 Core, 16 GB RAM or higher	per hour	26.36	36.22	31.83	47.23	47.44	42.27	55.66	59.15
104	VM - 4 Core, 30 GB RAM or higher	per hour	37.13	39.13	42.53	51.04	49.20	52.48	57.62	64.02
105	VM - 8 Core, 16 GB RAM or higher	per hour	59.55	71.43	63.65	93.16	93.30	84.60	109.57	113.84
106	VM - 8 Core, 32 GB RAM or higher	per hour	52.74	72.43	63.65	76.38	94.82	84.60	111.25	119.30
107	VM - 8 Core, 60 GB RAM or higher	per hour	76.30	78.27	85.07	102.08	98.47	84.60	115.49	128.04
108	VM - 16 Core, 32 GB RAM or higher	per hour	130.42	142.86	118.03	107.41	186.67	193.88	146.11	227.68
109	VM - 16 Core, 56 GB RAM or higher	per hour	130.42	144.89	126.03	188.93	189.63	199.00	222.50	238.60
110	VM - 16 Core, 112 GB RAM or higher	per hour	140.93	156.56	170.13	204.16	196.88	210.00	230.55	256.07
111	VM - 32 Core, 128 GB RAM or higher	per hour	260.83	289.72	314.88	377.86	379.26	404.54	445.01	NO
112	VM - 32 Core, 244 GB RAM or higher	per hour	281.85	313.08	340.26	408.31	393.81	420.81	461.18	512.15
<b>Database - MS SQL Enterprise Edition</b>										
113	VM - 1 Core, 2 GB RAM or higher	per hour	62.83	69.80	75.86	91.03	NO	118.34	73.09	NO
114	VM - 2 Core, 4 GB RAM or higher	per hour	64.42	71.56	77.64	93.34	NO	118.34	73.09	NO
115	VM - 2 Core, 8 GB RAM or higher	per hour	66.56	77.40	81.36	96.43	NO	118.34	73.09	NO
116	VM - 4 Core, 8 GB RAM or higher	per hour	74.33	85.89	86.35	112.01	110.94	118.34	73.09	126.54
117	VM - 4 Core, 16 GB RAM or higher	per hour	71.53	86.39	86.35	112.67	111.70	110.81	75.89	128.72
118	VM - 4 Core, 30 GB RAM or higher	per hour	82.30	89.31	97.06	116.48	113.46	121.03	75.89	133.63
119	VM - 8 Core, 16 GB RAM or higher	per hour	149.88	171.77	172.75	223.31	221.82	236.61	146.12	253.07
120	VM - 8 Core, 32 GB RAM or higher	per hour	143.07	172.78	172.75	207.25	223.34	216.99	147.80	257.44
121	VM - 8 Core, 60 GB RAM or higher	per hour	166.64	178.61	194.12	232.95	226.99	242.12	152.03	267.27
122	VM - 16 Core, 32 GB RAM or higher	per hour	311.08	343.53	313.74	441.15	443.71	473.29	292.30	506.14
123	VM - 16 Core, 56 GB RAM or higher	per hour	311.08	345.55	313.74	450.68	446.67	476.45	295.59	514.88
124	VM - 16 Core, 112 GB RAM or higher	per hour	321.60	357.23	388.25	465.89	453.92	484.18	303.64	534.53
125	VM - 32 Core, 128 GB RAM or higher	per hour	622.15	691.11	751.12	901.43	893.34	952.90	591.19	1,112.75
126	VM - 32 Core, 244 GB RAM or higher	per hour	643.18	714.46	776.50	931.80	907.89	969.16	607.36	1,112.75
<b>Database - MS SQL Web Edition</b>										
127	VM - 1 Core, 2 GB RAM or higher	per hour	2.56	2.84	3.09	3.71	3.00	6.12	10.61	7.17
128	VM - 2 Core, 4 GB RAM or higher	per hour	4.15	4.61	4.54	6.01	11.36	6.99	10.61	9.49
129	VM - 2 Core, 8 GB RAM or higher	per hour	6.28	10.45	7.32	9.10	11.82	8.74	11.03	13.53
130	VM - 4 Core, 8 GB RAM or higher	per hour	14.06	18.93	13.58	24.69	20.66	13.84	21.28	28.80
131	VM - 4 Core, 16 GB RAM or higher	per hour	11.25	19.43	12.70	25.34	21.42	14.58	22.12	21.21
132	VM - 4 Core, 30 GB RAM or higher	per hour	22.02	22.35	24.29	29.15	23.25	18.38	24.08	36.10
133	VM - 8 Core, 16 GB RAM or higher	per hour	29.33	37.86	27.17	49.37	41.39	27.68	42.49	57.53
134	VM - 8 Core, 32 GB RAM or higher	per hour	22.52	38.86	27.17	32.69	42.84	29.16	44.17	61.90

