

**Cloud Computing Policy-
Instructions to Departments
regarding hosting of IT
applications.**

**Government of Maharashtra
General Administration Department
Addendum to Government Circular No. GAD-IT-060/3/2017
Hutatma Rajguru Chowk, Madam Cama Road,
Mantralaya, Mumbai – 400 032
Dated – 19th June, 2019**

Introduction-

Considering the growing adoption of online services by citizens of the State & use of IT within Government, there is a constantly increasing demand from Departments for infrastructure for hosting services including disaster recovery and backup for their various IT applications.

Para 7.13 of the State's E-governance policy (DIT GR dated 23.09.2011), "The State shall explore the option of cloud computing as a preferred way for implementing all e Governance projects in the State." The Government had set up a Committee headed by Principal Secretary IT to prepare the Cloud Computing Policy of the State. The said policy has been approved by the Government on 17.1.2018. It is proposed to communicate the salient features of the State's Cloud Computing Policy to all Departments and issue operational instructions regarding the steps to be followed by Departments.

The following instructions are issued in addendum to earlier instructions issued in this regard.

Government Resolution-

1. The following instructions will apply to all Government Departments, sub-ordinate offices, Public Sector Undertakings, Urban and Rural Local Bodies & any body/organization set up under any law of the State Government (henceforth collectively referred to as "Government organizations")
2. In case of existing applications not hosted in a cloud environment, Government organizations must ensure that the applications are migrated to cloud on or before **31.03.2020**. All Departments must review their existing software applications and ensure that the applications are cloud ready in time for the above migration.
3. To Further Expedite the Migration of department applications and websites to Cloud selection of cloud service providers/ do Migration of existing applications to cloud and hosting of new applications, PIC of DIT is hereby authorized for selection of CSP for other department projects in presence of Secretary (or his representative) of departments in DIT PIC.
4. Whenever departments are to avail the cloud services, they may send a detailed note to DIT for a PIC meeting and DIT PIC to be convened by DIT accordingly. Budget and payments for cloud services will continue to be provided by concerned parent department. All the concerned departments to make judicious use of cloud and its offerings appropriately and without delay.
5. Website and Application Security audit is Mandatory for hosting on Cloud. DIT / CERT-IN empanelment of Security audit Agencies be used for this Audit. Submission of Security audit report and Certificate along with Audited source code to DIT is mandatory before going live on internet.

6. As per Supreme Court of India and Bombay High Court Order on GIGW compliances of Websites below Process for hosting of Application on cloud(CSP) is being included but not limited to below:
 1. Website should be in compliance with eGovernance Standards of Government of India
 2. Technical Standards for Interoperability Framework for e-Governance (IFEG) in India Version 1.0 or higher
 1. MDDS- Demographic Standards ,Character Encoding, Font Standard, eGov.BIDS
 2. eSAFE-ISF01, eSAFE Framework (and associated documents) or higher
 3. Guidelines for Usage of Digital Signatures in e-Governance
 4. Policy on Open Standards for e-Governance , Framework for Mobile Governance
 5. e-Governance policies of Government of Maharashtra
 6. Guidelines of Indian Government Website (GIGW)
 7. WCAG 2.0 or higher standard, W3C
 8. Other e-Governance standards of Government of India (egovstandards.gov.in)
7. Compliance Certificate submission by Department has to be done for showing above compliance to DIT.
8. Details of the website such as Operating System, Database used, Web Servers used, Data Storage required, architecture, functionality, framework used etc. needs to be provided to DIT/SDC for due scrutiny as and when asked for by DIT
9. Chief Information Security Officer (CISO) of DIT/SDC will analyze the documents submitted by department along with security audit certificate, and will submit acceptance or rejection report for hosting on cloud (CSP)

This Government resolution of Maharashtra Government is available at the website www.maharashtra.gov.in. Reference no. for this is 201906191741481211. This order has been signed digitally.

By order and in the name of the Governor of Maharashtra.

S V R Srinivas

Digitally signed by S V R Srinivas
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(S.V.R. Srinivas)

Principal Secretary IT,
Government of Maharashtra.

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5. All Hon'ble Members of Legislative Assembly/ Legislative council,
6. Personal Assistant to Chief Secretary,

7. Additional Chief Secretary/Principal Secretary/Secretary of All Departments,
8. Principal Secretary School Education Department, Mantralaya Mumbai,
9. Secretary, Women and Child Development Department, Mantralaya Mumbai,
10. Registrar, High Court (Original Side) Mumbai,
11. Registrar, High Court (Appellate Side) Mumbai,
12. Registrar, Lok Ayukta and Up Lok Ayukta, Maharashtra State Mumbai,
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14. Secretary, Maharashtra Public Service Commission Mumbai,
15. Principal Secretary, Maharashtra Vidhan Mandal Sachivalaya Mumbai,
16. Chief Information Commissioner, State Information Commission, Mumbai,
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19. Auditor, Accountant General (Audit), Maharashtra Mumbai,
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24. All Collectors,
25. All Chief Executive Officer, Zilla Parishad/ All Chief Officers,
26. Director General, Information and Public Relations, Mantralaya Mumbai,
27. Managing Director, Maharashtra IT Corporation Mumbai,
28. Chief Operating Officer Mahaonline Mumbai,
29. State Head, CSC-SPV, Mumbai,
30. CISO, DIT/SDC, Mumbai
31. Select File, DIT, General Administration Department, Mantralaya.

**Cloud Computing Policy-
Empanelment of Cloud Service Providers and
Guidelines for Government organizations**

**Government of Maharashtra
Directorate of Information Technology
Government Circular No. मातंसं - 060/3/2017/3
Hutatma Rajguru Chowk, Madam Cama Road,
Mantralaya, Mumbai - 400 032
Dated - 4th Aug 2018**

Addendum to Government Circular No. मातंसं - 060/3/2017/2

Cloud Computing Policy-Empanelment of Cloud Service Providers and Guidelines for Government organizations dated 19th May 2018

Ref:

1. Cloud Computing policy Circular dated 29.1.2018
2. Cloud Computing Policy-Empanelment of Cloud Service Providers and Guidelines for Government organizations dated 19th May 2018

Government Circular:-

1. The following Cloud service providers (CSP) empanelled by DIT for a period of 3 years for providing cloud services to the all Government Departments, sub-ordinate offices, Public Sector Undertakings, Urban and Rural Local Bodies & any body/organization set up under any law of the State Government (henceforth collectively referred to as "Government organizations") from **1.5.2018 till 30.4.2021**.

Tier-1 empanelment

1. Amazon Web Services (AISPL)
2. Microsoft
3. Net Magic
4. Control-S (Conditional Empanelment for Sec-A of Annexure 8.1, 8.2 and 8.3 and not any other section)

Tier-2 empanelment

1. ESDS

Cloud service offerings

2.1 In addition to the cloud services being provided by the Cloud service providers, below additional services are being included in the list of cloud service offerings to be provided by the empanelled CSPs.

- a) Additional Virtual Machine Packs
- b) Platform as a service
- c) Software as a service

2.2 As part of each of these cloud service offerings, the following cloud services will be available to Government organizations as mentioned in Annexure 1 of this document

- Virtual machines
- Database as a service

- Data warehouse As a instance /Service
- Middle Ware software as a service based on Core, Memory and Storage Type
- Additional Services such as
 - ↘ Data warehouse as a service or equivalent
 - ↘ Access control as a service or equivalent
 - ↘ Simple Notification Service or equivalent
 - ↘ Managed Message Queuing Service or equivalent
 - ↘ Cloud HSM or equivalent
 - ↘ Big data processing as a service
 - ↘ Cache management as a service or equivalent
 - ↘ Elastic Search or equivalent
 - ↘ Data Streams or equivalent
 - ↘ Simple Workflow Service or equivalent
 - ↘ Cloud Formation or equivalent
 - ↘ Cloud AUDIT Trail or equivalent
 - ↘ Device based Data migration services
 - ↘ Storage Gateway or equivalent
 - ↘ Web App Hosting as a Service
 - ↘ API Management as a service
 - ↘ Enterprise Mailing Solution as a service
 - ↘ Enterprise Open source Mailing Solution as a service
 - ↘ Instant Messaging and Online Meetings
 - ↘ Online File Storage and Collaboration (Co-Authoring) solution
 - ↘ Cloud based Enterprise Office Productivity suit
 - ↘ Cloud based open source Office Productivity suit
 - ↘ ERP/SAP Basis support - cover 24x7 support via ticket, chat & email
 - ↘ ERP/SAP Basis support - cover 24x7 support via ticket, chat & email
 - ↘ Dual Factor Authentication (Per User)
 - ↘ Dual Factor Authentication Per 5000 Users
 - ↘ Dual Factor Authentication Per 50000 Users
- Business Intelligence tools as a Service (BlaaS) using MS SQL server
- Load Balancer as a Service (for each device)
- Interoperability as a service
- Services like DNS, Active directory, Virtual Private Network (VPN), API management, email/SMS gateway, back-up services, mobile services, developer tools and office productivity tools

3. Additional information to Annexure 1

Annexure 1 of this Circular supersedes the Annexure 1 Tier 2 empanelment rates of **Government Circular No. मातंसं - 060/3/2017/2** Cloud Computing Policy-Empanelment of Cloud Service providers and Guidelines for Government organizations dated 19th may 2018

This Government Circular of Maharashtra Government is available at the website www.maharashtra.gov.in. Reference no. for this is 201808041826435611. This order has been signed digitally.

By order and in the name of the Governor of Maharashtra,

S V R Srinivas

Digitally signed by S V R Srinivas
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(S.V.R. Srinivas)

Principal Secretary IT,
Government of Maharashtra.

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19. Pay and Accounts Officer, Mumbai,
20. Residential Audit Officer, Mumbai,
21. Commissioners of All Municipal Corporations,
22. All Collectors,
23. All Chief Executive Officer, Zilla Parishad/ All Chief Officers,
24. Director General, Information and Public Relations, Mantralaya Mumbai,
25. Managing Director, Maharashtra IT Corporation Mumbai,
26. Select File, DIT, General Administration Department, Mantralaya

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Public Cloud SECTION-A (1 Year)

SECTION-A Virtual Server										
Service Type			Feature				Included			
Networking			Network Segment- VLAN				Up to 5 Vm-1 network segment			
							5 to 10 Vm-2 network Segments			
							10-15 Vm-3 Network Segments			
							15-20 Vm-4 network segments			
			Networking - Load Balancing- Active Active				Included			
			Networking - Switching & Routing				Included			
			Managed Firewall(WAF), Non std encoding, session mgmt.				Included			
Administration			One Sub Admin Account				Included			
Operating System options			RedHat Enterprise Linux 7 or above				Included			
			CentOS operating System							
			Ubuntu Operating System							
			SUSE Linux operating system							
			Microsoft Windows Server 2012							
			Public IP				1 network segment-1			
							2 network Segments-2			
							3 network Segments- 3			
							4 network Segments- 4			
Security			SSL (DV+OV)				1	included		
			IAM + console				1	included		
Backup			100 GB per VM				1	included		
			DC-Public Cloud 1 year				DR-Public Cloud 1 year		DC+DR-Public Cloud 1 year	
Line Item #	VM	cpu	RAM	Storage (GB)	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate

Government Circular No.: **मातंस - 060/3/2017/3**

1	Pack 21	2	16	100	14.23	5122.00	14.23	5122.00	28.46	10244.00
2	Pack 22	4	16	250	16.94	6100.00	16.94	6100.00	33.89	12200.00
3	Pack 23	4	24	300	22.04	7934.00	22.04	7934.00	44.08	15868.00
4	Pack 24	4	32	300	24.48	8814.00	24.48	8814.00	48.97	17628.00
5	Pack 25	4	60	300	33.04	11894.00	33.04	11894.00	66.08	23788.00
6	Pack 26	6	32	450	29.06	10461.00	29.06	10461.00	58.12	20922.00
7	Pack 27	6	48	450	33.95	12221.00	33.95	12221.00	67.89	24442.00
8	Pack 28	6	64	450	38.84	13981.00	38.84	13981.00	77.67	27962.00
9	Pack 29	8	16	450	26.37	9493.00	26.37	9493.00	52.74	18986.00
10	Pack 30	8	32	450	31.26	11253.00	31.26	11253.00	62.52	22506.00
11	Pack 31	8	60	450	39.81	14333.00	39.81	14333.00	79.63	28666.00
12	Pack 32	8	64	600	43.41	15628.00	43.41	15628.00	86.82	31256.00
13	Pack 33	16	32	650	42.36	15250.00	42.36	15250.00	84.72	30500.00
14	Pack 34	16	64	950	57.75	20791.00	57.75	20791.00	115.51	41582.00
15	Pack 35	16	128	950	77.31	27831.00	77.31	27831.00	154.62	55662.00
16	Pack 36	32	244	800	127.98	46072.00	127.98	46072.00	255.96	92144.00
17	Pack 37	32	488	800	202.53	72912.00	202.53	72912.00	405.07	145824.00
18	Pack 38	36	60	800	76.16	27416.00	76.16	27416.00	152.31	54832.00
19	Pack 39	36	244	800	132.38	47656.00	132.38	47656.00	264.76	95312.00
20	Pack 40	40	160	850	111.90	40285.00	111.90	40285.00	223.81	80570.00
21	Pack 41	48	192	850	130.48	46973.00	130.48	46973.00	260.96	93946.00
22	Pack 42	48	192	850	130.48	46973.00	130.48	46973.00	260.96	93946.00
23	Pack 43	64	256	850	167.64	60349.00	167.64	60349.00	335.27	120698.00

24	Pack 44	64	488	950	240.11	86439.00	240.11	86439.00	480.22	172878.00
25	Pack 45	64	732	950	314.66	113279.00	314.66	113279.00	629.33	226558.00
26	Pack 46	64	976	950	389.22	140119.00	389.22	140119.00	778.44	280238.00
27	Pack 47	72	144	950	143.80	51767.00	143.80	51767.00	287.59	103534.00
28	Pack 48	96	384	950	243.53	87671.00	243.53	87671.00	487.06	175342.00
29	Pack 49	128	1952	950	757.84	272823.00	757.84	272823.00	1515.68	545646.00
30	Bandwidth-Plan 1- upto 100 GB				-	754.00	-	754.00	-	754.00
31	Bandwidth-Plan 2- upto 500 GB				-	3500.00	-	3500.00	-	3500.00
32	Bandwidth-Plan 3- upto 1000 GB				-	7000.00	-	7000.00	-	7000.00
33	Additional data transfer tariff per GB				-	8.00	-	8.00	-	8.00
34	Internet bandwidth (Unlimited data)			2mbps	-	1508.00	-	1508.00	-	1508.00
35				4mbps	-	3016.00	-	3016.00	-	3016.00
36				10mbps	-	7540.00	-	7540.00	-	7540.00
37				20mbps	-	15080.00	-	15080.00	-	15080.00

SECTION-A (2 Year)

SECTION-A Virtual Server		
Service Type	Feature	Included
Networking	Network Segment- VLAN	Up to 5 Vm-1 network segment
		5 to 10 Vm-2 network Segments
		10-15 Vm-3 Network Segments
		15-20 Vm-4 network segments
	Networking - Load Balancing- Active Active	Included
	Networking - Switching & Routing	Included

Government Circular No.: **मातंस - 060/3/2017/3**

10	Pack 30	8	32	450	31.26	11253.00	31.26	11253.00	62.52	22506.00
11	Pack 31	8	60	450	39.81	14333.00	39.81	14333.00	79.63	28666.00
12	Pack 32	8	64	600	43.41	15628.00	43.41	15628.00	86.82	31256.00
13	Pack 33	16	32	650	42.36	15250.00	42.36	15250.00	84.72	30500.00
14	Pack 34	16	64	950	57.75	20791.00	57.75	20791.00	115.51	41582.00
15	Pack 35	16	128	950	77.31	27831.00	77.31	27831.00	154.62	55662.00
16	Pack 36	32	244	800	127.98	46072.00	127.98	46072.00	255.96	92144.00
17	Pack 37	32	488	800	202.53	72912.00	202.53	72912.00	405.07	145824.00
18	Pack 38	36	60	800	76.16	27416.00	76.16	27416.00	152.31	54832.00
19	Pack 39	36	244	800	132.38	47656.00	132.38	47656.00	264.76	95312.00
20	Pack 40	40	160	850	111.90	40285.00	111.90	40285.00	223.81	80570.00
21	Pack 41	48	192	850	130.48	46973.00	130.48	46973.00	260.96	93946.00
22	Pack 42	48	192	850	130.48	46973.00	130.48	46973.00	260.96	93946.00
23	Pack 43	64	256	850	167.64	60349.00	167.64	60349.00	335.27	120698.00
24	Pack 44	64	488	950	240.11	86439.00	240.11	86439.00	480.22	172878.00
25	Pack 45	64	732	950	314.66	113279.00	314.66	113279.00	629.33	226558.00
26	Pack 46	64	976	950	389.22	140119.00	389.22	140119.00	778.44	280238.00
27	Pack 47	72	144	950	143.80	51767.00	143.80	51767.00	287.59	103534.00
28	Pack 48	96	384	950	243.53	87671.00	243.53	87671.00	487.06	175342.00
29	Pack 49	128	1952	950	757.84	272823.00	757.84	272823.00	1515.68	545646.00
30	Bandwidth-Plan 1- upto 100 GB				-	754.00	-	754.00	-	754.00
31	Bandwidth-Plan 2- upto 500 GB				-	3500.00	-	3500.00	-	3500.00
32	Bandwidth-Plan 3- upto 1000 GB				-	7000.00	-	7000.00	-	7000.00

33	Additional data transfer tariff per GB		-	8.00	-	8.00	-	8.00
34	Internet bandwidth (Unlimited data)	2mbps	-	1508.00	-	1508.00	-	1508.00
35		4mbps	-	3016.00	-	3016.00	-	3016.00
36		10mbps	-	7540.00	-	7540.00	-	7540.00
37		20mbps	-	15080.00	-	15080.00	-	15080.00

SECTION-B(1 Year)

SECTION-B DATABASE as a Service				DC-Public Cloud 1 year		DR-Public Cloud 1 year		DC+DR-Public Cloud 1 year		
Line Item #	Database Options	Core	RAM(GB)	Storage Type	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate
38	MS SQL Standard as a service	1	2		29.62	21624.74	31.08	22222.00	40.25	22222.00
39		2	4		43.40	22844.00	61.46	22844.00	43.40	22844.00
40		2	8		49.23	23296.00	61.46	23296.00	49.23	23296.00
41		4	16		60.24	24992.00	120.48	24992.00	60.24	24992.00
42		8	32		118.81	49984.00	231.77	49984.00	118.81	49984.00
43		16	64		293.89	99968.00	475.39	99968.00	293.89	99968.00
44		32	128		587.78	199936.00	972.81	199936.00	587.78	199936.00
45		40	160		1175.56	249920.00	1458.86	249920.00	1175.56	249920.00
46		64	256		1175.56	399872.00	1892.08	399872.00	1175.56	399872.00
47		4	30		116.53	26574.00	122.21	26574.00	146.95	26574.00
48		8	60		232.41	53148.00	231.77	53148.00	293.89	53148.00
49		16	122		464.17	106522.00	486.75	106522.00	587.78	106522.00
50		32	244		927.69	213044.00	972.81	213044.00	1175.56	213044.00
51		64	488		1435.87	426088.00	1956.00	426088.00	1435.87	426088.00
52		2	16		58.20	24200.00	61.46	24200.00	58.20	24200.00
53		4	30		79.39	26574.00	122.21	26574.00	79.39	26574.00
54		8	60		158.79	53148.00	231.77	53148.00	158.79	53148.00
55		16	122		317.58	106522.00	486.75	106522.00	317.58	106522.00
56		32	244		635.16	213044.00	927.04	213044.00	635.16	213044.00
57		MS SQL Enterprise as a service	1	2		29.62	21624.74	31.08	22222.00	60.70
58	2		4		58.59	22844.00	61.46	22844.00	120.05	22844.00
59	2		8		58.59	23296.00	61.46	23296.00	120.05	23296.00

Government Circular No.: **मातंस - 060/3/2017/3**

60		4	16		116.53	24992.00	122.21	24992.00	175.26	24992.00
61		8	32		232.41	49984.00	231.77	49984.00	350.52	49984.00
62		4	16		116.53	24992.00	122.21	24992.00	175.26	24992.00
63		8	32		232.41	49984.00	231.77	49984.00	350.52	49984.00
64		16	64		464.17	99968.00	486.75	99968.00	701.04	99968.00
65		40	160		1391.21	249920.00	1458.86	249920.00	2804.17	249920.00
66		64	256		2318.24	399872.00	2430.97	399872.00	2804.17	399872.00
67		4	32		116.53	26800.00	122.21	26800.00	238.75	26800.00
68		8	64		232.41	53600.00	231.77	53600.00	375.51	53600.00
69		16	128		464.17	107200.00	486.75	107200.00	950.93	107200.00
70		32	244		927.69	213044.00	972.81	213044.00	1900.50	213044.00
71		64	488		2318.24	426088.00	2430.97	426088.00	3064.48	426088.00
72		2	16		58.59	24200.00	61.46	24200.00	120.05	24200.00
73		4	30		116.53	26574.00	122.21	26574.00	181.18	26574.00
74		8	60		232.41	53148.00	231.77	53148.00	362.37	53148.00
75		16	122		464.17	106522.00	486.75	106522.00	724.73	106522.00
76		32	244		927.04	213044.00	927.04	213044.00	1449.46	213044.00
77	Postgre Enterprise as a service	1	2		6.05	4415.75	8.21	5996.80	14.26	10412.56
78		2	4		9.32	6818.70	9.32	6818.70	18.63	13637.40
79		2	8		22.15	16213.75	22.15	16213.75	44.30	32427.50
80		2	16		24.37	17786.99	24.53	17955.40	49.06	35910.80
81		4	16		43.99	32203.95	43.99	32203.95	87.99	64407.90
82		4	32		47.20	34458.41	48.75	35688.10	97.51	71376.20
83		8	32		87.77	64247.25	87.77	64247.25	175.54	128494.50
84		16	64		175.40	128395.90	175.40	128395.90	350.81	256791.80
85		40	160		0.00	320718.60	438.14	320718.60	876.28	641437.20
86		64	256		0.00	512915.50	700.70	512915.50	1401.41	1025831.00
87		4	30		47.20	34458.41	48.75	35688.10	97.51	71376.20
88		8	60		92.88	67801.27	97.20	71153.50	194.41	142307.00
89		16	122		184.23	134487.00	194.10	142084.30	388.21	284168.60
90		32	244		366.93	267858.44	387.90	283945.90	772.01	563569.06
91		64	488		0.00	567669.10	775.50	567669.10	1551.01	1135338.20
92		8	60		92.88	67801.27	97.20	71153.50	194.41	142307.00
93		16	122		184.23	134487.00	194.10	142084.30	388.21	284168.60
94		32	244		366.93	267858.44	387.90	283945.90	772.01	563569.06
95	Oralce Standard as a service	1	1		3.53	2587.40	3.53	2587.40	7.07	5174.80
96		1	2		6.42	4703.05	6.42	4703.05	12.85	9406.10
97		2	4		12.54	9182.55	12.54	9182.55	25.09	18365.10
98		2	8		43.91	32141.90	43.91	32141.90	87.82	64283.80

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99		4	16		87.60	64123.15	87.60	64123.15	175.20	128246.30
100		8	32		174.98	128084.80	174.98	128084.80	349.96	256169.60
101		2	8		43.91	32141.90	43.91	32141.90	87.82	64283.80
102		4	16		87.60	64123.15	87.60	64123.15	175.20	128246.30
103		8	32		174.98	128084.80	174.98	128084.80	349.96	256169.60
104		16	64		349.06	255511.70	349.06	255511.70	698.12	511023.40
105		2	16		45.18	33075.20	45.18	33075.20	90.37	66150.40
106		4	32		90.07	65927.70	90.07	65927.70	180.13	131855.40
107		8	64		179.82	131631.85	179.82	131631.85	359.65	263263.70
108		16	122		359.34	263040.15	359.34	263040.15	718.69	526080.30
109		2	16		45.18	33075.20	45.18	33075.20	90.37	66150.40
110		4	32		90.07	65927.70	90.07	65927.70	180.13	131855.40
111		8	64		179.82	131631.85	179.82	131631.85	0.00	0.00
112		16	124		359.34	263040.15	359.34	263040.15	718.69	526080.30
113	MySQL compatible relational database	1	2		5.27	3858.15	5.27	3858.15	10.54	7716.30
114		2	4		10.29	7529.30	10.29	7529.30	20.57	15058.60
115		2	16		24.37	17786.99	26.79	19556.39	51.16	37343.38
116		4	32		56.36	41252.20	51.90	37889.56	112.71	82504.40
117		8	64		92.88	67801.27	102.13	74555.89	195.01	142357.17
118		16	122		184.23	134487.00	202.59	147888.58	386.82	282375.58
119		32	244		366.93	267858.44	403.50	294553.94	770.43	562412.38
120		64	488		897.86	657230.20	897.86	657230.20	1795.71	1314460.40
121		2	16		24.37	17786.99	26.79	19556.39	51.16	37343.38
122		4	32		56.36	41252.20	51.90	37889.56	112.71	82504.40
123		8	64		92.88	67801.27	102.13	74555.89	195.01	142357.17
124		16	122		184.23	134487.00	202.59	147888.58	386.82	282375.58
125		32	244		366.93	267858.44	403.50	294553.94	770.43	562412.38
126	Postgre SQL compatible relational database	2	16		24.37	17786.99	28.31	20713.07	52.74	38500.06
127		4	30		47.20	34458.41	53.49	39046.24	100.69	73504.65
128		8	60		92.88	67801.27	103.72	75712.57	196.59	143513.85
129		16	122		184.23	134487.00	224.66	164447.80	449.31	328895.60
130		32	244		366.93	267858.44	405.08	295710.62	772.01	563569.06
131	64	488		897.86	657230.20	897.86	657230.20	1795.71	1314460.40	
132	Data Warehouse as a service	2	8		26.78	19599.30	26.78	19599.30	53.55	39198.60
133		4	16		101.15	74041.80	101.15	74041.80	202.30	148083.60
134		8	32		325.91	237917.40	331.70	242138.40	657.61	480055.80
135		16	64		651.83	475834.80	663.39	484278.20	1315.22	960113.00
136		40	160		2607.31	1903337.80	2653.58	1937112.80	5260.89	3840450.60
137		64	256		2607.31	1903337.80	2653.58	1937112.80	5260.89	3840450.60

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138		8	64		330.79	241476.20	337.04	246038.80	667.83	487515.00
139		16	122		661.57	482949.60	674.09	492083.20	1335.66	975032.80
140		32	244		570.35	417496.20	570.35	417496.20	1140.70	834992.40
141		64	488		2653.07	1936740.40	2669.89	1949019.80	5322.96	3885760.20
142		4	32		101.15	74041.80	101.15	74041.80	202.30	148083.60
143		8	64		330.79	241476.20	337.04	246040.20	667.83	487516.40
144		16	122		661.57	482949.60	674.09	492083.20	1335.66	975032.80
145		32	244		570.35	417496.20	570.35	417496.20	1140.70	834992.40
146		4	16		101.15	74041.80	101.15	74041.80	202.30	148083.60
147		8	32		325.91	237917.40	331.70	242138.40	657.61	480055.80
148		16	64		64.98	47434.80	663.39	484278.20	728.37	531713.00
149		48	192		2607.31	1903337.80	2653.58	1937114.20	5260.89	3840452.00
150		96	384		5462.16	3987373.60	5509.63	4022032.00	10971.79	8009405.60
151		8	60		330.79	241476.20	337.04	246038.80	667.83	487515.00
152		32	244		570.35	417496.20	570.35	417496.20	1140.70	834992.40
153		64	488		2653.07	1936740.40	2669.89	1949019.80	5322.96	3885760.20
154		4	30		101.15	74041.80	101.15	74041.80	202.30	148083.60
155		8	60		330.79	241476.20	337.04	246038.80	667.83	487515.00
156		16	122		661.57	482949.60	674.09	492083.20	1335.66	975032.80
157		32	244		570.35	417496.20	570.35	417496.20	1140.70	834992.40
158		64	488		2653.07	1936740.40	2669.89	1949019.80	5322.96	3885760.20
159		4	32		101.15	74041.80	101.15	74041.80	202.30	148083.60
160		8	64		330.79	241476.20	337.04	246040.20	667.83	487516.40
161		16	122		661.57	482949.60	674.09	492083.20	1335.66	975032.80
162		36	244		888.25	650199.00	888.25	650199.00	1776.50	1300398.00
163		4	8		101.15	74041.80	101.15	74041.80	202.30	148083.60
164		8	16		348.49	254395.40	359.68	262568.60	708.17	516964.00
165		16	32		696.97	508789.40	719.37	525137.20	1416.34	1033926.60
166		36	72		888.25	650199.00	888.25	650199.00	1776.50	1300398.00
167		72	144		6686.75	4881325.40	6856.73	5005415.80	13543.48	9886741.20
168		2	4		26.78	19599.30	26.78	19599.30	53.55	39198.60
169		4	8		101.15	74041.80	101.15	74041.80	202.30	148083.60
170		8	15		337.75	246559.60	337.75	246559.60	675.51	493119.20
171		16	30		701.04	511761.60	730.29	533108.80	1431.33	1044870.40
172		36	60		888.25	650199.00	888.25	650199.00	1776.50	1300398.00
	Middleware as a service	Core	RAM(GB)	Storage(GB)						
173	JBOSS	4	14	100GBSSD	36.58	26773.38	36.58	26773.38	36.58	26773.38
174		8	14	100GBHDD	68.58	49380.00	86.60	63391.68	86.60	63391.68

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175		2	4	100GBHDD	19.77	14469.63	19.77	14469.63	19.77	14469.63
176		16	112	800GBSSD	146.89	105760.00	241.18	176543.43	241.18	176543.43
177		4	14	100GBSSD	36.58	26773.38	36.58	26773.38	36.58	26773.38
178		16	112	224GBSSD	142.09	102304.00	232.21	169974.14	232.21	169974.14
179	WildFly	4	14	100GBSSD	11.74	8450.00	22.57	16520.26	22.57	16520.26
180		8	14	100GBHDD	15.69	11300.00	41.61	30457.22	41.61	30457.22
181		2	4	100GBHDD	8.96	6450.00	10.06	7365.68	10.06	7365.68
182		16	112	800GBSSD	41.11	29600.00	164.14	120151.25	164.14	120151.25
183		4	14	100GBSSD	11.74	8450.00	22.57	16520.26	22.57	16520.26
184		16	112	224GBSSD	36.31	26144.00	155.17	113581.96	155.17	113581.96
185	IBM WebSphere MQ 8.0	1	4	8GBSSD	170.81	106474.40	170.81	106474.40	170.81	125033.69
186		2	7	14GBSSD	176.31	109954.30	176.31	109954.30	176.31	129056.50
187		4	12	30GBSSD	346.64	216194.10	346.64	216194.10	346.64	253740.81
188		8	28	56GBSSD	694.22	432972.15	694.22	432972.15	694.22	508168.96
189		16	56	112GBSSD	2728.57	857854.85	2728.57	857854.85	2343.87	1715709.70
190	IBM WebSphere MQ 9.0	4	14	100GBSSD	348.73	216872.40	348.73	216872.40	348.73	255271.57
191		8	14	100GBHDD	694.90	432153.60	694.90	432153.60	694.90	508670.21
192		2	4	100GBHDD	172.64	107365.20	172.64	107365.20	172.64	126375.16
193		16	112	800GBSSD	1457.79	880449.72	1457.79	880449.72	1457.79	1067100.28
194		4	14	100GBSSD	348.75	216872.40	348.75	216872.40	348.75	255281.58
195		16	112	224GBSSD	1448.81	874868.62	1448.81	874868.62	1448.81	1060531.00

Minimum Requirement for All Database as a service components: The proposed solution should be in the form of software, should support managed Database Server with automatic OS & Server updates and management, should support high availability and elastic scaling capabilities based on demand without downtime, should support geo replication with up to four readable secondary databases, should support automatic performance monitoring, index management and tuning, should continuously monitor databases for potentially harmful attempts to access sensitive data such as suspicious database activities, potential vulnerabilities, and SQL injection attacks, and anomalous database access patterns. The proposed solution should support built-in auditing capabilities so as to understand database activity, discrepancies and anomalies, should support Data encryption at rest and in transit. The proposed solution should support dynamic data masking to limit sensitive data exposure by masking it to non-privileged users, should support row-level security to control access to rows in a database table based on the characteristics of the user executing a query, should support multi factor authentication, should support a built-in backup, monitoring functionality and alert based notification The proposed solution should support role based access control with different capabilities between operational and administrative roles, should support SLA of at least 99.99%

MS SQL Enterprise as a service: - Prices are from SQL DB Farm with over-provisioning ratio 1:8/Per month.

SECTION-B(2 Years)

SECTION-B DATABASE as a Service				DC-Public Cloud 2 year		DR-Public Cloud 2 year		DC+DR-Public Cloud 2 year		
Line Item #	Database Options	Core	RAM(GB)	Storage Type	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate
38	MS SQL Standard as a service	1	2		29.62	21624.74	31.08	22222.00	40.25	22222.00
39		2	4		43.40	22844.00	61.46	22844.00	43.40	22844.00
40		2	8		49.23	23296.00	61.46	23296.00	49.23	23296.00
41		4	16		60.24	24992.00	120.48	24992.00	60.24	24992.00
42		8	32		118.81	49984.00	231.77	49984.00	118.81	49984.00
43		16	64		293.89	99968.00	475.39	99968.00	293.89	99968.00
44		32	128		587.78	199936.00	972.81	199936.00	587.78	199936.00
45		40	160		1175.56	249920.00	1458.86	249920.00	1175.56	249920.00
46		64	256		1175.56	399872.00	1892.08	399872.00	1175.56	399872.00
47		4	30		116.53	26574.00	122.21	26574.00	146.95	26574.00
48		8	60		232.41	53148.00	231.77	53148.00	293.89	53148.00
49		16	122		464.17	106522.00	486.75	106522.00	587.78	106522.00
50		32	244		927.69	213044.00	972.81	213044.00	1175.56	213044.00
51		64	488		1435.87	426088.00	1956.00	426088.00	1435.87	426088.00
52		2	16		58.20	24200.00	61.46	24200.00	58.20	24200.00
53		4	30		79.39	26574.00	122.21	26574.00	79.39	26574.00
54		8	60		158.79	53148.00	231.77	53148.00	158.79	53148.00
55		16	122		317.58	106522.00	486.75	106522.00	317.58	106522.00
56		32	244		635.16	213044.00	927.04	213044.00	635.16	213044.00
57		MS SQL Enterprise as a service	1	2		29.62	21624.74	31.08	22222.00	60.70
58	2		4		58.59	22844.00	61.46	22844.00	120.05	22844.00
59	2		8		58.59	23296.00	61.46	23296.00	120.05	23296.00
60	4		16		116.53	24992.00	122.21	24992.00	175.26	24992.00
61	8		32		232.41	49984.00	231.77	49984.00	350.52	49984.00
62	4		16		116.53	24992.00	122.21	24992.00	175.26	24992.00
63	8		32		232.41	49984.00	231.77	49984.00	350.52	49984.00
64	16		64		464.17	99968.00	486.75	99968.00	701.04	99968.00
65	40		160		1391.21	249920.00	1458.86	249920.00	2804.17	249920.00
66	64		256		2318.24	399872.00	2430.97	399872.00	2804.17	399872.00

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67		4	32		116.53	26800.00	122.21	26800.00	238.75	26800.00
68		8	64		232.41	53600.00	231.77	53600.00	375.51	53600.00
69		16	128		464.17	107200.00	486.75	107200.00	950.93	107200.00
70		32	244		927.69	213044.00	972.81	213044.00	1900.50	213044.00
71		64	488		2318.24	426088.00	2430.97	426088.00	3064.48	426088.00
72		2	16		58.59	24200.00	61.46	24200.00	120.05	24200.00
73		4	30		116.53	26574.00	122.21	26574.00	181.18	26574.00
74		8	60		232.41	53148.00	231.77	53148.00	362.37	53148.00
75		16	122		464.17	106522.00	486.75	106522.00	724.73	106522.00
76		32	244		927.04	213044.00	927.04	213044.00	1449.46	213044.00
77	Postgre Enterprise as a service	1	2		6.05	4415.75	8.21	5996.80	14.26	10412.56
78		2	4		9.32	6818.70	9.32	6818.70	18.63	13637.40
79		2	8		22.15	16213.75	22.15	16213.75	44.30	32427.50
80		2	16		24.37	17786.99	24.53	17955.40	49.06	35910.80
81		4	16		43.99	32203.95	43.99	32203.95	87.99	64407.90
82		4	32		47.20	34458.41	48.75	35688.10	97.51	71376.20
83		8	32		87.77	64247.25	87.77	64247.25	175.54	128494.50
84		16	64		175.40	128395.90	175.40	128395.90	350.81	256791.80
85		40	160		0.00	320718.60	438.14	320718.60	876.28	641437.20
86		64	256		0.00	512915.50	700.70	512915.50	1401.41	1025831.00
87		4	30		47.20	34458.41	48.75	35688.10	97.51	71376.20
88		8	60		92.88	67801.27	97.20	71153.50	194.41	142307.00
89		16	122		184.23	134487.00	194.10	142084.30	388.21	284168.60
90		32	244		366.93	267858.44	387.90	283945.90	772.01	563569.06
91		64	488		0.00	567669.10	775.50	567669.10	1551.01	1135338.20
92		8	60		92.88	67801.27	97.20	71153.50	194.41	142307.00
93		16	122		184.23	134487.00	194.10	142084.30	388.21	284168.60
94		32	244		366.93	267858.44	387.90	283945.90	772.01	563569.06
95	Oracle Standard as a service	1	1		3.53	2587.40	3.53	2587.40	7.07	5174.80
96		1	2		6.42	4703.05	6.42	4703.05	12.85	9406.10
97		2	4		12.54	9182.55	12.54	9182.55	25.09	18365.10
98		2	8		43.91	32141.90	43.91	32141.90	87.82	64283.80
99		4	16		87.60	64123.15	87.60	64123.15	175.20	128246.30
100		8	32		174.98	128084.80	174.98	128084.80	349.96	256169.60
101		2	8		43.91	32141.90	43.91	32141.90	87.82	64283.80
102		4	16		87.60	64123.15	87.60	64123.15	175.20	128246.30
103		8	32		174.98	128084.80	174.98	128084.80	349.96	256169.60
104		16	64		349.06	255511.70	349.06	255511.70	698.12	511023.40
105		2	16		45.18	33075.20	45.18	33075.20	90.37	66150.40

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106		4	32		90.07	65927.70	90.07	65927.70	180.13	131855.40
107		8	64		179.82	131631.85	179.82	131631.85	359.65	263263.70
108		16	122		359.34	263040.15	359.34	263040.15	718.69	526080.30
109		2	16		45.18	33075.20	45.18	33075.20	90.37	66150.40
110		4	32		90.07	65927.70	90.07	65927.70	180.13	131855.40
111		8	64		179.82	131631.85	179.82	131631.85	0.00	0.00
112		16	124		359.34	263040.15	359.34	263040.15	718.69	526080.30
113	MySQL compatible relational database	1	2		5.27	3858.15	5.27	3858.15	10.54	7716.30
114		2	4		10.29	7529.30	10.29	7529.30	20.57	15058.60
115		2	16		24.37	17786.99	26.79	19556.39	51.16	37343.38
116		4	32		56.36	41252.20	51.90	37889.56	112.71	82504.40
117		8	64		92.88	67801.27	102.13	74555.89	195.01	142357.17
118		16	122		184.23	134487.00	202.59	147888.58	386.82	282375.58
119		32	244		366.93	267858.44	403.50	294553.94	770.43	562412.38
120		64	488		897.86	657230.20	897.86	657230.20	1795.71	1314460.40
121		2	16		24.37	17786.99	26.79	19556.39	51.16	37343.38
122		4	32		56.36	41252.20	51.90	37889.56	112.71	82504.40
123		8	64		92.88	67801.27	102.13	74555.89	195.01	142357.17
124		16	122		184.23	134487.00	202.59	147888.58	386.82	282375.58
125		32	244		366.93	267858.44	403.50	294553.94	770.43	562412.38
126		Postgre SQL compatible relational database	2	16		24.37	17786.99	28.31	20713.07	52.74
127	4		30		47.20	34458.41	53.49	39046.24	100.69	73504.65
128	8		60		92.88	67801.27	103.72	75712.57	196.59	143513.85
129	16		122		184.23	134487.00	224.66	164447.80	449.31	328895.60
130	32		244		366.93	267858.44	405.08	295710.62	772.01	563569.06
131	64		488		897.86	657230.20	897.86	657230.20	1795.71	1314460.40
132	Data Warehouse as a service	2	8		26.78	19599.30	26.78	19599.30	53.55	39198.60
133		4	16		101.15	74041.80	101.15	74041.80	202.30	148083.60
134		8	32		325.91	237917.40	331.70	242138.40	657.61	480055.80
135		16	64		651.83	475834.80	663.39	484278.20	1315.22	960113.00
136		40	160		2607.31	1903337.80	2653.58	1937112.80	5260.89	3840450.60
137		64	256		2607.31	1903337.80	2653.58	1937112.80	5260.89	3840450.60
138		8	64		330.79	241476.20	337.04	246038.80	667.83	487515.00
139		16	122		661.57	482949.60	674.09	492083.20	1335.66	975032.80
140		32	244		570.35	417496.20	570.35	417496.20	1140.70	834992.40
141		64	488		2653.07	1936740.40	2669.89	1949019.80	5322.96	3885760.20
142		4	32		101.15	74041.80	101.15	74041.80	202.30	148083.60
143		8	64		330.79	241476.20	337.04	246040.20	667.83	487516.40
144	16	122		661.57	482949.60	674.09	492083.20	1335.66	975032.80	

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145		32	244		570.35	417496.20	570.35	417496.20	1140.70	834992.40
146		4	16		101.15	74041.80	101.15	74041.80	202.30	148083.60
147		8	32		325.91	237917.40	331.70	242138.40	657.61	480055.80
148		16	64		64.98	47434.80	663.39	484278.20	728.37	531713.00
149		48	192		2607.31	1903337.80	2653.58	1937114.20	5260.89	3840452.00
150		96	384		5462.16	3987373.60	5509.63	4022032.00	10971.79	8009405.60
151		8	60		330.79	241476.20	337.04	246038.80	667.83	487515.00
152		32	244		570.35	417496.20	570.35	417496.20	1140.70	834992.40
153		64	488		2653.07	1936740.40	2669.89	1949019.80	5322.96	3885760.20
154		4	30		101.15	74041.80	101.15	74041.80	202.30	148083.60
155		8	60		330.79	241476.20	337.04	246038.80	667.83	487515.00
156		16	122		661.57	482949.60	674.09	492083.20	1335.66	975032.80
157		32	244		570.35	417496.20	570.35	417496.20	1140.70	834992.40
158		64	488		2653.07	1936740.40	2669.89	1949019.80	5322.96	3885760.20
159		4	32		101.15	74041.80	101.15	74041.80	202.30	148083.60
160		8	64		330.79	241476.20	337.04	246040.20	667.83	487516.40
161		16	122		661.57	482949.60	674.09	492083.20	1335.66	975032.80
162		36	244		888.25	650199.00	888.25	650199.00	1776.50	1300398.00
163		4	8		101.15	74041.80	101.15	74041.80	202.30	148083.60
164		8	16		348.49	254395.40	359.68	262568.60	708.17	516964.00
165		16	32		696.97	508789.40	719.37	525137.20	1416.34	1033926.60
166		36	72		888.25	650199.00	888.25	650199.00	1776.50	1300398.00
167		72	144		6686.75	4881325.40	6856.73	5005415.80	13543.48	9886741.20
168		2	4		26.78	19599.30	26.78	19599.30	53.55	39198.60
169		4	8		101.15	74041.80	101.15	74041.80	202.30	148083.60
170		8	15		337.75	246559.60	337.75	246559.60	675.51	493119.20
171		16	30		701.04	511761.60	730.29	533108.80	1431.33	1044870.40
172		36	60		888.25	650199.00	888.25	650199.00	1776.50	1300398.00
	Middleware as a service	Core	RAM(GB)	Storage(GB)						
173	JBOSS	4	14	100GBSSD	36.58	26773.38	36.58	26773.38	36.58	26773.38
174		8	14	100GBHDD	68.58	49380.00	86.60	63391.68	86.60	63391.68
175		2	4	100GBHDD	19.77	14469.63	19.77	14469.63	19.77	14469.63
176		16	112	800GBSSD	146.89	105760.00	241.18	176543.43	241.18	176543.43
177		4	14	100GBSSD	36.58	26773.38	36.58	26773.38	36.58	26773.38
178		16	112	224GBSSD	142.09	102304.00	232.21	169974.14	232.21	169974.14
179	WildFly	4	14	100GBSSD	11.74	8450.00	22.57	16520.26	22.57	16520.26
180		8	14	100GBHDD	15.69	11300.00	41.61	30457.22	41.61	30457.22
181		2	4	100GBHDD	8.96	6450.00	10.06	7365.68	10.06	7365.68

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182		16	112	800GBSSD	41.11	29600.00	164.14	120151.25	164.14	120151.25
183		4	14	100GBSSD	11.74	8450.00	22.57	16520.26	22.57	16520.26
184		16	112	224GBSSD	36.31	26144.00	155.17	113581.96	155.17	113581.96
185	IBM WebSphere MQ 8.0	1	4	8GBSSD	170.81	106474.40	170.81	106474.40	170.81	125033.69
186		2	7	14GBSSD	176.31	109954.30	176.31	109954.30	176.31	129056.50
187		4	12	30GBSSD	346.64	216194.10	346.64	216194.10	346.64	253740.81
188		8	28	56GBSSD	694.22	432972.15	694.22	432972.15	694.22	508168.96
189		16	56	112GBSSD	2728.57	857854.85	2728.57	857854.85	2343.87	1715709.70
190		IBM WebSphere MQ 9.0	4	14	100GBSSD	348.73	216872.40	348.73	216872.40	348.73
191	8		14	100GBHDD	694.90	432153.60	694.90	432153.60	694.90	508670.21
192	2		4	100GBHDD	172.64	107365.20	172.64	107365.20	172.64	126375.16
193	16		112	800GBSSD	1457.79	880449.72	1457.79	880449.72	1457.79	1067100.28
194	4		14	100GBSSD	348.75	216872.40	348.75	216872.40	348.75	255281.58
195	16		112	224GBSSD	1448.81	874868.62	1448.81	874868.62	1448.81	1060531.00

Minimum Requirement for All Database as a service components: The proposed solution should be in the form of software, should support managed Database Server with automatic OS & Server updates and management, should support high availability and elastic scaling capabilities based on demand without downtime, should support geo replication with up to four readable secondary databases, should support automatic performance monitoring, index management and tuning, should continuously monitor databases for potentially harmful attempts to access sensitive data such as suspicious database activities, potential vulnerabilities, and SQL injection attacks, and anomalous database access patterns. The proposed solution should support built-in auditing capabilities so as to understand database activity, discrepancies and anomalies, should support Data encryption at rest and in transit. The proposed solution should support dynamic data masking to limit sensitive data exposure by masking it to non-privileged users, should support row-level security to control access to rows in a database table based on the characteristics of the user executing a query, should support multi factor authentication, should support a built-in backup, monitoring functionality and alert based notification The proposed solution should support role based access control with different capabilities between operational and administrative roles, should support SLA of at least 99.99% .