Financials

135	VM - 8 Core, 60 GB RAM or higher	per hour	46.08	44.70	45.34	58.29	46.49	36.75	48.23	72.14
136	VM - 16 Core, 32 GB RAM or higher	per hour	69.98	75.70	45.06	98.75	82.72	55.28	85.05	115.07
137	VM - 16 Core, 56 GB RAM or higher	per hour	69.98	77.72	45.06	101.37	85.74	60.40	88.34	123.81
138	VM - 16 Core, 112 GB RAM or higher	per hour	80.49	89.40	97.16	116.60	92.99	73.57	96.39	144.28
139	VM - 32 Core, 128 GB RAM or higher	per hour	139.95	155.44	168.94	202.73	171.42	147.07	176.69	288.56
140	VM - 32 Core, 244 GB RAM or higher	per hour	160.97	178.80	194.32	233.19	185.98	147.07	192.86	288.56
<b>Database - Oracle Standard Edition</b>										
141	VM - 1 Core, 2 GB RAM or higher	per hour	92.57	NO	1.18	10.00	2.65	21.44	9.66	NO
142	VM - 2 Core, 4 GB RAM or higher	per hour	185.12	NO	2.37	20.00	5.29	21.44	9.66	NO
143	VM - 2 Core, 8 GB RAM or higher	per hour	187.34	NO	4.74	20.00	10.65	21.44	19.06	NO
144	VM - 4 Core, 8 GB RAM or higher	per hour	374.36	NO	9.46	40.00	21.29	41.66	68.48	NO
145	VM - 4 Core, 16 GB RAM or higher	per hour	374.68	NO	9.46	40.00	21.29	42.34	149.91	NO
146	VM - 4 Core, 30 GB RAM or higher	per hour	379.58	NO	14.49	40.00	75.10	46.64	146.36	NO
147	VM - 8 Core, 16 GB RAM or higher	per hour	749.57	NO	18.93	80.00	42.53	55.10	75.50	NO
148	VM - 8 Core, 32 GB RAM or higher	per hour	749.37	NO	20.14	80.00	42.53	56.45	149.91	NO
149	VM - 8 Core, 60 GB RAM or higher	per hour	760.50	NO	27.17	80.00	150.19	65.05	147.91	NO
150	VM - 16 Core, 32 GB RAM or higher	per hour	1,498.06	NO	40.28	160.00	150.19	84.67	292.44	NO
151	VM - 16 Core, 56 GB RAM or higher	per hour	1,498.06	NO	42.80	160.00	150.19	84.67	149.91	NO
152	VM - 16 Core, 112 GB RAM or higher	per hour	1,508.58	NO	68.82	160.00	2,068.29	101.88	299.01	NO
153	VM - 32 Core, 128 GB RAM or higher	per hour	2,996.11	NO	102.16	320.00	3,122.28	175.53	NO	NO
154	VM - 32 Core, 244 GB RAM or higher	per hour	3,017.14	NO	144.88	320.00	4,140.99	175.53	NO	NO
<b>Managed Database - Open Source (Postgres / MySQL / etc)</b>										
155	VM - 1 Core, 2 GB RAM or higher	per hour	1.10	6.99	2.53	2.92	0.63	0.69	4.85	3.34
156	VM - 2 Core, 4 GB RAM or higher	per hour	2.18	14.37	5.06	5.82	1.20	1.30	5.43	6.69
157	VM - 2 Core, 8 GB RAM or higher	per hour	4.39	20.21	12.75	5.82	2.39	2.60	6.76	13.58
158	VM - 4 Core, 8 GB RAM or higher	per hour	8.47	39.91	25.51	29.37	4.85	5.28	9.50	27.16
159	VM - 4 Core, 16 GB RAM or higher	per hour	8.79	40.41	27.85	29.37	4.79	5.21	9.40	27.16
160	VM - 4 Core, 30 GB RAM or higher	per hour	13.69	43.33	27.85	29.37	7.37	8.02	12.30	54.33
161	VM - 8 Core, 16 GB RAM or higher	per hour	17.79	79.82	51.02	58.73	9.64	10.49	14.82	65.79
162	VM - 8 Core, 32 GB RAM or higher	per hour	17.59	80.82	51.02	58.73	9.51	10.35	14.08	65.79
163	VM - 8 Core, 60 GB RAM or higher	per hour	28.72	86.66	55.70	58.73	14.81	16.11	19.57	73.71
164	VM - 16 Core, 32 GB RAM or higher	per hour	34.51	159.62	130.37	117.45	19.34	21.04	24.31	131.59
165	VM - 16 Core, 56 GB RAM or higher	per hour	34.51	161.65	111.39	117.45	22.30	24.26	27.40	131.59
166	VM - 16 Core, 112 GB RAM or higher	per hour	45.02	173.32	111.39	117.45	29.55	32.15	34.97	147.42
167	VM - 32 Core, 128 GB RAM or higher	per hour	69.00	323.29	204.10	234.90	44.60	45.60	50.70	294.84
168	VM - 32 Core, 244 GB RAM or higher	per hour	90.02	346.65	204.10	234.90	59.16	65.12	65.90	294.84
<b>Managed Database - MS SQL Standard Edition</b>										
169	VM - 1 Core, 2 GB RAM or higher	per hour	17.67	9.00	13.82	25.51	38.43	41.81	31.49	NO