MS SQL Enterprise as a service: - Prices are from SQL DB Farm with over-provisioning ratio 1:8/Per month.

SECTION-C(1 Year)

For Specifications of the below services refer specification table-9

Line Item #	SECTION-C ADDITIONAL SERVICES	DC-Public Cloud 1 year		DR-Public Cloud 1 year	DC+DR-Public Cloud 1 year
		Hourly Rates	MONTHLY rate	MONTHLY rate	MONTHLY rate
196	Data warehouse as a service or equivalent	173.85	126911.22	125660.43	252571.65
197	Access control as a service or equivalent	85.00	71500.00	71500.00	143000.00
198	Simple Notification Service or equivalent	1.27	925.40	925.40	1850.80
199	Managed Message Queuing Service or equivalent	85.00	63854.53	63854.53	127709.06
200	Cloud HSM or equivalent	97.35	49583.33	49583.33	99166.67
201	Big data processing as a service	435.03	313200.00	313200.00	626400.00
202	Cache management as a service or equivalent	66.81	48771.37	48771.37	97542.74
203	Elastic Search or equivalent	31.09	22698.62	22698.62	45397.24

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204	Data Streams or equivalent		5.00	8173.96	8173.96	16347.92
205	Simple Workflow Service or equivalent		10.00	33275.49	33275.49	66550.98
206	Cloud Formation or equivalent		9.59	7000.00	7000.00	14000.00
207	Cloud AUDIT Trail or equivalent		178.50	15567.43	15567.43	31134.85
208	Device based Data migration services		425.00	22218.00	22218.00	44436.00
209	Storage Gateway or equivalent		14500.00	12750.00	12750.00	25500.00
210	Web App Hosting as a Service		40.72	11900.00	11900.00	23800.00
211	API as a service		297.50	63544.63	63544.63	127089.26
212	Enterprise Mailing Solution as a service		3000.00	800.00	800.00	1600.00
213	Enterprise Open source Mailing Solution as a service		2400.00	800.00	800.00	1600.00
214	Instant Messaging and Online Meetings		1400.00	400.00	400.00	800.00
215	Online File Storage and Collaboration (Co-Authoring) solution		NA	595.00	595.00	1190.00
216	Cloud based Enterprise Office Productivity suit		NA	795.00	795.00	1590.00
217	Cloud based open source Office Productivity suit		NA	NA	NA	NA
218	SAP Basis support - cover 24x7 support via ticket, chat & email		450.00	3300.00	3300.00	6600.00
219	SAP Basis support - cover 24x7 support via ticket, chat & email		600.00	3300.00	3300.00	6600.00
220	Dual Factor Authentication (Per User)		42.50	1083.33	1083.33	2166.67
221	Dual Factor Authentication Per 5000 Users	NA		21250.00	21250.00	42500.00
222	Dual Factor Authentication Per 50000 Users	NA		170000.00	170000.00	340000.00
223	Triple/Multi Factor Authentication (Per User)	NA		NA	NA	NA
224	Triple/Multi Factor Authentication Per 5000 Users	NA		NA	NA	NA
225	Triple/Multi Factor Authentication Per 50000 Users	NA		NA	NA	NA
226	Business Intelligence tools as a Service (BlaaS) using MS SQL server	NA		NA	NA	NA
227	Pack 1-Small	NA		9350.00	9350.00	18700.00
228	Pack 2 Medium	NA		9350.00	9350.00	18700.00
229	Pack-3 Large	NA		72250.00	72250.00	144500.00
230	Add-on components for BlaaS	NA		30000.00	30000.00	60000.00
231	Additional Report	NA		200000.00	200000.00	400000.00
232	Additional Users	NA		400.00	400.00	800.00
233	Load Balancer as a Service (for each device)		8.24	6013.84	6013.84	12027.68
234	Interoperability as a service		42500.00	-	-	-
	NA---Not Available(rates)					

SECTION-C(2 Year)

Line Item #	SECTION-C ADDITIONAL SERVICES	DC-Public Cloud 2 year		DR-Public Cloud 2 year	DC+DR-Public Cloud 2 year
		Hourly Rates	MONTHLY rate	MONTHLY rate	MONTHLY rate
196	Data warehouse as a service or equivalent	173.85	126911.22	125660.43	252571.65
197	Access control as a service or equivalent	85.00	71500.00	71500.00	143000.00
198	Simple Notification Service or equivalent	1.27	925.40	925.40	1850.80
199	Managed Message Queuing Service or equivalent	85.00	63854.53	63854.53	127709.06
200	Cloud HSM or equivalent	97.35	49583.33	49583.33	99166.67
201	Big data processing as a service	435.03	313200.00	313200.00	626400.00
202	Cache management as a service or equivalent	66.81	48771.37	48771.37	97542.74
203	Elastic Search or equivalent	31.09	22698.62	22698.62	45397.24
204	Data Streams or equivalent	5.00	8173.96	8173.96	16347.92
205	Simple Workflow Service or equivalent	10.00	33275.49	33275.49	66550.98
206	Cloud Formation or equivalent	9.59	7000.00	7000.00	14000.00
207	Cloud AUDIT Trail or equivalent	178.50	15567.43	15567.43	31134.85
208	Device based Data migration services	425.00	22218.00	22218.00	44436.00
209	Storage Gateway or equivalent	14500.00	12750.00	12750.00	25500.00
210	Web App Hosting as a Service	40.72	11900.00	11900.00	23800.00
211	API as a service	297.50	63544.63	63544.63	127089.26
212	Enterprise Mailing Solution as a service	3000.00	800.00	800.00	1600.00
213	Enterprise Open source Mailing Solution as a service	2400.00	800.00	800.00	1600.00
214	Instant Messaging and Online Meetings	1400.00	400.00	400.00	800.00
215	Online File Storage and Collaboration (Co-Authoring) solution	NA	595.00	595.00	1190.00
216	Cloud based Enterprise Office Productivity suit	NA	795.00	795.00	1590.00
217	Cloud based open source Office Productivity suit	NA	NA	NA	NA
218	SAP Basis support - cover 24x7 support via ticket, chat & email	450.00	3300.00	3300.00	6600.00
219	SAP Basis support - cover 24x7 support via ticket, chat & email	600.00	3300.00	3300.00	6600.00
220	Dual Factor Authentication (Per User)	42.50	1083.33	1083.33	2166.67
221	Dual Factor Authentication Per 5000 Users	NA	21250.00	21250.00	42500.00
222	Dual Factor Authentication Per 50000 Users	NA	170000.00	170000.00	340000.00
223	Triple/Multi Factor Authentication (Per User)	NA	NA	NA	NA
224	Triple/Multi Factor Authentication Per 5000 Users	NA	NA	NA	NA
225	Triple/Multi Factor Authentication Per 50000 Users	NA	NA	NA	NA
226	Business Intelligence tools as a Service (BlaaS) using MS SQL server	NA	NA	NA	NA
227	Pack 1-Small	NA	9350.00	9350.00	18700.00

228	Pack 2 Medium	NA	9350.00	9350.00	18700.00
229	Pack-3 Large	NA	72250.00	72250.00	144500.00
230	Add-on components for BaaS	NA	30000.00	30000.00	60000.00
231	Additional Report	NA	200000.00	200000.00	400000.00
232	Additional Users	NA	400.00	400.00	800.00
233	Load Balancer as a Service (for each device)	8.24	6013.84	6013.84	12027.68
234	Interoperability as a service	42500.00	-	-	-
	NA---Not Available(rates)				

Virtual Private Cloud

SECTION-A VPC (1 Year)

SECTION-A Virtual Server		
Service Type	Feature	Included
Networking	Network Segment- VLAN	Up to 5 Vm-1 network segment
		5 to 10 Vm-2 network Segments
		10-15 Vm-3 Network Segments
		15-20 Vm-4 network segments
	Networking - Load Balancing- Active Active	Included
	Networking - Switching & Routing	Included
	Managed Firewall(WAF), Non std encoding, session mgmt.	Included
Administration	One Sub Admin Account	Included
Operating System options	RedHat Enterprise Linux 7 or above	Included
	CentOS operating System	
	Ubuntu Operating System	

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					SUSE Linux operating system							
					Microsoft Windows Server 2012							
					Public IP			1 network segment-1				
								2 network Segments-2				
								3 network Segments- 3				
								4 network Segments- 4				
Security					SSL (DV+OV)			1		included		
					IAM + console			1		included		
Backup					100 GB per VM			1		included		
					DC-VPC 1 year			DR-VPC 1 year		DC+DR-VPC 1 year		
Line Item #	VM	cpu	RAM	Storage (GB)	HOURLY rate	MONTHLY	HOURLY rate	MONTHLY	HOURLY rate	MONTHLY		
						rate		rate		rate		
1	Pack 21	2	16	100	14.23	5122.00	14.23	5122.00	28.46	10244.00		
2	Pack 22	4	16	250	16.94	6100.00	16.94	6100.00	33.89	12200.00		
3	Pack 23	4	24	300	22.04	7934.00	22.04	7934.00	44.08	15868.00		
4	Pack 24	4	32	300	24.48	8814.00	24.48	8814.00	48.97	17628.00		
5	Pack 25	4	60	300	33.04	11894.00	33.04	11894.00	66.08	23788.00		
6	Pack 26	6	32	450	29.06	10461.00	29.06	10461.00	58.12	20922.00		
7	Pack 27	6	48	450	33.95	12221.00	33.95	12221.00	67.89	24442.00		
8	Pack 28	6	64	450	38.84	13981.00	38.84	13981.00	77.67	27962.00		
9	Pack 29	8	16	450	26.37	9493.00	26.37	9493.00	52.74	18986.00		
10	Pack 30	8	32	450	31.26	11253.00	31.26	11253.00	62.52	22506.00		
11	Pack 31	8	60	450	39.81	14333.00	39.81	14333.00	79.63	28666.00		
12	Pack 32	8	64	600	43.41	15628.00	43.41	15628.00	86.82	31256.00		
13	Pack 33	16	32	650	42.36	15250.00	42.36	15250.00	84.72	30500.00		

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14	Pack 34	16	64	950	57.75	20791.00	57.75	20791.00	115.51	41582.00
15	Pack 35	16	128	950	77.31	27831.00	77.31	27831.00	154.62	55662.00
16	Pack 36	32	244	800	127.98	46072.00	127.98	46072.00	255.96	92144.00
17	Pack 37	32	488	800	202.53	72912.00	202.53	72912.00	405.07	145824.00
18	Pack 38	36	60	800	76.16	27416.00	76.16	27416.00	152.31	54832.00
19	Pack 39	36	244	800	132.38	47656.00	132.38	47656.00	264.76	95312.00
20	Pack 40	40	160	850	111.90	40285.00	111.90	40285.00	223.81	80570.00
21	Pack 41	48	192	850	130.48	46973.00	130.48	46973.00	260.96	93946.00
22	Pack 42	48	192	850	130.48	46973.00	130.48	46973.00	260.96	93946.00
23	Pack 43	64	256	850	167.64	60349.00	167.64	60349.00	335.27	120698.00
24	Pack 44	64	488	950	240.11	86439.00	240.11	86439.00	480.22	172878.00
25	Pack 45	64	732	950	314.66	113279.00	314.66	113279.00	629.33	226558.00
26	Pack 46	64	976	950	389.22	140119.00	389.22	140119.00	778.44	280238.00
27	Pack 47	72	144	950	143.80	51767.00	143.80	51767.00	287.59	103534.00
28	Pack 48	96	384	950	243.53	87671.00	243.53	87671.00	487.06	175342.00
29	Pack 49	128	1952	950	757.84	272823.00	757.84	272823.00	1515.68	545646.00
30	Bandwidth-Plan 1- upto 100 GB				-	754.00	-	754.00	-	754.00
31	Bandwidth-Plan 2- upto 500 GB				-	3500.00	-	3500.00	-	3500.00
32	Bandwidth-Plan 3- upto 1000 GB				-	7000.00	-	7000.00	-	7000.00
33	Additional data transfer tariff per GB				-	8.00	-	8.00	-	8.00
34	Internet bandwidth (Unlimited data)			2mbps	-	1508.00	-	1508.00	-	1508.00
35				4mbps	-	3016.00	-	3016.00	-	3016.00
36				10mbps	-	7540.00	-	7540.00	-	7540.00
37				20mbps	-	15080.00	-	15080.00	-	15080.00

SECTION-A VPC(2 Years)

SECTION-A Virtual Server											
Service Type				Feature				Included			
Networking				Network Segment- VLAN				Up to 5 Vm-1 network segment			
								5 to 10 Vm-2 network Segments			
								10-15 Vm-3 Network Segments			
								15-20 Vm-4 network segments			
				Networking - Load Balancing- Active Active				Included			
				Networking - Switching & Routing				Included			
				Managed Firewall(WAF), Non std encoding, session mgmt.				Included			
Administration				One Sub Admin Account				Included			
Operating System options				RedHat Enterprise Linux 7 or above				Included			
				CentOS operating System							
				Ubuntu Operating System							
				SUSE Linux operating system							
				Microsoft Windows Server 2012							
				Public IP				1 network segment-1			
								2 network Segments-2			
								3 network Segments- 3			
								4 network Segments- 4			
Security				SSL (DV+OV)				1	included		
				IAM + console				1	included		
Backup				100 GB per VM				1	included		
				DC-VPC 2 year				DR-VPC 2 year		DC+DR-VPC 2 year	
Line Item #	VM	cpu	RAM	Storage (GB)	HOURLY rate	MONTHLY	HOURLY rate	MONTHLY	HOURLY rate	MONTHLY	
						rate		rate		rate	

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1	Pack 21	2	16	100	14.23	5122.00	14.23	5122.00	28.46	10244.00
2	Pack 22	4	16	250	16.94	6100.00	16.94	6100.00	33.89	12200.00
3	Pack 23	4	24	300	22.04	7934.00	22.04	7934.00	44.08	15868.00
4	Pack 24	4	32	300	24.48	8814.00	24.48	8814.00	48.97	17628.00
5	Pack 25	4	60	300	33.04	11894.00	33.04	11894.00	66.08	23788.00
6	Pack 26	6	32	450	29.06	10461.00	29.06	10461.00	58.12	20922.00
7	Pack 27	6	48	450	33.95	12221.00	33.95	12221.00	67.89	24442.00
8	Pack 28	6	64	450	38.84	13981.00	38.84	13981.00	77.67	27962.00
9	Pack 29	8	16	450	26.37	9493.00	26.37	9493.00	52.74	18986.00
10	Pack 30	8	32	450	31.26	11253.00	31.26	11253.00	62.52	22506.00
11	Pack 31	8	60	450	39.81	14333.00	39.81	14333.00	79.63	28666.00
12	Pack 32	8	64	600	43.41	15628.00	43.41	15628.00	86.82	31256.00
13	Pack 33	16	32	650	42.36	15250.00	42.36	15250.00	84.72	30500.00
14	Pack 34	16	64	950	57.75	20791.00	57.75	20791.00	115.51	41582.00
15	Pack 35	16	128	950	77.31	27831.00	77.31	27831.00	154.62	55662.00
16	Pack 36	32	244	800	127.98	46072.00	127.98	46072.00	255.96	92144.00
17	Pack 37	32	488	800	202.53	72912.00	202.53	72912.00	405.07	145824.00
18	Pack 38	36	60	800	76.16	27416.00	76.16	27416.00	152.31	54832.00
19	Pack 39	36	244	800	132.38	47656.00	132.38	47656.00	264.76	95312.00
20	Pack 40	40	160	850	111.90	40285.00	111.90	40285.00	223.81	80570.00
21	Pack 41	48	192	850	130.48	46973.00	130.48	46973.00	260.96	93946.00
22	Pack 42	48	192	850	130.48	46973.00	130.48	46973.00	260.96	93946.00
23	Pack 43	64	256	850	167.64	60349.00	167.64	60349.00	335.27	120698.00

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24	Pack 44	64	488	950	240.11	86439.00	240.11	86439.00	480.22	172878.00
25	Pack 45	64	732	950	314.66	113279.00	314.66	113279.00	629.33	226558.00
26	Pack 46	64	976	950	389.22	140119.00	389.22	140119.00	778.44	280238.00
27	Pack 47	72	144	950	143.80	51767.00	143.80	51767.00	287.59	103534.00
28	Pack 48	96	384	950	243.53	87671.00	243.53	87671.00	487.06	175342.00
29	Pack 49	128	1952	950	757.84	272823.00	757.84	272823.00	1515.68	545646.00
30	Bandwidth-Plan 1- upto 100 GB				-	754.00	-	754.00	-	754.00
31	Bandwidth-Plan 2- upto 500 GB				-	3500.00	-	3500.00	-	3500.00
32	Bandwidth-Plan 3- upto 1000 GB				-	7000.00	-	7000.00	-	7000.00
33	Additional data transfer tariff per GB				-	8.00	-	8.00	-	8.00
34	Internet bandwidth (Unlimited data)			2mbps	-	1508.00	-	1508.00	-	1508.00
35				4mbps	-	3016.00	-	3016.00	-	3016.00
36				10mbps	-	7540.00	-	7540.00	-	7540.00
37				20mbps	-	15080.00	-	15080.00	-	15080.00

SECTION-B VPC(1 year)

SECTION-B DATABASE as a Service					DC-Public Cloud 1 year		DR-Public Cloud 1 year		DC+DR-Public Cloud 1 year	
Line Item #	Database Options	Core	RAM(GB)	Storage Type	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate
38	MS SQL Standard as a service	1	2		29.62	21624.74	31.08	22222.00	40.25	22222.00
39		2	4		43.40	22844.00	61.46	22844.00	43.40	22844.00
40		2	8		49.23	23296.00	61.46	23296.00	49.23	23296.00
41		4	16		60.24	24992.00	120.48	24992.00	60.24	24992.00
42		8	32		118.81	49984.00	231.77	49984.00	118.81	49984.00
43		16	64		293.89	99968.00	475.39	99968.00	293.89	99968.00
44		32	128		587.78	199936.00	972.81	199936.00	587.78	199936.00
45		40	160		1175.56	249920.00	1458.86	249920.00	1175.56	249920.00

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46		64	256		1175.56	399872.00	1892.08	399872.00	1175.56	399872.00
47		4	30		116.53	26574.00	122.21	26574.00	146.95	26574.00
48		8	60		232.41	53148.00	231.77	53148.00	293.89	53148.00
49		16	122		464.17	106522.00	486.75	106522.00	587.78	106522.00
50		32	244		927.69	213044.00	972.81	213044.00	1175.56	213044.00
51		64	488		1435.87	426088.00	1956.00	426088.00	1435.87	426088.00
52		2	16		58.20	24200.00	61.46	24200.00	58.20	24200.00
53		4	30		79.39	26574.00	122.21	26574.00	79.39	26574.00
54		8	60		158.79	53148.00	231.77	53148.00	158.79	53148.00
55		16	122		317.58	106522.00	486.75	106522.00	317.58	106522.00
56		32	244		635.16	213044.00	927.04	213044.00	635.16	213044.00
57	MS SQL Enterprise as a service	1	2		29.62	21624.74	31.08	22222.00	60.70	22222.00
58		2	4		58.59	22844.00	61.46	22844.00	120.05	22844.00
59		2	8		58.59	23296.00	61.46	23296.00	120.05	23296.00
60		4	16		116.53	24992.00	122.21	24992.00	175.26	24992.00
61		8	32		232.41	49984.00	231.77	49984.00	350.52	49984.00
62		4	16		116.53	24992.00	122.21	24992.00	175.26	24992.00
63		8	32		232.41	49984.00	231.77	49984.00	350.52	49984.00
64		16	64		464.17	99968.00	486.75	99968.00	701.04	99968.00
65		40	160		1391.21	249920.00	1458.86	249920.00	2804.17	249920.00
66		64	256		2318.24	399872.00	2430.97	399872.00	2804.17	399872.00
67		4	32		116.53	26800.00	122.21	26800.00	238.75	26800.00
68		8	64		232.41	53600.00	231.77	53600.00	375.51	53600.00
69		16	128		464.17	107200.00	486.75	107200.00	950.93	107200.00
70		32	244		927.69	213044.00	972.81	213044.00	1900.50	213044.00
71		64	488		2318.24	426088.00	2430.97	426088.00	3064.48	426088.00
72		2	16		58.59	24200.00	61.46	24200.00	120.05	24200.00
73		4	30		116.53	26574.00	122.21	26574.00	181.18	26574.00
74		8	60		232.41	53148.00	231.77	53148.00	362.37	53148.00
75		16	122		464.17	106522.00	486.75	106522.00	724.73	106522.00
76		32	244		927.04	213044.00	927.04	213044.00	1449.46	213044.00
77	Postgre Enterprise as a service	1	2		6.05	4415.75	8.21	5996.80	14.26	10412.56
78		2	4		9.32	6818.70	9.32	6818.70	18.63	13637.40
79		2	8		22.15	16213.75	22.15	16213.75	44.30	32427.50
80		2	16		24.37	17786.99	24.53	17955.40	49.06	35910.80
81		4	16		43.99	32203.95	43.99	32203.95	87.99	64407.90
82		4	32		47.20	34458.41	48.75	35688.10	97.51	71376.20
83		8	32		87.77	64247.25	87.77	64247.25	175.54	128494.50
84		16	64		175.40	128395.90	175.40	128395.90	350.81	256791.80

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85		40	160		0.00	320718.60	438.14	320718.60	876.28	641437.20
86		64	256		0.00	512915.50	700.70	512915.50	1401.41	1025831.00
87		4	30		47.20	34458.41	48.75	35688.10	97.51	71376.20
88		8	60		92.88	67801.27	97.20	71153.50	194.41	142307.00
89		16	122		184.23	134487.00	194.10	142084.30	388.21	284168.60
90		32	244		366.93	267858.44	387.90	283945.90	772.01	563569.06
91		64	488		0.00	567669.10	775.50	567669.10	1551.01	1135338.20
92		8	60		92.88	67801.27	97.20	71153.50	194.41	142307.00
93		16	122		184.23	134487.00	194.10	142084.30	388.21	284168.60
94		32	244		366.93	267858.44	387.90	283945.90	772.01	563569.06
95	Oracle Standard as a service	1	1		3.53	2587.40	3.53	2587.40	7.07	5174.80
96		1	2		6.42	4703.05	6.42	4703.05	12.85	9406.10
97		2	4		12.54	9182.55	12.54	9182.55	25.09	18365.10
98		2	8		43.91	32141.90	43.91	32141.90	87.82	64283.80
99		4	16		87.60	64123.15	87.60	64123.15	175.20	128246.30
100		8	32		174.98	128084.80	174.98	128084.80	349.96	256169.60
101		2	8		43.91	32141.90	43.91	32141.90	87.82	64283.80
102		4	16		87.60	64123.15	87.60	64123.15	175.20	128246.30
103		8	32		174.98	128084.80	174.98	128084.80	349.96	256169.60
104		16	64		349.06	255511.70	349.06	255511.70	698.12	511023.40
105		2	16		45.18	33075.20	45.18	33075.20	90.37	66150.40
106		4	32		90.07	65927.70	90.07	65927.70	180.13	131855.40
107		8	64		179.82	131631.85	179.82	131631.85	359.65	263263.70
108		16	122		359.34	263040.15	359.34	263040.15	718.69	526080.30
109		2	16		45.18	33075.20	45.18	33075.20	90.37	66150.40
110		4	32		90.07	65927.70	90.07	65927.70	180.13	131855.40
111		8	64		179.82	131631.85	179.82	131631.85	0.00	0.00
112		16	124		359.34	263040.15	359.34	263040.15	718.69	526080.30
113	MySQL compatible relational database	1	2		5.27	3858.15	5.27	3858.15	10.54	7716.30
114		2	4		10.29	7529.30	10.29	7529.30	20.57	15058.60
115		2	16		24.37	17786.99	26.79	19556.39	51.16	37343.38
116		4	32		56.36	41252.20	51.90	37889.56	112.71	82504.40
117		8	64		92.88	67801.27	102.13	74555.89	195.01	142357.17
118		16	122		184.23	134487.00	202.59	147888.58	386.82	282375.58
119		32	244		366.93	267858.44	403.50	294553.94	770.43	562412.38
120		64	488		897.86	657230.20	897.86	657230.20	1795.71	1314460.40
121		2	16		24.37	17786.99	26.79	19556.39	51.16	37343.38
122		4	32		56.36	41252.20	51.90	37889.56	112.71	82504.40
123		8	64		92.88	67801.27	102.13	74555.89	195.01	142357.17

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124		16	122		184.23	134487.00	202.59	147888.58	386.82	282375.58
125		32	244		366.93	267858.44	403.50	294553.94	770.43	562412.38
126	Postgre SQL compatible relational database	2	16		24.37	17786.99	28.31	20713.07	52.74	38500.06
127		4	30		47.20	34458.41	53.49	39046.24	100.69	73504.65
128		8	60		92.88	67801.27	103.72	75712.57	196.59	143513.85
129		16	122		184.23	134487.00	224.66	164447.80	449.31	328895.60
130		32	244		366.93	267858.44	405.08	295710.62	772.01	563569.06
131		64	488		897.86	657230.20	897.86	657230.20	1795.71	1314460.40
132		Data Warehouse as a service	2	8		26.78	19599.30	26.78	19599.30	53.55
133	4		16		101.15	74041.80	101.15	74041.80	202.30	148083.60
134	8		32		325.91	237917.40	331.70	242138.40	657.61	480055.80
135	16		64		651.83	475834.80	663.39	484278.20	1315.22	960113.00
136	40		160		2607.31	1903337.80	2653.58	1937112.80	5260.89	3840450.60
137	64		256		2607.31	1903337.80	2653.58	1937112.80	5260.89	3840450.60
138	8		64		330.79	241476.20	337.04	246038.80	667.83	487515.00
139	16		122		661.57	482949.60	674.09	492083.20	1335.66	975032.80
140	32		244		570.35	417496.20	570.35	417496.20	1140.70	834992.40
141	64		488		2653.07	1936740.40	2669.89	1949019.80	5322.96	3885760.20
142	4		32		101.15	74041.80	101.15	74041.80	202.30	148083.60
143	8		64		330.79	241476.20	337.04	246040.20	667.83	487516.40
144	16		122		661.57	482949.60	674.09	492083.20	1335.66	975032.80
145	32		244		570.35	417496.20	570.35	417496.20	1140.70	834992.40
146	4		16		101.15	74041.80	101.15	74041.80	202.30	148083.60
147	8		32		325.91	237917.40	331.70	242138.40	657.61	480055.80
148	16		64		64.98	47434.80	663.39	484278.20	728.37	531713.00
149	48		192		2607.31	1903337.80	2653.58	1937114.20	5260.89	3840452.00
150	96		384		5462.16	3987373.60	5509.63	4022032.00	10971.79	8009405.60
151	8		60		330.79	241476.20	337.04	246038.80	667.83	487515.00
152	32	244		570.35	417496.20	570.35	417496.20	1140.70	834992.40	
153	64	488		2653.07	1936740.40	2669.89	1949019.80	5322.96	3885760.20	
154	4	30		101.15	74041.80	101.15	74041.80	202.30	148083.60	
155	8	60		330.79	241476.20	337.04	246038.80	667.83	487515.00	
156	16	122		661.57	482949.60	674.09	492083.20	1335.66	975032.80	
157	32	244		570.35	417496.20	570.35	417496.20	1140.70	834992.40	
158	64	488		2653.07	1936740.40	2669.89	1949019.80	5322.96	3885760.20	
159	4	32		101.15	74041.80	101.15	74041.80	202.30	148083.60	
160	8	64		330.79	241476.20	337.04	246040.20	667.83	487516.40	
161	16	122		661.57	482949.60	674.09	492083.20	1335.66	975032.80	
162	36	244		888.25	650199.00	888.25	650199.00	1776.50	1300398.00	

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163		4	8		101.15	74041.80	101.15	74041.80	202.30	148083.60
164		8	16		348.49	254395.40	359.68	262568.60	708.17	516964.00
165		16	32		696.97	508789.40	719.37	525137.20	1416.34	1033926.60
166		36	72		888.25	650199.00	888.25	650199.00	1776.50	1300398.00
167		72	144		6686.75	4881325.40	6856.73	5005415.80	13543.48	9886741.20
168		2	4		26.78	19599.30	26.78	19599.30	53.55	39198.60
169		4	8		101.15	74041.80	101.15	74041.80	202.30	148083.60
170		8	15		337.75	246559.60	337.75	246559.60	675.51	493119.20
171		16	30		701.04	511761.60	730.29	533108.80	1431.33	1044870.40
172		36	60		888.25	650199.00	888.25	650199.00	1776.50	1300398.00
	Middleware as a service	Core	RAM(GB)	Storage(GB)						
173	JBOSS	4	14	100GBSSD	36.58	26773.38	36.58	26773.38	36.58	26773.38
174		8	14	100GBHDD	68.58	49380.00	86.60	63391.68	86.60	63391.68
175		2	4	100GBHDD	19.77	14469.63	19.77	14469.63	19.77	14469.63
176		16	112	800GBSSD	146.89	105760.00	241.18	176543.43	241.18	176543.43
177		4	14	100GBSSD	36.58	26773.38	36.58	26773.38	36.58	26773.38
178		16	112	224GBSSD	142.09	102304.00	232.21	169974.14	232.21	169974.14
179	WildFly	4	14	100GBSSD	11.74	8450.00	22.57	16520.26	22.57	16520.26
180		8	14	100GBHDD	15.69	11300.00	41.61	30457.22	41.61	30457.22
181		2	4	100GBHDD	8.96	6450.00	10.06	7365.68	10.06	7365.68
182		16	112	800GBSSD	41.11	29600.00	164.14	120151.25	164.14	120151.25
183		4	14	100GBSSD	11.74	8450.00	22.57	16520.26	22.57	16520.26
184		16	112	224GBSSD	36.31	26144.00	155.17	113581.96	155.17	113581.96
185	IBM WebSphere MQ 8.0	1	4	8GBSSD	170.81	106474.40	170.81	106474.40	170.81	125033.69
186		2	7	14GBSSD	176.31	109954.30	176.31	109954.30	176.31	129056.50
187		4	12	30GBSSD	346.64	216194.10	346.64	216194.10	346.64	253740.81
188		8	28	56GBSSD	694.22	432972.15	694.22	432972.15	694.22	508168.96
189		16	56	112GBSSD	2728.57	857854.85	2728.57	857854.85	2343.87	1715709.70
190	IBM WebSphere MQ 9.0	4	14	100GBSSD	348.73	216872.40	348.73	216872.40	348.73	255271.57
191		8	14	100GBHDD	694.90	432153.60	694.90	432153.60	694.90	508670.21
192		2	4	100GBHDD	172.64	107365.20	172.64	107365.20	172.64	126375.16
193		16	112	800GBSSD	1457.79	880449.72	1457.79	880449.72	1457.79	1067100.28
194		4	14	100GBSSD	348.75	216872.40	348.75	216872.40	348.75	255281.58
195		16	112	224GBSSD	1448.81	874868.62	1448.81	874868.62	1448.81	1060531.00

Minimum Requirement for All Database as a service components: The proposed solution should be in the form of software, should support managed Database Server with automatic OS & Server updates and management, should support high availability and elastic scaling capabilities based on demand without downtime, should support geo replication with up to four readable secondary databases, should support automatic performance monitoring, index management and tuning, should continuously monitor databases for potentially harmful attempts to access sensitive data such as suspicious database activities, potential vulnerabilities, and SQL injection attacks, and anomalous database access patterns. The proposed solution should support built-in auditing capabilities so as to understand database activity, discrepancies and anomalies, should support Data encryption at rest and in transit. The proposed solution should support dynamic data masking to limit sensitive data

exposure by masking it to non-privileged users, should support row-level security to control access to rows in a database table based on the characteristics of the user executing a query, should support multi factor authentication, should support a built-in backup, monitoring functionality and alert based notification The proposed solution should support role based access control with different capabilities between operational and administrative roles, should support SLA of at least 99.99%
 MS SQL Enterprise as a service: - Prices are from SQL DB Farm with over-provisioning ratio 1:8/Per month.

SECTION-B VPC(2 Ys)

SECTION-B DATABASE as a Service				DC-Public Cloud 1 year		DR-Public Cloud 1 year		DC+DR-Public Cloud 1 year		
Line Item #	Database Options	Core	RAM(GB)	Storage Type	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate
38	MS SQL Standard as a service	1	2		29.62	21624.74	31.08	22222.00	40.25	22222.00
39		2	4		43.40	22844.00	61.46	22844.00	43.40	22844.00
40		2	8		49.23	23296.00	61.46	23296.00	49.23	23296.00
41		4	16		60.24	24992.00	120.48	24992.00	60.24	24992.00
42		8	32		118.81	49984.00	231.77	49984.00	118.81	49984.00
43		16	64		293.89	99968.00	475.39	99968.00	293.89	99968.00
44		32	128		587.78	199936.00	972.81	199936.00	587.78	199936.00
45		40	160		1175.56	249920.00	1458.86	249920.00	1175.56	249920.00
46		64	256		1175.56	399872.00	1892.08	399872.00	1175.56	399872.00
47		4	30		116.53	26574.00	122.21	26574.00	146.95	26574.00
48		8	60		232.41	53148.00	231.77	53148.00	293.89	53148.00
49		16	122		464.17	106522.00	486.75	106522.00	587.78	106522.00
50		32	244		927.69	213044.00	972.81	213044.00	1175.56	213044.00
51		64	488		1435.87	426088.00	1956.00	426088.00	1435.87	426088.00
52		2	16		58.20	24200.00	61.46	24200.00	58.20	24200.00
53		4	30		79.39	26574.00	122.21	26574.00	79.39	26574.00
54		8	60		158.79	53148.00	231.77	53148.00	158.79	53148.00
55		16	122		317.58	106522.00	486.75	106522.00	317.58	106522.00
56		32	244		635.16	213044.00	927.04	213044.00	635.16	213044.00
57		MS SQL Enterprise as a service	1	2		29.62	21624.74	31.08	22222.00	60.70
58	2		4		58.59	22844.00	61.46	22844.00	120.05	22844.00
59	2		8		58.59	23296.00	61.46	23296.00	120.05	23296.00
60	4		16		116.53	24992.00	122.21	24992.00	175.26	24992.00
61	8		32		232.41	49984.00	231.77	49984.00	350.52	49984.00
62	4		16		116.53	24992.00	122.21	24992.00	175.26	24992.00

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63		8	32		232.41	49984.00	231.77	49984.00	350.52	49984.00
64		16	64		464.17	99968.00	486.75	99968.00	701.04	99968.00
65		40	160		1391.21	249920.00	1458.86	249920.00	2804.17	249920.00
66		64	256		2318.24	399872.00	2430.97	399872.00	2804.17	399872.00
67		4	32		116.53	26800.00	122.21	26800.00	238.75	26800.00
68		8	64		232.41	53600.00	231.77	53600.00	375.51	53600.00
69		16	128		464.17	107200.00	486.75	107200.00	950.93	107200.00
70		32	244		927.69	213044.00	972.81	213044.00	1900.50	213044.00
71		64	488		2318.24	426088.00	2430.97	426088.00	3064.48	426088.00
72		2	16		58.59	24200.00	61.46	24200.00	120.05	24200.00
73		4	30		116.53	26574.00	122.21	26574.00	181.18	26574.00
74		8	60		232.41	53148.00	231.77	53148.00	362.37	53148.00
75		16	122		464.17	106522.00	486.75	106522.00	724.73	106522.00
76		32	244		927.04	213044.00	927.04	213044.00	1449.46	213044.00
77	Postgre Enterprise as a service	1	2		6.05	4415.75	8.21	5996.80	14.26	10412.56
78		2	4		9.32	6818.70	9.32	6818.70	18.63	13637.40
79		2	8		22.15	16213.75	22.15	16213.75	44.30	32427.50
80		2	16		24.37	17786.99	24.53	17955.40	49.06	35910.80
81		4	16		43.99	32203.95	43.99	32203.95	87.99	64407.90
82		4	32		47.20	34458.41	48.75	35688.10	97.51	71376.20
83		8	32		87.77	64247.25	87.77	64247.25	175.54	128494.50
84		16	64		175.40	128395.90	175.40	128395.90	350.81	256791.80
85		40	160		0.00	320718.60	438.14	320718.60	876.28	641437.20
86		64	256		0.00	512915.50	700.70	512915.50	1401.41	1025831.00
87		4	30		47.20	34458.41	48.75	35688.10	97.51	71376.20
88		8	60		92.88	67801.27	97.20	71153.50	194.41	142307.00
89		16	122		184.23	134487.00	194.10	142084.30	388.21	284168.60
90		32	244		366.93	267858.44	387.90	283945.90	772.01	563569.06
91		64	488		0.00	567669.10	775.50	567669.10	1551.01	1135338.20
92		8	60		92.88	67801.27	97.20	71153.50	194.41	142307.00
93		16	122		184.23	134487.00	194.10	142084.30	388.21	284168.60
94		32	244		366.93	267858.44	387.90	283945.90	772.01	563569.06
95	Oracle Standard as a service	1	1		3.53	2587.40	3.53	2587.40	7.07	5174.80
96		1	2		6.42	4703.05	6.42	4703.05	12.85	9406.10
97		2	4		12.54	9182.55	12.54	9182.55	25.09	18365.10
98		2	8		43.91	32141.90	43.91	32141.90	87.82	64283.80
99		4	16		87.60	64123.15	87.60	64123.15	175.20	128246.30
100		8	32		174.98	128084.80	174.98	128084.80	349.96	256169.60
101		2	8		43.91	32141.90	43.91	32141.90	87.82	64283.80

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102		4	16		87.60	64123.15	87.60	64123.15	175.20	128246.30
103		8	32		174.98	128084.80	174.98	128084.80	349.96	256169.60
104		16	64		349.06	255511.70	349.06	255511.70	698.12	511023.40
105		2	16		45.18	33075.20	45.18	33075.20	90.37	66150.40
106		4	32		90.07	65927.70	90.07	65927.70	180.13	131855.40
107		8	64		179.82	131631.85	179.82	131631.85	359.65	263263.70
108		16	122		359.34	263040.15	359.34	263040.15	718.69	526080.30
109		2	16		45.18	33075.20	45.18	33075.20	90.37	66150.40
110		4	32		90.07	65927.70	90.07	65927.70	180.13	131855.40
111		8	64		179.82	131631.85	179.82	131631.85	0.00	0.00
112		16	124		359.34	263040.15	359.34	263040.15	718.69	526080.30
113	MySQL compatible relational database	1	2		5.27	3858.15	5.27	3858.15	10.54	7716.30
114		2	4		10.29	7529.30	10.29	7529.30	20.57	15058.60
115		2	16		24.37	17786.99	26.79	19556.39	51.16	37343.38
116		4	32		56.36	41252.20	51.90	37889.56	112.71	82504.40
117		8	64		92.88	67801.27	102.13	74555.89	195.01	142357.17
118		16	122		184.23	134487.00	202.59	147888.58	386.82	282375.58
119		32	244		366.93	267858.44	403.50	294553.94	770.43	562412.38
120		64	488		897.86	657230.20	897.86	657230.20	1795.71	1314460.40
121		2	16		24.37	17786.99	26.79	19556.39	51.16	37343.38
122		4	32		56.36	41252.20	51.90	37889.56	112.71	82504.40
123		8	64		92.88	67801.27	102.13	74555.89	195.01	142357.17
124		16	122		184.23	134487.00	202.59	147888.58	386.82	282375.58
125		32	244		366.93	267858.44	403.50	294553.94	770.43	562412.38
126	Postgre SQL compatible relational database	2	16		24.37	17786.99	28.31	20713.07	52.74	38500.06
127		4	30		47.20	34458.41	53.49	39046.24	100.69	73504.65
128		8	60		92.88	67801.27	103.72	75712.57	196.59	143513.85
129		16	122		184.23	134487.00	224.66	164447.80	449.31	328895.60
130		32	244		366.93	267858.44	405.08	295710.62	772.01	563569.06
131	64	488		897.86	657230.20	897.86	657230.20	1795.71	1314460.40	
132	Data Warehouse as a service	2	8		26.78	19599.30	26.78	19599.30	53.55	39198.60
133		4	16		101.15	74041.80	101.15	74041.80	202.30	148083.60
134		8	32		325.91	237917.40	331.70	242138.40	657.61	480055.80
135		16	64		651.83	475834.80	663.39	484278.20	1315.22	960113.00
136		40	160		2607.31	1903337.80	2653.58	1937112.80	5260.89	3840450.60
137		64	256		2607.31	1903337.80	2653.58	1937112.80	5260.89	3840450.60
138		8	64		330.79	241476.20	337.04	246038.80	667.83	487515.00
139		16	122		661.57	482949.60	674.09	492083.20	1335.66	975032.80
140	32	244		570.35	417496.20	570.35	417496.20	1140.70	834992.40	