Financials

170	VM - 2 Core, 4 GB RAM or higher	per hour	19.26	18.38	27.65	27.23	38.43	41.81	31.49	NO
171	VM - 2 Core, 8 GB RAM or higher	per hour	21.39	24.22	27.65	31.00	38.81	42.22	31.91	73.57
172	VM - 4 Core, 8 GB RAM or higher	per hour	29.17	47.94	55.28	44.86	46.68	43.11	58.93	NO
173	VM - 4 Core, 16 GB RAM or higher	per hour	26.36	48.44	55.28	47.23	47.44	43.11	59.77	94.80
174	VM - 4 Core, 30 GB RAM or higher	per hour	37.13	51.36	55.28	51.04	49.20	53.53	61.73	98.01
175	VM - 8 Core, 16 GB RAM or higher	per hour	59.55	57.79	110.57	93.16	93.30	86.30	113.68	NO
176	VM - 8 Core, 32 GB RAM or higher	per hour	52.74	58.79	110.57	76.38	94.82	86.30	115.36	189.60
177	VM - 8 Core, 60 GB RAM or higher	per hour	76.30	64.63	110.57	102.08	98.47	86.30	119.60	196.01
178	VM - 16 Core, 32 GB RAM or higher	per hour	130.42	191.73	221.14	107.41	186.67	203.10	150.22	NO
179	VM - 16 Core, 56 GB RAM or higher	per hour	130.42	193.75	221.14	188.93	189.63	206.32	226.61	379.27
180	VM - 16 Core, 112 GB RAM or higher	per hour	140.93	205.43	221.14	204.16	196.88	214.20	234.66	394.08
181	VM - 32 Core, 128 GB RAM or higher	per hour	260.83	387.50	331.72	377.86	379.26	412.63	449.12	394.08
182	VM - 32 Core, 244 GB RAM or higher	per hour	281.85	410.85	331.72	408.31	393.81	429.22	465.29	784.06
<b>Managed Database - MS SQL Enterprise Edition</b>										
183	VM - 1 Core, 2 GB RAM or higher	per hour	62.83	9.00	13.82	31.82	NO	120.71	77.20	NO
184	VM - 2 Core, 4 GB RAM or higher	per hour	64.42	18.38	27.65	31.82	NO	120.71	77.20	NO
185	VM - 2 Core, 8 GB RAM or higher	per hour	66.56	24.22	27.65	31.82	NO	120.71	77.20	NO
186	VM - 4 Core, 8 GB RAM or higher	per hour	74.33	47.94	55.28	63.63	110.94	120.71	77.20	NO
187	VM - 4 Core, 16 GB RAM or higher	per hour	71.53	48.44	55.28	63.63	111.70	113.03	80.00	163.32
188	VM - 4 Core, 30 GB RAM or higher	per hour	82.30	51.36	55.28	63.63	113.46	123.45	80.00	174.58
189	VM - 8 Core, 16 GB RAM or higher	per hour	149.88	57.79	138.54	127.26	221.82	241.34	150.23	NO
190	VM - 8 Core, 32 GB RAM or higher	per hour	143.07	58.79	138.54	127.26	223.34	221.33	151.91	326.64
191	VM - 8 Core, 60 GB RAM or higher	per hour	166.64	64.63	138.54	127.26	226.99	246.96	156.14	349.17
192	VM - 16 Core, 32 GB RAM or higher	per hour	311.08	191.73	244.59	254.51	443.71	482.76	296.41	NO
193	VM - 16 Core, 56 GB RAM or higher	per hour	311.08	193.75	244.59	254.51	446.67	485.98	299.70	653.36
194	VM - 16 Core, 112 GB RAM or higher	per hour	321.60	205.43	256.89	254.51	453.92	493.86	307.75	698.33
195	VM - 32 Core, 128 GB RAM or higher	per hour	622.15	387.50	456.68	509.02	893.34	971.95	595.30	NO
196	VM - 32 Core, 244 GB RAM or higher	per hour	643.18	410.85	486.68	509.02	907.89	988.54	611.47	1,396.67
<b>Managed Database - MS SQL Web Edition</b>										
197	VM - 1 Core, 2 GB RAM or higher	per hour	2.56	NO	13.82	3.71	12.47	6.24	14.72	10.85
198	VM - 2 Core, 4 GB RAM or higher	per hour	4.15	NO	27.65	6.01	12.47	7.13	14.72	29.28
199	VM - 2 Core, 8 GB RAM or higher	per hour	6.28	NO	27.65	9.10	12.85	8.91	15.14	29.48
200	VM - 4 Core, 8 GB RAM or higher	per hour	14.06	NO	55.28	24.69	20.66	14.87	25.39	NO
201	VM - 4 Core, 16 GB RAM or higher	per hour	11.25	NO	55.28	25.34	21.42	14.87	26.23	50.23
202	VM - 4 Core, 30 GB RAM or higher	per hour	22.02	NO	55.28	29.15	23.25	25.29	28.19	54.67
203	VM - 8 Core, 16 GB RAM or higher	per hour	29.33	NO	110.57	49.37	41.39	29.75	46.60	NO
204	VM - 8 Core, 32 GB RAM or higher	per hour	22.52	NO	110.57	32.69	42.84	29.75	48.28	100.53
205	VM - 8 Core, 60 GB RAM or higher	per hour	46.08	NO	110.57	58.29	46.49	50.59	52.34	109.34