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141		64	488		2653.07	1936740.40	2669.89	1949019.80	5322.96	3885760.20
142		4	32		101.15	74041.80	101.15	74041.80	202.30	148083.60
143		8	64		330.79	241476.20	337.04	246040.20	667.83	487516.40
144		16	122		661.57	482949.60	674.09	492083.20	1335.66	975032.80
145		32	244		570.35	417496.20	570.35	417496.20	1140.70	834992.40
146		4	16		101.15	74041.80	101.15	74041.80	202.30	148083.60
147		8	32		325.91	237917.40	331.70	242138.40	657.61	480055.80
148		16	64		64.98	47434.80	663.39	484278.20	728.37	531713.00
149		48	192		2607.31	1903337.80	2653.58	1937114.20	5260.89	3840452.00
150		96	384		5462.16	3987373.60	5509.63	4022032.00	10971.79	8009405.60
151		8	60		330.79	241476.20	337.04	246038.80	667.83	487515.00
152		32	244		570.35	417496.20	570.35	417496.20	1140.70	834992.40
153		64	488		2653.07	1936740.40	2669.89	1949019.80	5322.96	3885760.20
154		4	30		101.15	74041.80	101.15	74041.80	202.30	148083.60
155		8	60		330.79	241476.20	337.04	246038.80	667.83	487515.00
156		16	122		661.57	482949.60	674.09	492083.20	1335.66	975032.80
157		32	244		570.35	417496.20	570.35	417496.20	1140.70	834992.40
158		64	488		2653.07	1936740.40	2669.89	1949019.80	5322.96	3885760.20
159		4	32		101.15	74041.80	101.15	74041.80	202.30	148083.60
160		8	64		330.79	241476.20	337.04	246040.20	667.83	487516.40
161		16	122		661.57	482949.60	674.09	492083.20	1335.66	975032.80
162		36	244		888.25	650199.00	888.25	650199.00	1776.50	1300398.00
163		4	8		101.15	74041.80	101.15	74041.80	202.30	148083.60
164		8	16		348.49	254395.40	359.68	262568.60	708.17	516964.00
165		16	32		696.97	508789.40	719.37	525137.20	1416.34	1033926.60
166		36	72		888.25	650199.00	888.25	650199.00	1776.50	1300398.00
167		72	144		6686.75	4881325.40	6856.73	5005415.80	13543.48	9886741.20
168		2	4		26.78	19599.30	26.78	19599.30	53.55	39198.60
169		4	8		101.15	74041.80	101.15	74041.80	202.30	148083.60
170		8	15		337.75	246559.60	337.75	246559.60	675.51	493119.20
171		16	30		701.04	511761.60	730.29	533108.80	1431.33	1044870.40
172		36	60		888.25	650199.00	888.25	650199.00	1776.50	1300398.00
	Middleware as a service	Core	RAM(GB)	Storage(GB)						
173	JBOSS	4	14	100GBSSD	36.58	26773.38	36.58	26773.38	36.58	26773.38
174		8	14	100GBHDD	68.58	49380.00	86.60	63391.68	86.60	63391.68
175		2	4	100GBHDD	19.77	14469.63	19.77	14469.63	19.77	14469.63
176		16	112	800GBSSD	146.89	105760.00	241.18	176543.43	241.18	176543.43
177		4	14	100GBSSD	36.58	26773.38	36.58	26773.38	36.58	26773.38

178		16	112	224GBSSD	142.09	102304.00	232.21	169974.14	232.21	169974.14
179	WildFly	4	14	100GBSSD	11.74	8450.00	22.57	16520.26	22.57	16520.26
180		8	14	100GBHDD	15.69	11300.00	41.61	30457.22	41.61	30457.22
181		2	4	100GBHDD	8.96	6450.00	10.06	7365.68	10.06	7365.68
182		16	112	800GBSSD	41.11	29600.00	164.14	120151.25	164.14	120151.25
183		4	14	100GBSSD	11.74	8450.00	22.57	16520.26	22.57	16520.26
184		16	112	224GBSSD	36.31	26144.00	155.17	113581.96	155.17	113581.96
185	IBM WebSphere MQ 8.0	1	4	8GBSSD	170.81	106474.40	170.81	106474.40	170.81	125033.69
186		2	7	14GBSSD	176.31	109954.30	176.31	109954.30	176.31	129056.50
187		4	12	30GBSSD	346.64	216194.10	346.64	216194.10	346.64	253740.81
188		8	28	56GBSSD	694.22	432972.15	694.22	432972.15	694.22	508168.96
189		16	56	112GBSSD	2728.57	857854.85	2728.57	857854.85	2343.87	1715709.70
190	IBM WebSphere MQ 9.0	4	14	100GBSSD	348.73	216872.40	348.73	216872.40	348.73	255271.57
191		8	14	100GBHDD	694.90	432153.60	694.90	432153.60	694.90	508670.21
192		2	4	100GBHDD	172.64	107365.20	172.64	107365.20	172.64	126375.16
193		16	112	800GBSSD	1457.79	880449.72	1457.79	880449.72	1457.79	1067100.28
194		4	14	100GBSSD	348.75	216872.40	348.75	216872.40	348.75	255281.58
195		16	112	224GBSSD	1448.81	874868.62	1448.81	874868.62	1448.81	1060531.00

Minimum Requirement for All Database as a service components: The proposed solution should be in the form of software, should support managed Database Server with automatic OS & Server updates and management, should support high availability and elastic scaling capabilities based on demand without downtime, should support geo replication with up to four readable secondary databases, should support automatic performance monitoring, index management and tuning, should continuously monitor databases for potentially harmful attempts to access sensitive data such as suspicious database activities, potential vulnerabilities, and SQL injection attacks, and anomalous database access patterns. The proposed solution should support built-in auditing capabilities so as to understand database activity, discrepancies and anomalies, should support Data encryption at rest and in transit. The proposed solution should support dynamic data masking to limit sensitive data exposure by masking it to non-privileged users, should support row-level security to control access to rows in a database table based on the characteristics of the user executing a query, should support multi factor authentication, should support a built-in backup, monitoring functionality and alert based notification The proposed solution should support role based access control with different capabilities between operational and administrative roles, should support SLA of at least 99.99%

MS SQL Enterprise as a service: - Prices are from SQL DB Farm with over-provisioning ratio 1:8/Per month.

SECTION-C- VPC (1 year)

For Specifications of the below services refer specification section T table-9

Line Item #	SECTION-C ADDITIONAL SERVICES	DC-Public Cloud 1 year		DR-Public Cloud 1 year	DC+DR-Public Cloud 1 year
		Hourly Rates	MONTHLY rate	MONTHLY rate	MONTHLY rate
196	Data warehouse as a service or equivalent	173.85	126911.22	125660.43	252571.65
197	Access control as a service or equivalent	85.00	71500.00	71500.00	143000.00
198	Simple Notification Service or equivalent	1.27	925.40	925.40	1850.80
199	Managed Message Queuing Service or equivalent	85.00	63854.53	63854.53	127709.06

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200	Cloud HSM or equivalent		97.35	49583.33	49583.33	99166.67
201	Big data processing as a service		435.03	313200.00	313200.00	626400.00
202	Cache management as a service or equivalent		66.81	48771.37	48771.37	97542.74
203	Elastic Search or equivalent		31.09	22698.62	22698.62	45397.24
204	Data Streams or equivalent		5.00	8173.96	8173.96	16347.92
205	Simple Workflow Service or equivalent		10.00	33275.49	33275.49	66550.98
206	Cloud Formation or equivalent		9.59	7000.00	7000.00	14000.00
207	Cloud AUDIT Trail or equivalent		178.50	15567.43	15567.43	31134.85
208	Device based Data migration services		425.00	22218.00	22218.00	44436.00
209	Storage Gateway or equivalent		14500.00	12750.00	12750.00	25500.00
210	Web App Hosting as a Service		40.72	11900.00	11900.00	23800.00
211	API as a service		297.50	63544.63	63544.63	127089.26
212	Enterprise Mailing Solution as a service		3000.00	800.00	800.00	1600.00
213	Enterprise Open source Mailing Solution as a service		2400.00	800.00	800.00	1600.00
214	Instant Messaging and Online Meetings		1400.00	400.00	400.00	800.00
215	Online File Storage and Collaboration (Co-Authoring) solution		NA	595.00	595.00	1190.00
216	Cloud based Enterprise Office Productivity suit		NA	795.00	795.00	1590.00
217	Cloud based open source Office Productivity suit		NA	NA	NA	NA
218	SAP Basis support - cover 24x7 support via ticket, chat & email		450.00	3300.00	3300.00	6600.00
219	SAP Basis support - cover 24x7 support via ticket, chat & email		600.00	3300.00	3300.00	6600.00
220	Dual Factor Authentication (Per User)		42.50	1083.33	1083.33	2166.67
221	Dual Factor Authentication Per 5000 Users	NA		21250.00	21250.00	42500.00
222	Dual Factor Authentication Per 50000 Users	NA		170000.00	170000.00	340000.00
223	Triple/Multi Factor Authentication (Per User)	NA		NA	NA	NA
224	Triple/Multi Factor Authentication Per 5000 Users	NA		NA	NA	NA
225	Triple/Multi Factor Authentication Per 50000 Users	NA		NA	NA	NA
226	Business Intelligence tools as a Service (BlaaS) using MS SQL server	NA		NA	NA	NA
227	Pack 1-Small	NA		9350.00	9350.00	18700.00
228	Pack 2 Medium	NA		9350.00	9350.00	18700.00
229	Pack-3 Large	NA		72250.00	72250.00	144500.00
230	Add-on components for BlaaS	NA		30000.00	30000.00	60000.00
231	Additional Report	NA		200000.00	200000.00	400000.00
232	Additional Users	NA		400.00	400.00	800.00
233	Load Balancer as a Service (for each device)		8.24	6013.84	6013.84	12027.68
234	Interoperability as a service		42500.00	-	-	-
	NA---Not Available(rates)					

SECTION-C VPC(2 Year)

For Specifications of the below services refer specification section T table-9

Line Item #	SECTION-C ADDITIONAL SERVICES	DC-VPC 2 year		DR-VPC 2 year	DC+DR-VPC 2 year
		Hourly Rates	MONTHLY rate	MONTHLY rate	MONTHLY rate
196	Data warehouse as a service or equivalent	173.85	126911.22	125660.43	252571.65
197	Access control as a service or equivalent	85.00	71500.00	71500.00	143000.00
198	Simple Notification Service or equivalent	1.27	925.40	925.40	1850.80
199	Managed Message Queuing Service or equivalent	85.00	63854.53	63854.53	127709.06
200	Cloud HSM or equivalent	97.35	49583.33	49583.33	99166.67
201	Big data processing as a service	435.03	313200.00	313200.00	626400.00
202	Cache management as a service or equivalent	66.81	48771.37	48771.37	97542.74
203	Elastic Search or equivalent	31.09	22698.62	22698.62	45397.24
204	Data Streams or equivalent	5.00	8173.96	8173.96	16347.92
205	Simple Workflow Service or equivalent	10.00	33275.49	33275.49	66550.98
206	Cloud Formation or equivalent	9.59	7000.00	7000.00	14000.00
207	Cloud AUDIT Trail or equivalent	178.50	15567.43	15567.43	31134.85
208	Device based Data migration services	425.00	22218.00	22218.00	44436.00
209	Storage Gateway or equivalent	14500.00	12750.00	12750.00	25500.00
210	Web App Hosting as a Service	40.72	11900.00	11900.00	23800.00
211	API as a service	297.50	63544.63	63544.63	127089.26
212	Enterprise Mailing Solution as a service	3000.00	800.00	800.00	1600.00
213	Enterprise Open source Mailing Solution as a service	2400.00	800.00	800.00	1600.00
214	Instant Messaging and Online Meetings	1400.00	400.00	400.00	800.00
215	Online File Storage and Collaboration (Co-Authoring) solution	NA	595.00	595.00	1190.00
216	Cloud based Enterprise Office Productivity suit	NA	795.00	795.00	1590.00
217	Cloud based open source Office Productivity suit	NA	NA	NA	NA
218	SAP Basis support - cover 24x7 support via ticket, chat & email	450.00	3300.00	3300.00	6600.00
219	SAP Basis support - cover 24x7 support via ticket, chat & email	600.00	3300.00	3300.00	6600.00
220	Dual Factor Authentication (Per User)	42.50	1083.33	1083.33	2166.67
221	Dual Factor Authentication Per 5000 Users	NA	21250.00	21250.00	42500.00
222	Dual Factor Authentication Per 50000 Users	NA	170000.00	170000.00	340000.00
223	Triple/Multi Factor Authentication (Per User)	NA	NA	NA	NA
224	Triple/Multi Factor Authentication Per 5000 Users	NA	NA	NA	NA
225	Triple/Multi Factor Authentication Per 50000 Users	NA	NA	NA	NA
226	Business Intelligence tools as a Service (BlaaS) using MS SQL server	NA	NA	NA	NA
227	Pack 1-Small	NA	9350.00	9350.00	18700.00

228	Pack 2 Medium	NA	9350.00	9350.00	18700.00
229	Pack-3 Large	NA	72250.00	72250.00	144500.00
230	Add-on components for BlaaS	NA	30000.00	30000.00	60000.00
231	Additional Report	NA	200000.00	200000.00	400000.00
232	Additional Users	NA	400.00	400.00	800.00
233	Load Balancer as a Service (for each device)	8.24	6013.84	6013.84	12027.68
234	Interoperability as a service	42500.00	-	-	-
	NA---Not Available(rates)				

Government Community Cloud

SECTION-A GCC(1 Year)

SECTION-A Virtual Server		
Service Type	Feature	Included
Networking	Network Segment- VLAN	Up to 5 Vm-1 network segment
		5 to 10 Vm-2 network Segments
		10-15 Vm-3 Network Segments
		15-20 Vm-4 network segments
	Networking - Load Balancing- Active Active	Included
	Networking - Switching & Routing	Included
	Managed Firewall(WAF), Non std encoding, session mgmt.	Included
Administration	One Sub Admin Account	Included
Operating System options	RedHat Enterprise Linux 7 or above	Included
	CentOS operating System	
	Ubuntu Operating System	
	SUSE Linux operating system	
	Microsoft Windows Server 2012	
	Public IP	1 network segment-1

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							2 network Segments-2			
							3 network Segments- 3			
							4 network Segments- 4			
Security					SSL (DV+OV)		1		included	
					IAM + console		1		included	
Backup					100 GB per VM		1		included	
					DC-GCC 1 year		DR-GCC 1 year		DC+DR-GCC 1 year	
Line Item #	VM	cpu	RAM	Storage (GB)	HOURLY rate	MONTHLY	HOURLY rate	MONTHLY	HOURLY rate	MONTHLY
						rate		rate		rate
1	Pack 21	2	16	100	14.23	5122.00	14.23	5122.00	28.46	10244.00
2	Pack 22	4	16	250	16.94	6100.00	16.94	6100.00	33.89	12200.00
3	Pack 23	4	24	300	22.04	7934.00	22.04	7934.00	44.08	15868.00
4	Pack 24	4	32	300	24.48	8814.00	24.48	8814.00	48.97	17628.00
5	Pack 25	4	60	300	33.04	11894.00	33.04	11894.00	66.08	23788.00
6	Pack 26	6	32	450	29.06	10461.00	29.06	10461.00	58.12	20922.00
7	Pack 27	6	48	450	33.95	12221.00	33.95	12221.00	67.89	24442.00
8	Pack 28	6	64	450	38.84	13981.00	38.84	13981.00	77.67	27962.00
9	Pack 29	8	16	450	26.37	9493.00	26.37	9493.00	52.74	18986.00
10	Pack 30	8	32	450	31.26	11253.00	31.26	11253.00	62.52	22506.00
11	Pack 31	8	60	450	39.81	14333.00	39.81	14333.00	79.63	28666.00
12	Pack 32	8	64	600	43.41	15628.00	43.41	15628.00	86.82	31256.00
13	Pack 33	16	32	650	42.36	15250.00	42.36	15250.00	84.72	30500.00
14	Pack 34	16	64	950	57.75	20791.00	57.75	20791.00	115.51	41582.00
15	Pack 35	16	128	950	77.31	27831.00	77.31	27831.00	154.62	55662.00

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16	Pack 36	32	244	800	127.98	46072.00	127.98	46072.00	255.96	92144.00
17	Pack 37	32	488	800	202.53	72912.00	202.53	72912.00	405.07	145824.00
18	Pack 38	36	60	800	76.16	27416.00	76.16	27416.00	152.31	54832.00
19	Pack 39	36	244	800	132.38	47656.00	132.38	47656.00	264.76	95312.00
20	Pack 40	40	160	850	111.90	40285.00	111.90	40285.00	223.81	80570.00
21	Pack 41	48	192	850	130.48	46973.00	130.48	46973.00	260.96	93946.00
22	Pack 42	48	192	850	130.48	46973.00	130.48	46973.00	260.96	93946.00
23	Pack 43	64	256	850	167.64	60349.00	167.64	60349.00	335.27	120698.00
24	Pack 44	64	488	950	240.11	86439.00	240.11	86439.00	480.22	172878.00
25	Pack 45	64	732	950	314.66	113279.00	314.66	113279.00	629.33	226558.00
26	Pack 46	64	976	950	389.22	140119.00	389.22	140119.00	778.44	280238.00
27	Pack 47	72	144	950	143.80	51767.00	143.80	51767.00	287.59	103534.00
28	Pack 48	96	384	950	243.53	87671.00	243.53	87671.00	487.06	175342.00
29	Pack 49	128	1952	950	757.84	272823.00	757.84	272823.00	1515.68	545646.00
30	Bandwidth-Plan 1- upto 100 GB				-	754.00	-	754.00	-	754.00
31	Bandwidth-Plan 2- upto 500 GB				-	3500.00	-	3500.00	-	3500.00
32	Bandwidth-Plan 3- upto 1000 GB				-	7000.00	-	7000.00	-	7000.00
33	Additional data transfer tariff per GB				-	8.00	-	8.00	-	8.00
34	Internet bandwidth (Unlimited data)			2mbps	-	1508.00	-	1508.00	-	1508.00
35				4mbps	-	3016.00	-	3016.00	-	3016.00
36				10mbps	-	7540.00	-	7540.00	-	7540.00
37				20mbps	-	15080.00	-	15080.00	-	15080.00

SECTION-A GCC(2 Year)

SECTION-A Virtual Server											
Service Type			Feature				Included				
Networking			Network Segment- VLAN				Up to 5 Vm-1 network segment				
							5 to 10 Vm-2 network Segments				
							10-15 Vm-3 Network Segments				
							15-20 Vm-4 network segments				
			Networking - Load Balancing- Active Active				Included				
			Networking - Switching & Routing				Included				
			Managed Firewall(WAF), Non std encoding, session mgmt.				Included				
Administration			One Sub Admin Account				Included				
Operating System options			RedHat Enterprise Linux 7 or above				Included				
			CentOS operating System								
			Ubuntu Operating System								
			SUSE Linux operating system								
			Microsoft Windows Server 2012								
			Public IP				1 network segment-1				
							2 network Segments-2				
							3 network Segments- 3				
							4 network Segments- 4				
Security			SSL (DV+OV)				1		included		
			IAM + console				1		included		
Backup			100 GB per VM				1		included		
			DC-GCC 2 year				DR-GCC 2 year		DC+DR-GCC 2 year		
Line Item #	VM	cpu	RAM	Storage (GB)	HOURLY rate	MONTHLY	HOURLY rate	MONTHLY	HOURLY rate	MONTHLY	
						rate		rate		rate	

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1	Pack 21	2	16	100	14.23	5122.00	14.23	5122.00	28.46	10244.00
2	Pack 22	4	16	250	16.94	6100.00	16.94	6100.00	33.89	12200.00
3	Pack 23	4	24	300	22.04	7934.00	22.04	7934.00	44.08	15868.00
4	Pack 24	4	32	300	24.48	8814.00	24.48	8814.00	48.97	17628.00
5	Pack 25	4	60	300	33.04	11894.00	33.04	11894.00	66.08	23788.00
6	Pack 26	6	32	450	29.06	10461.00	29.06	10461.00	58.12	20922.00
7	Pack 27	6	48	450	33.95	12221.00	33.95	12221.00	67.89	24442.00
8	Pack 28	6	64	450	38.84	13981.00	38.84	13981.00	77.67	27962.00
9	Pack 29	8	16	450	26.37	9493.00	26.37	9493.00	52.74	18986.00
10	Pack 30	8	32	450	31.26	11253.00	31.26	11253.00	62.52	22506.00
11	Pack 31	8	60	450	39.81	14333.00	39.81	14333.00	79.63	28666.00
12	Pack 32	8	64	600	43.41	15628.00	43.41	15628.00	86.82	31256.00
13	Pack 33	16	32	650	42.36	15250.00	42.36	15250.00	84.72	30500.00
14	Pack 34	16	64	950	57.75	20791.00	57.75	20791.00	115.51	41582.00
15	Pack 35	16	128	950	77.31	27831.00	77.31	27831.00	154.62	55662.00
16	Pack 36	32	244	800	127.98	46072.00	127.98	46072.00	255.96	92144.00
17	Pack 37	32	488	800	202.53	72912.00	202.53	72912.00	405.07	145824.00
18	Pack 38	36	60	800	76.16	27416.00	76.16	27416.00	152.31	54832.00
19	Pack 39	36	244	800	132.38	47656.00	132.38	47656.00	264.76	95312.00
20	Pack 40	40	160	850	111.90	40285.00	111.90	40285.00	223.81	80570.00
21	Pack 41	48	192	850	130.48	46973.00	130.48	46973.00	260.96	93946.00
22	Pack 42	48	192	850	130.48	46973.00	130.48	46973.00	260.96	93946.00
23	Pack 43	64	256	850	167.64	60349.00	167.64	60349.00	335.27	120698.00