Financials

206	VM - 16 Core, 32 GB RAM or higher	per hour	69.98	NO	221.14	98.75	82.72	90.00	89.16	NO
207	VM - 16 Core, 56 GB RAM or higher	per hour	69.98	NO	221.14	101.37	85.74	93.29	92.45	201.06
208	VM - 16 Core, 112 GB RAM or higher	per hour	80.49	NO	221.14	116.60	92.99	73.57	100.50	NO
209	VM - 32 Core, 128 GB RAM or higher	per hour	139.95	NO	456.68	202.73	171.42	147.07	180.80	NO
210	VM - 32 Core, 244 GB RAM or higher	per hour	160.97	NO	456.68	233.19	185.98	147.07	196.97	NO
<b>Managed Database - Oracle Standard Edition</b>										
211	VM - 1 Core, 2 GB RAM or higher	per hour	179.18	NO	1.48	10.00	2.65	4.58	13.77	4.57
212	VM - 2 Core, 4 GB RAM or higher	per hour	358.34	NO	2.96	20.00	5.29	9.16	13.77	9.15
213	VM - 2 Core, 8 GB RAM or higher	per hour	360.55	NO	5.92	20.00	10.65	21.87	23.17	28.26
214	VM - 4 Core, 8 GB RAM or higher	per hour	720.79	NO	11.83	40.00	21.29	42.50	72.59	NO
215	VM - 4 Core, 16 GB RAM or higher	per hour	721.11	NO	11.83	40.00	21.29	43.18	154.02	64.56
216	VM - 4 Core, 30 GB RAM or higher	per hour	726.01	NO	18.11	40.00	55.21	47.57	150.47	NO
217	VM - 8 Core, 16 GB RAM or higher	per hour	1,442.43	NO	23.66	80.00	42.53	56.21	79.61	NO
218	VM - 8 Core, 32 GB RAM or higher	per hour	1,442.23	NO	23.66	80.00	42.53	57.58	154.02	129.13
219	VM - 8 Core, 60 GB RAM or higher	per hour	1,453.36	NO	33.32	80.00	114.77	66.35	152.01	NO
220	VM - 16 Core, 32 GB RAM or higher	per hour	2,883.79	NO	47.39	160.00	150.19	86.37	296.55	NO
221	VM - 16 Core, 56 GB RAM or higher	per hour	2,883.79	NO	47.39	160.00	150.19	86.37	154.02	260.51
222	VM - 16 Core, 112 GB RAM or higher	per hour	2,894.30	NO	72.44	160.00	214.89	103.91	303.12	NO
223	VM - 32 Core, 128 GB RAM or higher	per hour	5,767.56	NO	102.16	320.00	3,122.28	179.04	NO	NO
224	VM - 32 Core, 244 GB RAM or higher	per hour	5,788.58	NO	144.88	320.00	4,140.99	179.04	NO	NO
<b>Storage (Unit Rate in Rs.) (excluding taxes)</b>										
225	Premium Block Storage (SSD) for Database - Production Environment (Rate to be quoted for usable capacity configured on RAID1+0)	per GB per month	3.39	8.73	7.94	7.85	7.18	7.66	8.40	7.78
226	Standard Block Storage for Database - Development / Pre-Production Environment (Rate to be quoted for usable capacity configured on RAID1+0)	per GB per month	1.81	3.27	2.56	1.32	3.21	3.43	3.57	3.48
227	Object Storage for unstructured data (Rate to be quoted for usable capacity)	per GB per month	0.82	1.32	1.03	1.32	1.40	1.02	2.10	1.71
228	Archival Storage (Rate to be quoted for usable capacity)	per GB per month	0.13	0.17	0.13	0.17	0.13	0.34	0.70	0.34
<b>Backup Services (Unit Rate in Rs.) (excluding taxes)</b>										
229	Backup service for Storage	per GB per month	0.82	1.74	0.92	1.32	1.31	3.36	2.12	1.71
230	Backup service for VM	per VM per month	217.66	660.96	258.43	1,652.41	0.00	0.00	0.00	0.00
<b>Networking and Security Services (Unit Rate in Rs.) (excluding taxes)</b>										
231	IPS / IDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
i	1 vCPU / 2 vCPU	per VM per hour	0.91	1.32	1.03	1.19	1.87	0.70	0.70	NO



Financials

ii	4 vCPU	per VM per hour	0.91	1.32	4.13	1.19	1.87	1.50	2.10	NO
iii	8 vCPU	per VM per hour	0.91	1.32	8.27	1.19	1.87	1.50	4.20	NO
iv	16 vCPU	per VM per hour	0.91	1.32	16.54	1.19	1.87	1.50	4.20	NO
v	32 vCPU	per VM per hour	0.91	1.32	33.08	1.19	1.87	1.50	4.20	NO
232	Security Incident and Event Monitoring (including Log Analytics)	NA	NA	NA	NA	NA	NA	NA	NA	NA
i	1 vCPU / 2 vCPU	per VM per hour	145.93	214.15	0.00	191.55	14.64	25.00	38.36	0.20
ii	4 vCPU	per VM per hour	145.93	214.15	233.90	191.55	22.52	30.00	38.36	0.20
iii	8 vCPU	per VM per hour	145.93	214.15	345.87	191.55	40.54	35.00	38.36	0.20
iv	16 vCPU	per VM per hour	145.93	214.15	448.56	191.55	61.37	40.00	43.87	0.20
v	32 vCPU	per VM per hour	145.93	214.15	786.89	191.55	113.17	25.00	43.87	0.20
233	Application Performance Monitoring	per test per month	542.81	873.79	608.08	191.55	630.00	3.50	16.80	NO
234	Vulnerability Assessment Tool	per test per month	1,200.00	80,000.00	2,687.32	1.19	630.00	315.00	10.50	50,049.77
235	Data Transfer Out (Egress)	per GB per month	4.93	7.93	6.20	7.14	3.15	7.64	6.93	7.51
236	Application Load Balancer	per Load Balancer per month	0.00	0.00	904.94	1,085.63	1,953.00	1,176.00	1,363.60	1,174.45
237	Network Load Balancer	per Load Balancer per month	346.55	0.00	436.08	21.41	1,953.00	1,176.00	1,225.00	1,174.45
238	Web Application Firewall	per Firewall per month	4,668.85	6,809.08	7.30	8.40	1,890.00	200.00	53.99	341.25
239	IPSec VPN Connection	per VPN per month	3.70	1,737.01	6.51	11.30	2,305.80	2,520.00	2,592.04	2,457.00
240	Dedicated MPLS Connectivity - Port Charges (excludes ISP charges)	NA	NA	NA	NA	NA	NA	NA	NA	NA
i	50 Mbps	per month	3,431.72	3,635.29	2,726.47	36,286.84	1,383.48	1,642.50	1,537.20	1,474.20
ii	100 Mbps	per month	6,239.49	6,609.63	4,957.22	73,168.55	2,766.96	3,285.00	3,074.40	2,948.40
iii	200 Mbps	per month	9,047.25	9,583.96	7,187.97	1,36,819.24	3,689.28	6,570.00	6,148.80	5,896.80
iv	300 Mbps	per month	18,094.51	NO	12,663.38	2,09,987.79	5,533.92	9,855.00	9,223.20	8,845.20
v	400 Mbps	per month	18,094.51	NO	13,200.36	4,19,975.59	7,378.56	13,140.00	12,297.60	11,793.60
vi	500 Mbps	per month	18,094.51	19,167.91	14,375.93	3,09,330.45	9,223.20	16,425.00	15,372.00	14,742.00