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24	Pack 44	64	488	950	240.11	86439.00	240.11	86439.00	480.22	172878.00
25	Pack 45	64	732	950	314.66	113279.00	314.66	113279.00	629.33	226558.00
26	Pack 46	64	976	950	389.22	140119.00	389.22	140119.00	778.44	280238.00
27	Pack 47	72	144	950	143.80	51767.00	143.80	51767.00	287.59	103534.00
28	Pack 48	96	384	950	243.53	87671.00	243.53	87671.00	487.06	175342.00
29	Pack 49	128	1952	950	757.84	272823.00	757.84	272823.00	1515.68	545646.00
30	Bandwidth-Plan 1- upto 100 GB				-	754.00	-	754.00	-	754.00
31	Bandwidth-Plan 2- upto 500 GB				-	3500.00	-	3500.00	-	3500.00
32	Bandwidth-Plan 3- upto 1000 GB				-	7000.00	-	7000.00	-	7000.00
33	Additional data transfer tariff per GB				-	8.00	-	8.00	-	8.00
34	Internet bandwidth (Unlimited data)			2mbps	-	1508.00	-	1508.00	-	1508.00
35				4mbps	-	3016.00	-	3016.00	-	3016.00
36				10mbps	-	7540.00	-	7540.00	-	7540.00
37				20mbps	-	15080.00	-	15080.00	-	15080.00

SECTION-B GCC(1 Year)

SECTION-B DATABASE as a Service					DC-GCC 1 year		DR-GCC 1 year		DC+DR-GCC 1 year	
Line Item #	Database Options	Core	RAM(GB)	Storage Type	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate
38	MS SQL Standard as a service	1	2		29.62	21624.74	31.08	22222.00	40.25	22222.00
39		2	4		43.40	22844.00	61.46	22844.00	43.40	22844.00
40		2	8		49.23	23296.00	61.46	23296.00	49.23	23296.00
41		4	16		60.24	24992.00	120.48	24992.00	60.24	24992.00
42		8	32		118.81	49984.00	231.77	49984.00	118.81	49984.00
43		16	64		293.89	99968.00	475.39	99968.00	293.89	99968.00
44		32	128		587.78	199936.00	972.81	199936.00	587.78	199936.00
45		40	160		1175.56	249920.00	1458.86	249920.00	1175.56	249920.00

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46		64	256		1175.56	399872.00	1892.08	399872.00	1175.56	399872.00
47		4	30		116.53	26574.00	122.21	26574.00	146.95	26574.00
48		8	60		232.41	53148.00	231.77	53148.00	293.89	53148.00
49		16	122		464.17	106522.00	486.75	106522.00	587.78	106522.00
50		32	244		927.69	213044.00	972.81	213044.00	1175.56	213044.00
51		64	488		1435.87	426088.00	1956.00	426088.00	1435.87	426088.00
52		2	16		58.20	24200.00	61.46	24200.00	58.20	24200.00
53		4	30		79.39	26574.00	122.21	26574.00	79.39	26574.00
54		8	60		158.79	53148.00	231.77	53148.00	158.79	53148.00
55		16	122		317.58	106522.00	486.75	106522.00	317.58	106522.00
56		32	244		635.16	213044.00	927.04	213044.00	635.16	213044.00
57	MS SQL Enterprise as a service	1	2		29.62	21624.74	31.08	22222.00	60.70	22222.00
58		2	4		58.59	22844.00	61.46	22844.00	120.05	22844.00
59		2	8		58.59	23296.00	61.46	23296.00	120.05	23296.00
60		4	16		116.53	24992.00	122.21	24992.00	175.26	24992.00
61		8	32		232.41	49984.00	231.77	49984.00	350.52	49984.00
62		4	16		116.53	24992.00	122.21	24992.00	175.26	24992.00
63		8	32		232.41	49984.00	231.77	49984.00	350.52	49984.00
64		16	64		464.17	99968.00	486.75	99968.00	701.04	99968.00
65		40	160		1391.21	249920.00	1458.86	249920.00	2804.17	249920.00
66		64	256		2318.24	399872.00	2430.97	399872.00	2804.17	399872.00
67		4	32		116.53	26800.00	122.21	26800.00	238.75	26800.00
68		8	64		232.41	53600.00	231.77	53600.00	375.51	53600.00
69		16	128		464.17	107200.00	486.75	107200.00	950.93	107200.00
70		32	244		927.69	213044.00	972.81	213044.00	1900.50	213044.00
71		64	488		2318.24	426088.00	2430.97	426088.00	3064.48	426088.00
72		2	16		58.59	24200.00	61.46	24200.00	120.05	24200.00
73		4	30		116.53	26574.00	122.21	26574.00	181.18	26574.00
74		8	60		232.41	53148.00	231.77	53148.00	362.37	53148.00
75		16	122		464.17	106522.00	486.75	106522.00	724.73	106522.00
76		32	244		927.04	213044.00	927.04	213044.00	1449.46	213044.00
77	Postgre Enterprise as a service	1	2		6.05	4415.75	8.21	5996.80	14.26	10412.56
78		2	4		9.32	6818.70	9.32	6818.70	18.63	13637.40
79		2	8		22.15	16213.75	22.15	16213.75	44.30	32427.50
80		2	16		24.37	17786.99	24.53	17955.40	49.06	35910.80
81		4	16		43.99	32203.95	43.99	32203.95	87.99	64407.90
82		4	32		47.20	34458.41	48.75	35688.10	97.51	71376.20
83		8	32		87.77	64247.25	87.77	64247.25	175.54	128494.50
84		16	64		175.40	128395.90	175.40	128395.90	350.81	256791.80

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85		40	160		0.00	320718.60	438.14	320718.60	876.28	641437.20
86		64	256		0.00	512915.50	700.70	512915.50	1401.41	1025831.00
87		4	30		47.20	34458.41	48.75	35688.10	97.51	71376.20
88		8	60		92.88	67801.27	97.20	71153.50	194.41	142307.00
89		16	122		184.23	134487.00	194.10	142084.30	388.21	284168.60
90		32	244		366.93	267858.44	387.90	283945.90	772.01	563569.06
91		64	488		0.00	567669.10	775.50	567669.10	1551.01	1135338.20
92		8	60		92.88	67801.27	97.20	71153.50	194.41	142307.00
93		16	122		184.23	134487.00	194.10	142084.30	388.21	284168.60
94		32	244		366.93	267858.44	387.90	283945.90	772.01	563569.06
95	Oracle Standard as a service	1	1		3.53	2587.40	3.53	2587.40	7.07	5174.80
96		1	2		6.42	4703.05	6.42	4703.05	12.85	9406.10
97		2	4		12.54	9182.55	12.54	9182.55	25.09	18365.10
98		2	8		43.91	32141.90	43.91	32141.90	87.82	64283.80
99		4	16		87.60	64123.15	87.60	64123.15	175.20	128246.30
100		8	32		174.98	128084.80	174.98	128084.80	349.96	256169.60
101		2	8		43.91	32141.90	43.91	32141.90	87.82	64283.80
102		4	16		87.60	64123.15	87.60	64123.15	175.20	128246.30
103		8	32		174.98	128084.80	174.98	128084.80	349.96	256169.60
104		16	64		349.06	255511.70	349.06	255511.70	698.12	511023.40
105		2	16		45.18	33075.20	45.18	33075.20	90.37	66150.40
106		4	32		90.07	65927.70	90.07	65927.70	180.13	131855.40
107		8	64		179.82	131631.85	179.82	131631.85	359.65	263263.70
108		16	122		359.34	263040.15	359.34	263040.15	718.69	526080.30
109		2	16		45.18	33075.20	45.18	33075.20	90.37	66150.40
110		4	32		90.07	65927.70	90.07	65927.70	180.13	131855.40
111		8	64		179.82	131631.85	179.82	131631.85	0.00	0.00
112		16	124		359.34	263040.15	359.34	263040.15	718.69	526080.30
113	MySQL compatible relational database	1	2		5.27	3858.15	5.27	3858.15	10.54	7716.30
114		2	4		10.29	7529.30	10.29	7529.30	20.57	15058.60
115		2	16		24.37	17786.99	26.79	19556.39	51.16	37343.38
116		4	32		56.36	41252.20	51.90	37889.56	112.71	82504.40
117		8	64		92.88	67801.27	102.13	74555.89	195.01	142357.17
118		16	122		184.23	134487.00	202.59	147888.58	386.82	282375.58
119		32	244		366.93	267858.44	403.50	294553.94	770.43	562412.38
120		64	488		897.86	657230.20	897.86	657230.20	1795.71	1314460.40
121		2	16		24.37	17786.99	26.79	19556.39	51.16	37343.38
122		4	32		56.36	41252.20	51.90	37889.56	112.71	82504.40
123		8	64		92.88	67801.27	102.13	74555.89	195.01	142357.17

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124		16	122		184.23	134487.00	202.59	147888.58	386.82	282375.58
125		32	244		366.93	267858.44	403.50	294553.94	770.43	562412.38
126	Postgre SQL compatible relational database	2	16		24.37	17786.99	28.31	20713.07	52.74	38500.06
127		4	30		47.20	34458.41	53.49	39046.24	100.69	73504.65
128		8	60		92.88	67801.27	103.72	75712.57	196.59	143513.85
129		16	122		184.23	134487.00	224.66	164447.80	449.31	328895.60
130		32	244		366.93	267858.44	405.08	295710.62	772.01	563569.06
131		64	488		897.86	657230.20	897.86	657230.20	1795.71	1314460.40
132		Data Warehouse as a service	2	8		26.78	19599.30	26.78	19599.30	53.55
133	4		16		101.15	74041.80	101.15	74041.80	202.30	148083.60
134	8		32		325.91	237917.40	331.70	242138.40	657.61	480055.80
135	16		64		651.83	475834.80	663.39	484278.20	1315.22	960113.00
136	40		160		2607.31	1903337.80	2653.58	1937112.80	5260.89	3840450.60
137	64		256		2607.31	1903337.80	2653.58	1937112.80	5260.89	3840450.60
138	8		64		330.79	241476.20	337.04	246038.80	667.83	487515.00
139	16		122		661.57	482949.60	674.09	492083.20	1335.66	975032.80
140	32		244		570.35	417496.20	570.35	417496.20	1140.70	834992.40
141	64		488		2653.07	1936740.40	2669.89	1949019.80	5322.96	3885760.20
142	4		32		101.15	74041.80	101.15	74041.80	202.30	148083.60
143	8		64		330.79	241476.20	337.04	246040.20	667.83	487516.40
144	16		122		661.57	482949.60	674.09	492083.20	1335.66	975032.80
145	32		244		570.35	417496.20	570.35	417496.20	1140.70	834992.40
146	4		16		101.15	74041.80	101.15	74041.80	202.30	148083.60
147	8		32		325.91	237917.40	331.70	242138.40	657.61	480055.80
148	16		64		64.98	47434.80	663.39	484278.20	728.37	531713.00
149	48		192		2607.31	1903337.80	2653.58	1937114.20	5260.89	3840452.00
150	96		384		5462.16	3987373.60	5509.63	4022032.00	10971.79	8009405.60
151	8		60		330.79	241476.20	337.04	246038.80	667.83	487515.00
152	32	244		570.35	417496.20	570.35	417496.20	1140.70	834992.40	
153	64	488		2653.07	1936740.40	2669.89	1949019.80	5322.96	3885760.20	
154	4	30		101.15	74041.80	101.15	74041.80	202.30	148083.60	
155	8	60		330.79	241476.20	337.04	246038.80	667.83	487515.00	
156	16	122		661.57	482949.60	674.09	492083.20	1335.66	975032.80	
157	32	244		570.35	417496.20	570.35	417496.20	1140.70	834992.40	
158	64	488		2653.07	1936740.40	2669.89	1949019.80	5322.96	3885760.20	
159	4	32		101.15	74041.80	101.15	74041.80	202.30	148083.60	
160	8	64		330.79	241476.20	337.04	246040.20	667.83	487516.40	
161	16	122		661.57	482949.60	674.09	492083.20	1335.66	975032.80	
162	36	244		888.25	650199.00	888.25	650199.00	1776.50	1300398.00	

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163		4	8		101.15	74041.80	101.15	74041.80	202.30	148083.60
164		8	16		348.49	254395.40	359.68	262568.60	708.17	516964.00
165		16	32		696.97	508789.40	719.37	525137.20	1416.34	1033926.60
166		36	72		888.25	650199.00	888.25	650199.00	1776.50	1300398.00
167		72	144		6686.75	4881325.40	6856.73	5005415.80	13543.48	9886741.20
168		2	4		26.78	19599.30	26.78	19599.30	53.55	39198.60
169		4	8		101.15	74041.80	101.15	74041.80	202.30	148083.60
170		8	15		337.75	246559.60	337.75	246559.60	675.51	493119.20
171		16	30		701.04	511761.60	730.29	533108.80	1431.33	1044870.40
172		36	60		888.25	650199.00	888.25	650199.00	1776.50	1300398.00
	Middleware as a service	Core	RAM(GB)	Storage(GB)						
173	JBOSS	4	14	100GBSSD	36.58	26773.38	36.58	26773.38	36.58	26773.38
174		8	14	100GBHDD	68.58	49380.00	86.60	63391.68	86.60	63391.68
175		2	4	100GBHDD	19.77	14469.63	19.77	14469.63	19.77	14469.63
176		16	112	800GBSSD	146.89	105760.00	241.18	176543.43	241.18	176543.43
177		4	14	100GBSSD	36.58	26773.38	36.58	26773.38	36.58	26773.38
178		16	112	224GBSSD	142.09	102304.00	232.21	169974.14	232.21	169974.14
179	WildFly	4	14	100GBSSD	11.74	8450.00	22.57	16520.26	22.57	16520.26
180		8	14	100GBHDD	15.69	11300.00	41.61	30457.22	41.61	30457.22
181		2	4	100GBHDD	8.96	6450.00	10.06	7365.68	10.06	7365.68
182		16	112	800GBSSD	41.11	29600.00	164.14	120151.25	164.14	120151.25
183		4	14	100GBSSD	11.74	8450.00	22.57	16520.26	22.57	16520.26
184		16	112	224GBSSD	36.31	26144.00	155.17	113581.96	155.17	113581.96
185	IBM WebSphere MQ 8.0	1	4	8GBSSD	170.81	106474.40	170.81	106474.40	170.81	125033.69
186		2	7	14GBSSD	176.31	109954.30	176.31	109954.30	176.31	129056.50
187		4	12	30GBSSD	346.64	216194.10	346.64	216194.10	346.64	253740.81
188		8	28	56GBSSD	694.22	432972.15	694.22	432972.15	694.22	508168.96
189		16	56	112GBSSD	2728.57	857854.85	2728.57	857854.85	2343.87	1715709.70
190	IBM WebSphere MQ 9.0	4	14	100GBSSD	348.73	216872.40	348.73	216872.40	348.73	255271.57
191		8	14	100GBHDD	694.90	432153.60	694.90	432153.60	694.90	508670.21
192		2	4	100GBHDD	172.64	107365.20	172.64	107365.20	172.64	126375.16
193		16	112	800GBSSD	1457.79	880449.72	1457.79	880449.72	1457.79	1067100.28
194		4	14	100GBSSD	348.75	216872.40	348.75	216872.40	348.75	255281.58
195		16	112	224GBSSD	1448.81	874868.62	1448.81	874868.62	1448.81	1060531.00

Minimum Requirement for All Database as a service components: The proposed solution should be in the form of software, should support managed Database Server with automatic OS & Server updates and management, should support high availability and elastic scaling capabilities based on demand without downtime, should support geo replication with up to four readable secondary databases, should support automatic performance monitoring, index management and tuning, should continuously monitor databases for potentially harmful attempts to access sensitive data such as suspicious database activities, potential vulnerabilities, and SQL injection attacks, and anomalous database access patterns. The proposed solution should support built-in auditing capabilities so as to understand database activity, discrepancies and anomalies, should support Data encryption at rest and in transit. The proposed solution should support dynamic data masking to limit sensitive data

exposure by masking it to non-privileged users, should support row-level security to control access to rows in a database table based on the characteristics of the user executing a query, should support multi factor authentication, should support a built-in backup, monitoring functionality and alert based notification The proposed solution should support role based access control with different capabilities between operational and administrative roles, should support SLA of at least 99.99%
 MS SQL Enterprise as a service: - Prices are from SQL DB Farm with over-provisioning ratio 1:8/Per month.

SECTION-B GCC(2 Years)

SECTION-B DATABASE as a Service					DC-GCC 2 year		DR-GCC 2 year		DC+DR GCC 2 year	
Line Item #	Database Options	Core	RAM(GB)	Storage Type	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate
38	MS SQL Standard as a service	1	2		29.62	21624.74	31.08	22222.00	40.25	22222.00
39		2	4		43.40	22844.00	61.46	22844.00	43.40	22844.00
40		2	8		49.23	23296.00	61.46	23296.00	49.23	23296.00
41		4	16		60.24	24992.00	120.48	24992.00	60.24	24992.00
42		8	32		118.81	49984.00	231.77	49984.00	118.81	49984.00
43		16	64		293.89	99968.00	475.39	99968.00	293.89	99968.00
44		32	128		587.78	199936.00	972.81	199936.00	587.78	199936.00
45		40	160		1175.56	249920.00	1458.86	249920.00	1175.56	249920.00
46		64	256		1175.56	399872.00	1892.08	399872.00	1175.56	399872.00
47		4	30		116.53	26574.00	122.21	26574.00	146.95	26574.00
48		8	60		232.41	53148.00	231.77	53148.00	293.89	53148.00
49		16	122		464.17	106522.00	486.75	106522.00	587.78	106522.00
50		32	244		927.69	213044.00	972.81	213044.00	1175.56	213044.00
51		64	488		1435.87	426088.00	1956.00	426088.00	1435.87	426088.00
52		2	16		58.20	24200.00	61.46	24200.00	58.20	24200.00
53		4	30		79.39	26574.00	122.21	26574.00	79.39	26574.00
54		8	60		158.79	53148.00	231.77	53148.00	158.79	53148.00
55		16	122		317.58	106522.00	486.75	106522.00	317.58	106522.00
56		32	244		635.16	213044.00	927.04	213044.00	635.16	213044.00
57		MS SQL Enterprise as a service	1	2		29.62	21624.74	31.08	22222.00	60.70
58	2		4		58.59	22844.00	61.46	22844.00	120.05	22844.00
59	2		8		58.59	23296.00	61.46	23296.00	120.05	23296.00
60	4		16		116.53	24992.00	122.21	24992.00	175.26	24992.00
61	8		32		232.41	49984.00	231.77	49984.00	350.52	49984.00
62	4		16		116.53	24992.00	122.21	24992.00	175.26	24992.00

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63		8	32		232.41	49984.00	231.77	49984.00	350.52	49984.00
64		16	64		464.17	99968.00	486.75	99968.00	701.04	99968.00
65		40	160		1391.21	249920.00	1458.86	249920.00	2804.17	249920.00
66		64	256		2318.24	399872.00	2430.97	399872.00	2804.17	399872.00
67		4	32		116.53	26800.00	122.21	26800.00	238.75	26800.00
68		8	64		232.41	53600.00	231.77	53600.00	375.51	53600.00
69		16	128		464.17	107200.00	486.75	107200.00	950.93	107200.00
70		32	244		927.69	213044.00	972.81	213044.00	1900.50	213044.00
71		64	488		2318.24	426088.00	2430.97	426088.00	3064.48	426088.00
72		2	16		58.59	24200.00	61.46	24200.00	120.05	24200.00
73		4	30		116.53	26574.00	122.21	26574.00	181.18	26574.00
74		8	60		232.41	53148.00	231.77	53148.00	362.37	53148.00
75		16	122		464.17	106522.00	486.75	106522.00	724.73	106522.00
76		32	244		927.04	213044.00	927.04	213044.00	1449.46	213044.00
77	Postgre Enterprise as a service	1	2		6.05	4415.75	8.21	5996.80	14.26	10412.56
78		2	4		9.32	6818.70	9.32	6818.70	18.63	13637.40
79		2	8		22.15	16213.75	22.15	16213.75	44.30	32427.50
80		2	16		24.37	17786.99	24.53	17955.40	49.06	35910.80
81		4	16		43.99	32203.95	43.99	32203.95	87.99	64407.90
82		4	32		47.20	34458.41	48.75	35688.10	97.51	71376.20
83		8	32		87.77	64247.25	87.77	64247.25	175.54	128494.50
84		16	64		175.40	128395.90	175.40	128395.90	350.81	256791.80
85		40	160		0.00	320718.60	438.14	320718.60	876.28	641437.20
86		64	256		0.00	512915.50	700.70	512915.50	1401.41	1025831.00
87		4	30		47.20	34458.41	48.75	35688.10	97.51	71376.20
88		8	60		92.88	67801.27	97.20	71153.50	194.41	142307.00
89		16	122		184.23	134487.00	194.10	142084.30	388.21	284168.60
90		32	244		366.93	267858.44	387.90	283945.90	772.01	563569.06
91		64	488		0.00	567669.10	775.50	567669.10	1551.01	1135338.20
92		8	60		92.88	67801.27	97.20	71153.50	194.41	142307.00
93		16	122		184.23	134487.00	194.10	142084.30	388.21	284168.60
94		32	244		366.93	267858.44	387.90	283945.90	772.01	563569.06
95	Oracle Standard as a service	1	1		3.53	2587.40	3.53	2587.40	7.07	5174.80
96		1	2		6.42	4703.05	6.42	4703.05	12.85	9406.10
97		2	4		12.54	9182.55	12.54	9182.55	25.09	18365.10
98		2	8		43.91	32141.90	43.91	32141.90	87.82	64283.80
99		4	16		87.60	64123.15	87.60	64123.15	175.20	128246.30
100		8	32		174.98	128084.80	174.98	128084.80	349.96	256169.60
101		2	8		43.91	32141.90	43.91	32141.90	87.82	64283.80

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102		4	16		87.60	64123.15	87.60	64123.15	175.20	128246.30
103		8	32		174.98	128084.80	174.98	128084.80	349.96	256169.60
104		16	64		349.06	255511.70	349.06	255511.70	698.12	511023.40
105		2	16		45.18	33075.20	45.18	33075.20	90.37	66150.40
106		4	32		90.07	65927.70	90.07	65927.70	180.13	131855.40
107		8	64		179.82	131631.85	179.82	131631.85	359.65	263263.70
108		16	122		359.34	263040.15	359.34	263040.15	718.69	526080.30
109		2	16		45.18	33075.20	45.18	33075.20	90.37	66150.40
110		4	32		90.07	65927.70	90.07	65927.70	180.13	131855.40
111		8	64		179.82	131631.85	179.82	131631.85	0.00	0.00
112		16	124		359.34	263040.15	359.34	263040.15	718.69	526080.30
113	MySQL compatible relational database	1	2		5.27	3858.15	5.27	3858.15	10.54	7716.30
114		2	4		10.29	7529.30	10.29	7529.30	20.57	15058.60
115		2	16		24.37	17786.99	26.79	19556.39	51.16	37343.38
116		4	32		56.36	41252.20	51.90	37889.56	112.71	82504.40
117		8	64		92.88	67801.27	102.13	74555.89	195.01	142357.17
118		16	122		184.23	134487.00	202.59	147888.58	386.82	282375.58
119		32	244		366.93	267858.44	403.50	294553.94	770.43	562412.38
120		64	488		897.86	657230.20	897.86	657230.20	1795.71	1314460.40
121		2	16		24.37	17786.99	26.79	19556.39	51.16	37343.38
122		4	32		56.36	41252.20	51.90	37889.56	112.71	82504.40
123		8	64		92.88	67801.27	102.13	74555.89	195.01	142357.17
124		16	122		184.23	134487.00	202.59	147888.58	386.82	282375.58
125		32	244		366.93	267858.44	403.50	294553.94	770.43	562412.38
126	Postgre SQL compatible relational database	2	16		24.37	17786.99	28.31	20713.07	52.74	38500.06
127		4	30		47.20	34458.41	53.49	39046.24	100.69	73504.65
128		8	60		92.88	67801.27	103.72	75712.57	196.59	143513.85
129		16	122		184.23	134487.00	224.66	164447.80	449.31	328895.60
130		32	244		366.93	267858.44	405.08	295710.62	772.01	563569.06
131		64	488		897.86	657230.20	897.86	657230.20	1795.71	1314460.40
132	Data Warehouse as a service	2	8		26.78	19599.30	26.78	19599.30	53.55	39198.60
133		4	16		101.15	74041.80	101.15	74041.80	202.30	148083.60
134		8	32		325.91	237917.40	331.70	242138.40	657.61	480055.80
135		16	64		651.83	475834.80	663.39	484278.20	1315.22	960113.00
136		40	160		2607.31	1903337.80	2653.58	1937112.80	5260.89	3840450.60
137		64	256		2607.31	1903337.80	2653.58	1937112.80	5260.89	3840450.60
138		8	64		330.79	241476.20	337.04	246038.80	667.83	487515.00
139		16	122		661.57	482949.60	674.09	492083.20	1335.66	975032.80
140		32	244		570.35	417496.20	570.35	417496.20	1140.70	834992.40

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141		64	488		2653.07	1936740.40	2669.89	1949019.80	5322.96	3885760.20
142		4	32		101.15	74041.80	101.15	74041.80	202.30	148083.60
143		8	64		330.79	241476.20	337.04	246040.20	667.83	487516.40
144		16	122		661.57	482949.60	674.09	492083.20	1335.66	975032.80
145		32	244		570.35	417496.20	570.35	417496.20	1140.70	834992.40
146		4	16		101.15	74041.80	101.15	74041.80	202.30	148083.60
147		8	32		325.91	237917.40	331.70	242138.40	657.61	480055.80
148		16	64		64.98	47434.80	663.39	484278.20	728.37	531713.00
149		48	192		2607.31	1903337.80	2653.58	1937114.20	5260.89	3840452.00
150		96	384		5462.16	3987373.60	5509.63	4022032.00	10971.79	8009405.60
151		8	60		330.79	241476.20	337.04	246038.80	667.83	487515.00
152		32	244		570.35	417496.20	570.35	417496.20	1140.70	834992.40
153		64	488		2653.07	1936740.40	2669.89	1949019.80	5322.96	3885760.20
154		4	30		101.15	74041.80	101.15	74041.80	202.30	148083.60
155		8	60		330.79	241476.20	337.04	246038.80	667.83	487515.00
156		16	122		661.57	482949.60	674.09	492083.20	1335.66	975032.80
157		32	244		570.35	417496.20	570.35	417496.20	1140.70	834992.40
158		64	488		2653.07	1936740.40	2669.89	1949019.80	5322.96	3885760.20
159		4	32		101.15	74041.80	101.15	74041.80	202.30	148083.60
160		8	64		330.79	241476.20	337.04	246040.20	667.83	487516.40
161		16	122		661.57	482949.60	674.09	492083.20	1335.66	975032.80
162		36	244		888.25	650199.00	888.25	650199.00	1776.50	1300398.00
163		4	8		101.15	74041.80	101.15	74041.80	202.30	148083.60
164		8	16		348.49	254395.40	359.68	262568.60	708.17	516964.00
165		16	32		696.97	508789.40	719.37	525137.20	1416.34	1033926.60
166		36	72		888.25	650199.00	888.25	650199.00	1776.50	1300398.00
167		72	144		6686.75	4881325.40	6856.73	5005415.80	13543.48	9886741.20
168		2	4		26.78	19599.30	26.78	19599.30	53.55	39198.60
169		4	8		101.15	74041.80	101.15	74041.80	202.30	148083.60
170		8	15		337.75	246559.60	337.75	246559.60	675.51	493119.20
171		16	30		701.04	511761.60	730.29	533108.80	1431.33	1044870.40
172		36	60		888.25	650199.00	888.25	650199.00	1776.50	1300398.00
	Middleware as a service	Core	RAM(GB)	Storage(GB)						
173	JBOSS	4	14	100GBSSD	36.58	26773.38	36.58	26773.38	36.58	26773.38
174		8	14	100GBHDD	68.58	49380.00	86.60	63391.68	86.60	63391.68
175		2	4	100GBHDD	19.77	14469.63	19.77	14469.63	19.77	14469.63
176		16	112	800GBSSD	146.89	105760.00	241.18	176543.43	241.18	176543.43
177		4	14	100GBSSD	36.58	26773.38	36.58	26773.38	36.58	26773.38

178		16	112	224GBSSD	142.09	102304.00	232.21	169974.14	232.21	169974.14
179	WildFly	4	14	100GBSSD	11.74	8450.00	22.57	16520.26	22.57	16520.26
180		8	14	100GBHDD	15.69	11300.00	41.61	30457.22	41.61	30457.22
181		2	4	100GBHDD	8.96	6450.00	10.06	7365.68	10.06	7365.68
182		16	112	800GBSSD	41.11	29600.00	164.14	120151.25	164.14	120151.25
183		4	14	100GBSSD	11.74	8450.00	22.57	16520.26	22.57	16520.26
184		16	112	224GBSSD	36.31	26144.00	155.17	113581.96	155.17	113581.96
185	IBM WebSphere MQ 8.0	1	4	8GBSSD	170.81	106474.40	170.81	106474.40	170.81	125033.69
186		2	7	14GBSSD	176.31	109954.30	176.31	109954.30	176.31	129056.50
187		4	12	30GBSSD	346.64	216194.10	346.64	216194.10	346.64	253740.81
188		8	28	56GBSSD	694.22	432972.15	694.22	432972.15	694.22	508168.96
189		16	56	112GBSSD	2728.57	857854.85	2728.57	857854.85	2343.87	1715709.70
190	IBM WebSphere MQ 9.0	4	14	100GBSSD	348.73	216872.40	348.73	216872.40	348.73	255271.57
191		8	14	100GBHDD	694.90	432153.60	694.90	432153.60	694.90	508670.21
192		2	4	100GBHDD	172.64	107365.20	172.64	107365.20	172.64	126375.16
193		16	112	800GBSSD	1457.79	880449.72	1457.79	880449.72	1457.79	1067100.28
194		4	14	100GBSSD	348.75	216872.40	348.75	216872.40	348.75	255281.58
195		16	112	224GBSSD	1448.81	874868.62	1448.81	874868.62	1448.81	1060531.00

Minimum Requirement for All Database as a service components: The proposed solution should be in the form of software, should support managed Database Server with automatic OS & Server updates and management, should support high availability and elastic scaling capabilities based on demand without downtime, should support geo replication with up to four readable secondary databases, should support automatic performance monitoring, index management and tuning, should continuously monitor databases for potentially harmful attempts to access sensitive data such as suspicious database activities, potential vulnerabilities, and SQL injection attacks, and anomalous database access patterns. The proposed solution should support built-in auditing capabilities so as to understand database activity, discrepancies and anomalies, should support Data encryption at rest and in transit. The proposed solution should support dynamic data masking to limit sensitive data exposure by masking it to non-privileged users, should support row-level security to control access to rows in a database table based on the characteristics of the user executing a query, should support multi factor authentication, should support a built-in backup, monitoring functionality and alert based notification The proposed solution should support role based access control with different capabilities between operational and administrative roles, should support SLA of at least 99.99% .

MS SQL Enterprise as a service: - Prices are from SQL DB Farm with over-provisioning ratio 1:8/Per month.

SECTION-C GCC(1 Year)

For Specifications of the below services refer specification section T table-9

Line Item #	SECTION-C ADDITIONAL SERVICES	DC-GCC 1 year		DR-GCC 1 year	DC+DR-GCC 1 year
		Hourly Rates	MONTHLY rate	MONTHLY rate	MONTHLY rate
196	Data warehouse as a service or equivalent	173.85	126911.22	125660.43	252571.65
197	Access control as a service or equivalent	85.00	71500.00	71500.00	143000.00
198	Simple Notification Service or equivalent	1.27	925.40	925.40	1850.80
199	Managed Message Queuing Service or equivalent	85.00	63854.53	63854.53	127709.06
200	Cloud HSM or equivalent	97.35	49583.33	49583.33	99166.67

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201	Big data processing as a service		435.03	313200.00	313200.00	626400.00
202	Cache management as a service or equivalent		66.81	48771.37	48771.37	97542.74
203	Elastic Search or equivalent		31.09	22698.62	22698.62	45397.24
204	Data Streams or equivalent		5.00	8173.96	8173.96	16347.92
205	Simple Workflow Service or equivalent		10.00	33275.49	33275.49	66550.98
206	Cloud Formation or equivalent		9.59	7000.00	7000.00	14000.00
207	Cloud AUDIT Trail or equivalent		178.50	15567.43	15567.43	31134.85
208	Device based Data migration services		425.00	22218.00	22218.00	44436.00
209	Storage Gateway or equivalent		14500.00	12750.00	12750.00	25500.00
210	Web App Hosting as a Service		40.72	11900.00	11900.00	23800.00
211	API as a service		297.50	63544.63	63544.63	127089.26
212	Enterprise Mailing Solution as a service		3000.00	800.00	800.00	1600.00
213	Enterprise Open source Mailing Solution as a service		2400.00	800.00	800.00	1600.00
214	Instant Messaging and Online Meetings		1400.00	400.00	400.00	800.00
215	Online File Storage and Collaboration (Co-Authoring) solution		NA	595.00	595.00	1190.00
216	Cloud based Enterprise Office Productivity suit		NA	795.00	795.00	1590.00
217	Cloud based open source Office Productivity suit		NA	NA	NA	NA
218	SAP Basis support - cover 24x7 support via ticket, chat & email		450.00	3300.00	3300.00	6600.00
219	SAP Basis support - cover 24x7 support via ticket, chat & email		600.00	3300.00	3300.00	6600.00
220	Dual Factor Authentication (Per User)		42.50	1083.33	1083.33	2166.67
221	Dual Factor Authentication Per 5000 Users	NA		21250.00	21250.00	42500.00
222	Dual Factor Authentication Per 50000 Users	NA		170000.00	170000.00	340000.00
223	Triple/Multi Factor Authentication (Per User)	NA		NA	NA	NA
224	Triple/Multi Factor Authentication Per 5000 Users	NA		NA	NA	NA
225	Triple/Multi Factor Authentication Per 50000 Users	NA		NA	NA	NA
226	Business Intelligence tools as a Service (BlaaS) using MS SQL server	NA		NA	NA	NA
227	Pack 1-Small	NA		9350.00	9350.00	18700.00
228	Pack 2 Medium	NA		9350.00	9350.00	18700.00
229	Pack-3 Large	NA		72250.00	72250.00	144500.00
230	Add-on components for BlaaS	NA		30000.00	30000.00	60000.00
231	Additional Report	NA		200000.00	200000.00	400000.00
232	Additional Users	NA		400.00	400.00	800.00
233	Load Balancer as a Service (for each device)		8.24	6013.84	6013.84	12027.68
234	Interoperability as a service		42500.00	-	-	-
	NA---Not Available(rates)					

SECTION-C GCC(2 Year)

For Specifications of the below services refer specification section T table-9

Line Item #	SECTION-C ADDITIONAL SERVICES	DC-GCC 2 year		DR-GCC 2 year	DC+DR-GCC 2 year
		Hourly Rates	MONTHLY rate	MONTHLY rate	MONTHLY rate
196	Data warehouse as a service or equivalent	173.85	126911.22	125660.43	252571.65
197	Access control as a service or equivalent	85.00	71500.00	71500.00	143000.00
198	Simple Notification Service or equivalent	1.27	925.40	925.40	1850.80
199	Managed Message Queuing Service or equivalent	85.00	63854.53	63854.53	127709.06
200	Cloud HSM or equivalent	97.35	49583.33	49583.33	99166.67
201	Big data processing as a service	435.03	313200.00	313200.00	626400.00
202	Cache management as a service or equivalent	66.81	48771.37	48771.37	97542.74
203	Elastic Search or equivalent	31.09	22698.62	22698.62	45397.24
204	Data Streams or equivalent	5.00	8173.96	8173.96	16347.92
205	Simple Workflow Service or equivalent	10.00	33275.49	33275.49	66550.98
206	Cloud Formation or equivalent	9.59	7000.00	7000.00	14000.00
207	Cloud AUDIT Trail or equivalent	178.50	15567.43	15567.43	31134.85
208	Device based Data migration services	425.00	22218.00	22218.00	44436.00
209	Storage Gateway or equivalent	14500.00	12750.00	12750.00	25500.00
210	Web App Hosting as a Service	40.72	11900.00	11900.00	23800.00
211	API as a service	297.50	63544.63	63544.63	127089.26
212	Enterprise Mailing Solution as a service	3000.00	800.00	800.00	1600.00
213	Enterprise Open source Mailing Solution as a service	2400.00	800.00	800.00	1600.00
214	Instant Messaging and Online Meetings	1400.00	400.00	400.00	800.00
215	Online File Storage and Collaboration (Co-Authoring) solution	NA	595.00	595.00	1190.00
216	Cloud based Enterprise Office Productivity suit	NA	795.00	795.00	1590.00
217	Cloud based open source Office Productivity suit	NA	NA	NA	NA
218	SAP Basis support - cover 24x7 support via ticket, chat & email	450.00	3300.00	3300.00	6600.00
219	SAP Basis support - cover 24x7 support via ticket, chat & email	600.00	3300.00	3300.00	6600.00
220	Dual Factor Authentication (Per User)	42.50	1083.33	1083.33	2166.67
221	Dual Factor Authentication Per 5000 Users	NA	21250.00	21250.00	42500.00
222	Dual Factor Authentication Per 50000 Users	NA	170000.00	170000.00	340000.00
223	Triple/Multi Factor Authentication (Per User)	NA	NA	NA	NA
224	Triple/Multi Factor Authentication Per 5000 Users	NA	NA	NA	NA
225	Triple/Multi Factor Authentication Per 50000 Users	NA	NA	NA	NA
226	Business Intelligence tools as a Service (BlaaS) using MS SQL server	NA	NA	NA	NA
227	Pack 1-Small	NA	9350.00	9350.00	18700.00

228	Pack 2 Medium	NA	9350.00	9350.00	18700.00
229	Pack-3 Large	NA	72250.00	72250.00	144500.00
230	Add-on components for BaaS	NA	30000.00	30000.00	60000.00
231	Additional Report	NA	200000.00	200000.00	400000.00
232	Additional Users	NA	400.00	400.00	800.00
233	Load Balancer as a Service (for each device)	8.24	6013.84	6013.84	12027.68
234	Interoperability as a service	42500.00	-	-	-
	NA--Not Available(rates)				

SPECIFICATION SECTION-T Table 1

Table 1- Specification Table		
C	Addition Service	Description-Minimum requirement
		Per USER Per Hour ,Per User Per Month or Per GB per Month or Per million Per months as may be applicable
1	Data warehouse as a service or equivalent	Fully managed data warehouse that makes it simple and cost-effective to analyze all your data using standard SQL and your existing Business Intelligence (BI) tools. It allows you to run complex analytic queries against petabytes of structured data, using sophisticated query optimization, columnar storage on high-performance local disks, and massively parallel query execution.
2	Access control as a service or equivalent	Service lets you add user sign-up, sign-in, and access control to your web and mobile apps quickly and easily. Scales to millions of users and supports sign-in with social identity providers, such as Facebook, Google, and enterprise identity providers via SAML 2.0.
3	Simple Notification Service or equivalent	Simple Notification Service (SNS) is a flexible, fully managed pub/sub messaging and mobile notifications service for coordinating the delivery of messages to subscribing endpoints and clients.
4	Managed Message Queuing Service or equivalent	Simple Queue Service (SQS) is a fully managed message queuing service that makes it easy to decouple and scale micro services, distributed systems, and server less applications. Building applications from individual components that each perform a discrete function improves scalability and reliability and is best practice design for modern applications. SQS makes it simple and cost-effective to decouple and coordinate the components of a cloud application.
5	Cloud HSM or equivalent	CloudHSM is a cloud-based hardware security module (HSM) that enables you to easily generate and use your own encryption keys on the Cloud

6	Big data processing as a service	securely and reliably handles a broad set of big data use cases, including log analysis, web indexing, data transformations (ETL), machine learning, financial analysis, scientific simulation, and bioinformatics.
7	Cache management as a service or equivalent	Cache offers fully managed Redis and Memcached. Seamlessly deploy, operate, and scale popular open source compatible in-memory data stores. Build data-intensive apps or improve the performance of your existing apps by retrieving data from high throughput and low latency in-memory data stores. Cache is a popular choice for Gaming, Ad-Tech, Financial Services, Healthcare, and IoT apps.
8	Elastic Search or equivalent	Search capabilities for web caching and other caching requirements
9	Data Streams or equivalent	Real time data stream processing for IOT and other transactional services
10	Simple Workflow Service or equivalent	Workflow management for sync or async calls
11	Cloud Formation or equivalent	Infrastructure as a code
12	Cloud AUDIT Trail or equivalent	Audit, Server, DNS, Network ,Storage and security devices
13	Device based Data migration services	Data migration device for Bulk Data migration to Cloud - In TB for 10 days
14	Storage Gateway or equivalent	Using edge device for cloud as storage
15	Web App Hosting as a Service	<p>The proposed solution should be in the form of software,should support hosting web applications based on .NET, .NET Core, Java, Ruby, Node.js, PHP or Python or any other language as per department requirement, solution should support manual or automatic scale-out or scale-in based on demand and on schedule,The proposed solution should support autoscale based on cpu, memory, disk, network and web server performance metrics,The proposed solution should support application templates such as WordPress, Joomla or Drupal,The proposed solution should support continuous integration and deployment through popular code repositories such as GitHub and Bitbucket,The proposed solution should support test and staging environments within the same production application instance. The solution should support swapping live sites between test, staging and production environments,The proposed solution should support integration with on-premises systems,The proposed solution should be ISO, SOC and PCI compliant,The proposed solution should support running application code without having to explicitly provision or manage infrastructure and pay only for the compute time that the code actually uses,The proposed solution should support scaling up to larger system configuration or scale down to a smaller system configuration without redeploy the application.The proposed solution should support automatic OS updates and management.The proposed solution should support SSL,TLS mutual authentication, Backup, FTPS, Custom Domains, Application Cloning and Remote Debugging.The proposed solution should support Windows, Linux and container based application hosting.The proposed solution should support a built-in monitoring functionality and alert based notification.The proposed solution should support different routing methods for routing user traffic between various application instances based on priority, weights, geographical location.The proposed solution should support role based access control with different capabilities between operational and administrative roles.</p> <p>The proposed solution should support SLA of at least 99.95%The proposed solution should support content delivery networks for caching static content. The proposed solution should support web application firewalls compliant with OWASP 3.0 ruleset.</p>

16	API as a service	<p>The proposed solution should be in the form of software,The proposed solution should support publishing API's to external, partner, and internal developers,The proposed solution should support a gateway system to accept API calls and route them to api backends, verify API keys, JWT tokens, certificates and other type of credentials, enforce API usage quotas and rate limits, transform API on the fly without code modifications, cache backend responses, log call metadata for analytics purposes,The proposed solution should support administrative portal system to define or import API schema, package APIs into products, set up policies like quotas or transformations on the APIs, get insights from analytics and manage users,The proposed solution should support developer portal system to read API documentation, try out an API via the interactive console, create an account and subscribe to get API keys, access analytics on their own usage,The proposed solution should support a built-in monitoring functionality and alert based notification,The proposed solution should support role based access control with different capabilities between operational and administrative roles,The proposed solution should support SLA of at least 99.9%</p>
		<p>SMS Gateway integration + 1 lakh SMS (Pull/Push)</p>
		<p>Pack of 1 lakh SMS (Pull/Push)</p>
		<p>Payment Gateway integration</p>
		<p>UID integration for authentication</p>
<p>Metadata integration for common database</p>		

<p>17 Enterprise Mailing Solution as a service</p>	<p>The proposed cloud-based enterprise mailing solution should be a commercially available enterprise class SAAS Solution. The proposed enterprise mailing solution should have minimum 100 GB Active Mailbox size capacity for Users. Proposed solution's Cloud infrastructure should be hosted in India based Data Centre, including DR and BCP data centers. No email data sharing/replication should be done to any Data Centre outside the boundaries of the country.</p> <p>The proposed enterprise solution of the bidder should be certified with following ISO & SOC-</p> <ul style="list-style-type: none">a) ISO 27001:2013b) ISO / IEC 20000-1:2011c) SSAE 16/SOC 1 Type I and Type II & SOC 2 Type IId) ISO 9001: 2015e) ISO 27017:2014 & ISO 27018:2014f) Web Content Accessibility Guidelines 2.0 (WCAG 2.0) <p>The enterprise mailing solution should be actively supported by enhancements/bug fixes to the existing solution by the OEM. The proposed enterprise mailing solution should provide high availability and load Balancing and Disaster Recovery capability in built within the Cloud Platform.</p> <p>The Proposed solution should provide access mail services and data via secured internet access through mobility devices – Smartphones, Tablets etc.</p> <p>The proposed enterprise mailing solution should have unlimited mails archival capacity</p> <p>Proposed solution should be able to preserve all mails in the cloud and associated data within the mails even if the user chooses to delete mails from his/her inbox.</p> <p>The solution should provide support to major languages of India at least for Marathi, Hindi and English</p> <p>The proposed enterprise mailing solution should support multiple domains on a single cloud based tenant.</p> <p>Solution should have self healing mechanism to automatically detect service depreciated or unavailable states and take automatic remedial steps like restarting the affected services, failing over user mailbox data to healthy servers etc. without admin intervention.</p> <p>Proposed solution should provide Multi Factor Authentication through 2 Factor Authentication App, Phone Call, Randomly generated pass code or a supported Biometric Device based authentication.</p> <p>Should natively support server-side and client-side calendaring and scheduling, including:</p> <ul style="list-style-type: none">- Checking the online availability of intended attendees for a meeting- Sending of request for meetings- Accept or reject meeting requests- Provide conflict management for meetings- Reply to requests for meeting with a newly proposed time and date- View free busy status of a group of users in a single window and ability to schedule the meeting with all the users in the windows- Should automatically recommend ideal meeting times when all/most people are available. <p>The Enterprise Mail Solution Ability to index Corporate Address book and personal address book alphabetically. All address books must available to the users through rich client, web client and supported mobile devices.</p> <p>The proposed enterprise mailing solution should support accessing mails on popular mobile platforms for Windows, Android and iOS platforms through OEM owned and managed Mobile apps including Mobile App Updates.</p> <p>The proposed enterprise mailing solution should be configured for security policy (Password policies) enforcement and remote erase capability for smartphones to protect data on supported mobile devices</p> <p>The solution should support encryption on device and memory card to prevent unauthorized access of data on supported mobile devices.</p>
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The proposed enterprise mailing solution should provide capability to synchronize personal contacts and should also support global address look up on supported mobile devices
The proposed enterprise mailing solution should allow administrator to remotely fully wipe or selective wipe the user mobile devices via the admin portal.