vii	1 Gbps	per month	27,204.16	28,817.97	21,613.44	5,17,533.64	15,218.28	1,23,187.50	15,372.00	14,742.00
<b>Disaster Recovery Services (Unit Rate in Rs.) (excluding taxes)</b>										

Financials

241	<p>DR as a service to meet RTO and RPO (<b>includes cost of replication, connectivity between DC &amp; DR and any other requirement to get functional DR</b>)                  Applicable when the Client is taking both DC and DR from the Cloud Service Provider.                  The pricing below is for the DR environment in cloud while the primary environment is functional. In case a DR is declared and the DR is scaled-up to become the new functional environment within the RPO/RTO, <b>the Supplier will be paid separately for the resources provisioned as per the unit pricing of VMs, storage and any other service for that duration.</b></p>	NA	NA	NA	NA	NA	NA	NA	NA	NA
i	For non-database (e.g., web, application) servers	% of VM cost or fixed charges per VM per month	1,026.50	1,652.41	1,292.19	1,487.17	0.00	2,450.00	0.00	0.00
ii	For database servers	% of VM cost or fixed charges per VM per month	1,652.41	1,652.41	1,292.19	100%	0.00	2,450.00	0.00	25%
iii	For block storage	% of block storage cost or fixed charges per GB per month	3.03	1.32	257.60	1.32	0.00	25%	0.00	50%
iv	For object storage	% of object storage cost or fixed charges per GB per month	0.85	3.27	1.21	1.32	0.00	1.02	0.00	0.00
242	<p>DR as a service to meet RTO and RPO (<b>includes cost of replication and any other requirement to get functional DR</b>)                  Applicable when the Client is taking only DR from the Supplier for a primary environment running within the Client's premises / State Data Center.                  The pricing below is for the DR environment in cloud while the primary environment is functional. In case a DR is declared and the DR is scaled-up to become the new functional environment within the RPO/RTO, <b>the Supplier will be paid separately for the resources provisioned as per the unit pricing of VMs, storage and any other service for that duration.</b></p>	NA	NA	NA	NA	NA	NA	NA	NA	NA

Financials

i	For non-database (e.g., web, application) servers	% of VM cost or fixed charges per VM per month	656.96	1,652.41	1,292.19	1,487.17	2,656.60	0.00	125%	50%
ii	For database servers	% of VM cost or fixed charges per VM per month	1,501.38	1,652.41	1,292.19	100%	3,081.20	0.00	125%	50%
iii	For block storage	% of block storage cost or fixed charges per GB per month	4.95	1.32	257.60	1.32	7.18	0.00	125%	100%
iv	For object storage	% of object storage cost or fixed charges per GB per month	0.85	3.27	1.21	1.32	1.58	0.00	125%	100%
<b>Migration, Cloud Managed and Exit Management Services (Unit Rate in Rs.) (excluding taxes)</b>										
243	Migration Services Cost Refer to RFP for scope of migration services - One time cost per application to be migrated  <b>Note:</b> Migration services scope is NOT included under the Managed Services Cost.	NA	NA	NA	NA	NA	NA	NA	NA	NA
i	low complexity application (< 5 VMs)	One time cost per application to be migrated	25,000.00	25,000.00	7,500.00	0.00	6,300.00	5,000.00	42,500.00	2,000.00
ii	moderate complexity application (5 - 10 VMs)	One time cost per application to be migrated	25,000.00	30,000.00	12,500.00	0.00	11,250.00	20,000.00	1,27,500.00	5,000.00
iii	High complexity application (> 10 VMs)	One time cost per application to be migrated	50,000.00	50,000.00	15,000.00	0.00	27,000.00	50,000.00	2,40,910.00	10,000.00

Financials

244	Cloud Managed Services Cost Refer to RFP for scope of Cloud Managed services - Monthly Cost (To be provided as % of the overall cloud infra billing cost) <b>Note:</b> In case the Client does not have capacity to manage the provisioned cloud services, the Client can procure cloud managed services (e.g., provisioning, security configuration, monitoring) from the Supplier. Migration Services and Exit Management scope is NOT included under the Managed Services Cost.	as % of monthly bill	5.00	30.00	5.00	0.00	9.00	7.00	8.00	15.00
245	Exit Management Services Cost Refer to RFP for scope of Cloud Exit Management services - One time cost per application to be migrated (Data transfer charges to be paid as per the above data transfer out pricing) <b>Note:</b> Exit Management scope is NOT included under the Managed Services Cost.	NA	NA	NA	NA	NA	NA	NA	NA	NA
i	low complexity application (< 5 VMs)	One time cost per application to be migrated	25,000.00	25,000.00	7,500.00	10,000.00	6,300.00	5,000.00	37,500.00	1,000.00
ii	moderate complexity application (5 - 10 VMs)	One time cost per application to be migrated	25,000.00	30,000.00	12,500.00	20,000.00	11,250.00	20,000.00	1,12,500.00	1,000.00
iii	High complexity application (> 10 VMs)	One time cost per application to be migrated	50,000.00	50,000.00	15,000.00	50,000.00	27,000.00	50,000.00	2,25,000.00	1,000.00
<b>Additional Services</b>										
246	Next Generation Firewall	per instance per month	54,800.24	NO	NO	NO	1,890.00	15,000.00	4,599.00	NO
247	DevOps as a Service	per user per month	360.33	NO	NO	NO	126.00	0.00	0.00	NO
248	SSL Certificate Manager	per month	1,000.00	NO	NO	NO	47.25	21.99	970.90	NO
249	SSL Certificate (Based on validation level)	NA	NA	NA	NA	NA	NA	NA	NA	NA
i	Extended Validation Certificates (EV SSL)	per instance per month	1,000.00	NO	NO	NO	729.70	401.80	1,363.60	NO
ii	Organization Validated Certificates (OV SSL)	per instance per month	666.67	NO	NO	NO	167.95	787.44	1,363.60	NO
iii	Domain Validated Certificates (DV SSL)	per instance per month	416.67	NO	NO	NO	19.79	21.99	0.00	NO
250	SSL Certificate (Based on number of secured domains)	NA	NA	NA	NA	NA	NA	NA	NA	NA

Financials

i	Wildcard SSL certificate	per instance per month	1,833.00	NO	NO	NO	503.95	413.46	1,363.60	NO
ii	Multi-domain SSL Certificate (MDC)	per instance per month	1,833.00	NO	NO	NO	188.37	456.00	1,363.60	NO
iii	Unified Communications Certificate (UCC)	per instance per month	NO	NO	NO	NO	188.37	456.00	1,363.60	NO