Should be capable of administration through a single window interface to provide service level control and configuration of the enterprise mailing solution.
Solution should allow to configure Customize Anti-Spam Policies, Solution should provide Built-In Anti-Malware Protection, Solution should allow to configure Customize Anti-Malware Policies,
The proposed solution should provide at least 99.9% Uptime of mailing services
The proposed solution should provide on Online Service Health Dashboard
Solution Service provider should be supported by 24X7 support from OEM on Email and Call support through Administration Portal call logging of Service Requests.
Solution should provide the services through the OEM's latest version of services without requiring any upgrade or additional investments
Proposed Enterprise Mailing Solution Platform should provide the following reports natively:

- a) User-reported messages report
- b) Top malware report
- c) Top senders and recipients report
- d) Spoof mail report
- e) Spam detections report
- f) Sent and received email report

Proposed mailing solution should have native inbuilt security against Zero Day attacks (against unknown malware and viruses) and should provide the following capabilities and should integrated with the proposed Enterprise Mailing Solution Platform natively:
URL Scanning and Safe URL Masking with real time of click protection
Attachments Scanning and removal/quarantine of attachments in case of being malicious protecting against unknown malware and viruses, and provides zero-day protection to safeguard the proposed messaging system.
Spoof Intelligence – detecting when a sender appears to be sending mail on behalf of one or more user accounts within the organization's domains
Quarantine for messages identified as spam, bulk mail, phishing mail, containing malware, or because they matched a mail flow rule
ATP Solution extend coverage for Email service, Online File Storage and Sharing service, Online Portal and Authoring applications
Service natively without the need of any third party component.
Solution should support immediately Delivery of message without delay followed by auto appending of attachment/s once scanned and found to be safe along with a message to user stating the attachment is being scanned

<p>18 Enterprise Open source Mailing Solution as a service</p>	<p>The proposed enterprise mailing solution should have minimum 100 GB Active Mailbox size capacity for Users . Proposed solution's Cloud infrastructure should be hosted in India based Data Centre, including DR and BCP data centers. No email data sharing/replication should be done to any Data Centre outside the boundaries of the country.</p> <p>The proposed enterprise mailing solution should provide high availability and load Balancing and Disaster Recovery capability in built within the Cloud Platform.</p> <p>The Proposed solution should provide access mail services and data via secured internet access through mobility devices – Smartphones, Tablets etc.</p> <p>The proposed enterprise mailing solution should have unlimited mails archival capacity</p> <p>Proposed solution should be able to preserve all mails in the cloud and associated data within the mails even if the user chooses to delete mails from his/her inbox.</p> <p>The solution should provide support to major languages of India at least for Marathi, Hindi and English,The proposed enterprise mailing solution should support multiple domains on a single cloud based tenant. Solution should have self healing mechanism to automatically detect service depreciated or unavailable states and take automatic remedial steps like restarting the affected services, failing over user mailbox data to healthy servers etc. without admin intervention.</p> <p>Proposed solution should provide Multi Factor Authentication through 2 Factor Authentication App, Phone Call, Randomly generated pass code or a supported Biometric Device based authentication.</p> <p>Should natively support server-side and client-side calendaring and scheduling.</p> <p>The Enterprise Mail Solution Ability to index Corporate Address book and personal address book alphabetically. All address books must available to the users through rich client, web client and supported mobile devices. The proposed enterprise mailing solution should support accessing mails on popular mobile platforms for Windows, Android and iOS platforms through OEM owned and managed Mobile apps including Mobile App Updates.</p> <p>The proposed enterprise mailing solution should be configured for security policy (Password policies) enforcement and remote erase capability for smartphones to protect data on supported mobile devices. The solution should support encryption on device and memory card to prevent unauthorized access of data on supported mobile devices. The proposed enterprise mailing solution should provide capability to synchronize personal contacts and should also support global address look up on supported mobile devices.The proposed enterprise mailing solution should allow administrator to remotely fully wipe or selective wipe the user mobile devices via the admin portal.</p> <p>Should be capable of administration through a single window interface to provide service level control and configuration of the enterprise mailing solution.</p> <p>Solution should allow to configure Customize Anti-Spam Policies, Solution should provide Built-In Anti-Malware Protection, Solution should allow to configure Customize Anti-Malware Policies,</p> <p>The proposed solution should provide at least 99.9% Uptime of mailing services</p> <p>The proposed solution should provide on Online Service Health Dashboard</p> <p>Solution Service provider should be supported by 24X7 support from OEM on Email and Call support through Administration Portal call logging of Service Requests.</p> <p>Solution should provide the services through the OEM's latest version of services without requiring any upgrade or additional investments</p>
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<p>19 Instant Messaging and Online Meetings</p>	<p>The proposed solution should be a commercially available enterprise class SAAS Solution. Proposed solution's Cloud infrastructure should be hosted in India based Data Centre, including DR and BCP data centers. No data sharing/replication should be done to any Data Centre outside the boundaries of the country. The proposed enterprise solution of the bidder should be certified with following ISO & SOC-</p> <ul style="list-style-type: none">a) ISO 27001:2013b) ISO / IEC 20000-1:2011c) SSAE 16/SOC 1 Type I and Type II & SOC 2 Type IId) ISO 9001: 2015e) ISO 27017:2014 & ISO 27018:2014f) Web Content Accessibility Guidelines 2.0 (WCAG 2.0) <p>The proposed solution should provide high availability and load Balancing and Disaster Recovery capability in built within the Cloud Platform with 99.9% uptime</p> <p>The Proposed solution should provide access services and data via secured internet access through mobility devices – Smartphones, Tablets etc through a OEM owned first party App including App updates.</p> <p>Ability to provide conferencing—that is, simultaneous shared communication— between 2 to 250 parties with any combination of the following five functional types:</p> <ul style="list-style-type: none">a) Voice over IP communicationsb) Video communicationsc) Web collaboration via presentation of documents, applications, and desktops including Desktop Sharing and Application Sharingd) Web collaboration via joint editing and control of documents, applications, and desktopse) Whiteboard, with the ability to cut and- paste content of any typef) Allow File Transfer during the user sessiong) Allow Address Book Integration for user search and Org Hierarchy view in contact cardh) Allow Calendar Integration with Enterprise Mail and Messaging solution native integrationi) Presence integration into Mailing, Portal, Authoring Applications (Office Applications) and other proposed solution to see Free/Busy and Current Status information and initiate a Chat/Audio Video Meeting instantaneously <p>Ability to record conferences for later reviews, optionally to include collaborative content, voice, and/or video. Ability to publish these recordings to a location that is accessible by others.</p> <p>Ability to integrate with supported room based video conferencing system that can be directly registered as a end point to cloud based proposed Online Meeting and Instant Messaging solution</p> <p>Cloud based collaborative solution should mandatorily support meeting joining experience from all the latest browser and delivers a full online meeting experience including IM, voice, multiparty video, data collaboration and sharing</p> <p>Ability of the cloud based Online Meeting and Instant Messaging solution to support a meeting to upto 250 participants in a single session</p> <p>Ability of the attendees of cloud-based broadcast to connect on thick client or on mobile & on browser</p> <p>Ability to record meeting in the cloud & making it available for future reference</p> <p>Ability of the cloud based Online Meeting and Instant Messaging solution broadcast meeting organizer to set the attendee joining experience as authenticated or as anonymous</p> <p>Proposed Solution should allow File Sharing through the IM and Meeting applications both through basic Rich Client and through Browser interfaces</p> <p>Proposed Solution should allow taking remote of the end point through Client application</p> <p>Proposed Solution should have an inbuilt centralised Admin console for Administration and Reporting</p>
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		<p>Solution Service provider should be supported by 24X7 support from OEM on Email and Call support through Administration Portal call logging of Service Requests.</p>
<p>20</p>	<p>Online File Storage and Collaboration (Co-Authoring) solution</p>	<p>The proposed solution should be a commercially available SAAS Solution. Proposed solution's Cloud infrastructure should be hosted in India based Data Centre, including DR and BCP data centers. No data sharing/replication should be done to any Data Centre outside the boundaries of the country. The proposed enterprise solution of the bidder should be certified with following ISO & SOC-</p> <ol style="list-style-type: none"> a) ISO 27001:2013 b) ISO / IEC 20000-1:2011 c) SSAE 16/SOC 1 Type I and Type II & SOC 2 Type II d) ISO 9001: 2015 e) ISO 27017:2014 & ISO 27018:2014 <p>Web Content Accessibility Guidelines 2.0 (WCAG 2.0) The proposed solution should be actively supported by enhancements/bug fixes to the existing solution by the OEM. There should be future roadmap of the solution for next 5+ years. The Proposed solution should not include any individual components running on Beta version The proposed solution should provide high availability and load Balancing and Disaster Recovery capability in built within the Cloud Platform with 99.9% uptime The Proposed solution should provide access services and data via secured internet access through mobility devices – Smartphones, Tablets etc. For Regular users, the proposed Solution should provide minimum of 1TB (extendable upto 5TB) of Online Cloud Storage per user and Sync Capabilities of Data within User End Points (Laptop/Desktops) and Online Cloud Storage (without any third-party component) For Senior users (Selective User Profiles – SDC to do user profiling), the proposed Solution should provide unlimited Online Cloud Storage capacities per user and Sync Capabilities of Data within User End Points (Laptop/Desktops) and Online Cloud Storage (without any third-party component) The proposed solution should allow users to access documents/Spreadsheets/PowerPoint and other standard Office file formats and edit simultaneously i.e. should support Co-authoring by multiple users on real time basis The proposed Solution should allow Desktop, Mobile Apps (Android, iOS and Windows) and Browser based access and experience of Online Cloud based File Storage Proposed Solution should have an inbuilt centralized Admin console for Administration and Reporting Proposed solution should allow users to attach the documents from the Online Cloud based File Storage and Sharing platform into the proposed email solution as Placeholders (placeholder with file Link within the Online Cloud storage) without attaching the original file and hence allow mail size optimization along with automated versioning in case of file updates.</p>

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21	Cloud based Enterprise Office Productivity suit	<p>The proposed subscription should provide service for the latest version of the Office (desktop/laptop installed) applications and browser based (Online) access of the following authoring applications Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Microsoft OneNote, Microsoft Outlook, Microsoft Publisher, Microsoft Access, Microsoft Skype for Business Client Office coverage for iOS, Android and Windows SmartPhones and Tablets with per user subscription install rights of Office on 5 PCs or Macs, 5 tablets (Windows, iPad, and Android), and 5 phones Should provide 1 TB of Cloud based storage per user subscription Browser based access to these authoring applications Proposed solution should allow Self Service Business Intelligence Capabilities in Excel allowing user to use capabilities like Power Query, model and analyze the data with Power Pivot, and visualize insights in interactive reports and maps with Power View and Power Map Solution should not need to pay for version upgrades; updates should be included in the subscription along with new features rollout regularly Should allow centralised deployment and management. Solution Service provider should be supported by 24X7 support from OEM on Email and Call support through Administration Portal call logging of Service Requests.</p>
22	Cloud based open source Office Productivity suit	<p>Office coverage for iOS, Android and Windows SmartPhones and Tablets with per user subscription install rights of Office, tablets and Phones Solution should not need to pay for version upgrades; updates should be included in the subscription along with new features rollout regularly Should allow centralised deployment and management. Solution Service provider should be supported by 24X7 support from OEM on Email and Call support through Administration Portal call logging of Service Requests.</p>
23	SAP Basis support - cover 24x7 support via ticket, chat & email	SAP Basis support for Non HANA - Rate X Per user X Per VM/Per month
24	SAP Basis support - cover 24x7 support via ticket, chat & email	SAP Basis support for HANA - Per instance Per hour rate
25	Dual Factor Authentication (Per User)	
26	Dual Factor Authentication Per 5000 Users	
27	Dual Factor Authentication Per 50000 Users	
28	Triple/Multi Factor Authentication (Per User)	

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29	Triple/Multi Factor Authentication Per 5000 Users	
30	Triple/Multi Factor Authentication Per 50000 Users	
31	Business Intelligence tools as a Service (BlaaS) using MS SQL server	Service Offering required as below.
Pack 1-Small		
Total Records/Rows		5000000
Users		10
Custom Reports/Dashboard		4
No. of Databases		2
Reporting Parameters		30
Scheduled Emails		Unlimited
Export to excel and ppt		Unlimited
Helpdesk Support		9:00-18:00
Training and Handholding		2 days
Pack 2 Medium		
Total Records/Rows		20000000
Users		50
Custom Reports/Dashboard		8
No. of Databases		5
Reporting Parameters		70
Scheduled Emails		Unlimited
Export to excel and ppt		Unlimited
Helpdesk Support		9:00-18:00
Training and Handholding		4 days
Pack-3 Large		
Total Records/Rows		50000000
Users		100
Custom Reports/Dashboard		12
No. of Databases		9
Reporting Parameters		120
Scheduled Emails		Unlimited
Export to excel and ppt		Unlimited

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	Helpdesk Support	9:00-18:00
	Training and Handholding	8 days
32	Add-on components for BaaS	
	Additional Report	
	Additional Users	
33	Load Balancer as a Service (for each device)	
34	Interoperability as a service	<p>For SaaS, user interfaces, APIs, protocols and data formats are interoperable as defined for cloud services. Whenever possible, support for standard APIs, protocols, and data formats should be supported. cloud service provider supports key open technologies (open standards and/or open source) for admin and business interfaces</p> <p>Should support implementing an Enterprise Service Bus (ESB) to perform interface, protocol, and data transformations to address differences between cloud services from different providers, to ensure that the application dependencies (web server, database server, etc.) supported by different cloud service providers are compatible.</p> <p>The proposed solution should support use of an intermediary, an “inter-cloud provider”, to help address and solve the issues of integration, interoperability and portability of multiple cloud services. Alternatively, should support use of tools such as CMPs that can integrate with multiple cloud services</p> <p>Ensure that services provided by the cloud service providers should support and leverage SOA design principles and can utilize and expose APIs to enable interoperability. Ensure that the security technologies supported by the second cloud service are usable by the first cloud service when it uses the capabilities of the second cloud service during interoperability.</p>

Tier 2 Empanelment Rates
Tier 2 Empanelment Rates for Government Circular No.: **मातंस - 060/3/2017/2**

Public Cloud

SECTION-A(1 Year)

		Public Cloud			Virtual Private Cloud			Government Community Cloud		
SECTION-A										
Line Item #	Line Items	DC-Public Cloud 1 year	DR-Public Cloud 1 year	DC+DR-Public Cloud 1 year	DC-Virtual Private Cloud 1 year	DR-Virtual Private Cloud 1 year	DC+DR-Virtual Private Cloud 1 year	DC-GCC 1 year	DR-GCC 1 year	DC+DR-GCC 1 year
Service Type		Feature			Included					
	Networking	Network Segment- VLAN			Up to 5 Vm-1 network segment 5 to 10 Vm-2 network Segments 10-15 Vm-3 Network Segments 15-20 Vm-4 network segments					
		Networking - Load Balancing-Active Active			Included					
		Networking - Switching & Routing			Included					
		Managed Firewall(WAF), Non std encoding, session mgmt.			Included					
	Administration	One Sub Admin Account			Included					
	Operating System options	RedHat Enterprise Linux 7 or above CentOS operating System Ubuntu Operating System SUSE Linux operating system Microsoft Windows Server 2012			Included					
		Public IP			1 network segment-1 2 network Segments-2 3 network Segments- 3 4 network Segments- 4					
	Security	SSL (DV+OV)			1	included				
		IAM + console			1	included				

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Backup								100 GB per VM						1		included								
	VM	c	RA	Stor	HOU	MON	HOUR	MON	HOU	MON	HOU	MONT	HOUR	MON	HOUR	MON	HOU	MON	HOU	MON	HOU	MON	HOU	
		p	M	age	RLY	THLY	LY	THLY	RLY	THLY	RLY	HLY	LY	THLY	LY	THLY	RLY	THLY	RLY	THLY	RLY	THLY	RLY	THLY
		u		(GB)	rate	rate	Rate	rate	rate	rate	rate	rate	Rate	Rate	rate	rate	rate	rate	rate	rate	rate	rate	rate	rate
1	Pack 1	1	1	50	8.19	5,900	6.53	4,700.00	13.26	9,550.00	8.19	5,900	6.53	4,700.00	13.26	9,550.00	8.19	5,900	6.53	4,700.00	13.26	9,550.00	8.19	5,900
2	Pack 2	1	2	100	8.54	6,150	6.88	4,950.00	13.96	10,050.00	8.54	6,150	6.88	4,950.00	13.96	10,050.00	8.54	6,150	6.88	4,950.00	13.96	10,050.00	8.54	6,150
3	Pack 3	2	4	100	8.96	6,450	7.29	5,250.00	14.79	10,650.00	8.96	6,450	7.29	5,250.00	14.79	10,650.00	8.96	6,450	7.29	5,250.00	14.79	10,650.00	8.96	6,450
4	Pack 4	2	8	150	9.72	7,000	8.06	5,800.00	16.32	11,750.00	9.72	7,000	8.06	5,800.00	16.32	11,750.00	9.72	7,000	8.06	5,800.00	16.32	11,750.00	9.72	7,000
5	Pack 5	2	16	150	10.83	7,800	9.17	6,600.00	18.54	13,350.00	10.83	7,800	9.17	6,600.00	18.54	13,350.00	10.83	7,800	9.17	6,600.00	18.54	13,350.00	10.83	7,800
6	Pack 6	4	4	200	10.35	7,450	8.68	6,250.00	17.57	12,650.00	10.35	7,450	8.68	6,250.00	17.57	12,650.00	10.35	7,450	8.68	6,250.00	17.57	12,650.00	10.35	7,450
7	Pack 7	4	8	250	11.11	8,000	9.44	6,800.00	19.10	13,750.00	11.11	8,000	9.44	6,800.00	19.10	13,750.00	11.11	8,000	9.44	6,800.00	19.10	13,750.00	11.11	8,000
8	Pack 8	4	16	250	12.22	8,800	10.56	7,600.00	21.32	15,350.00	12.22	8,800	10.56	7,600.00	21.32	15,350.00	12.22	8,800	10.56	7,600.00	21.32	15,350.00	12.22	8,800
9	Pack 9	6	6	300	14.10	10,150	12.43	8,950.00	25.07	18,050.00	14.10	10,150	12.43	8,950.00	25.07	18,050.00	14.10	10,150	12.43	8,950.00	25.07	18,050.00	14.10	10,150
10	Pack 10	6	12	350	15.14	10,900	13.47	9,700.00	27.15	19,550.00	15.14	10,900	13.47	9,700.00	27.15	19,550.00	15.14	10,900	13.47	9,700.00	27.15	19,550.00	15.14	10,900
11	Pack 11	8	8	400	16.10	11,600	14.44	10,400.00	28.47	20,500.00	16.10	11,600	14.44	10,400.00	28.47	20,500.00	16.10	11,600	14.44	10,400.00	28.47	20,500.00	16.10	11,600
12	Pack 12	8	16	450	17.64	12,700	15.97	11,500.00	31.53	22,700.00	17.64	12,700	15.97	11,500.00	31.53	22,700.00	17.64	12,700	15.97	11,500.00	31.53	22,700.00	17.64	12,700
13	Pack 13	8	32	450	20.42	14,700	18.75	13,500.00	37.08	26,700.00	20.42	14,700	18.75	13,500.00	37.08	26,700.00	20.42	14,700	18.75	13,500.00	37.08	26,700.00	20.42	14,700
14	Pack 14	12	12	500	17.78	12,800	16.11	11,600.00	31.81	22,900.00	17.78	12,800	16.11	11,600.00	31.81	22,900.00	17.78	12,800	16.11	11,600.00	31.81	22,900.00	17.78	12,800
15	Pack 15	24	24	550	20.00	14,400	18.33	13,200.00	36.25	26,100.00	20.00	14,400	18.33	13,200.00	36.25	26,100.00	20.00	14,400	18.33	13,200.00	36.25	26,100.00	20.00	14,400
16	Pack 16	16	16	600	19.44	14,000	17.78	12,800.00	35.14	25,300.00	19.44	14,000	17.78	12,800.00	35.14	25,300.00	19.44	14,000	17.78	12,800.00	35.14	25,300.00	19.44	14,000
17	Pack 17	32	32	650	22.36	16,100	20.69	14,900.00	40.97	29,500.00	22.36	16,100	20.69	14,900.00	40.97	29,500.00	22.36	16,100	20.69	14,900.00	40.97	29,500.00	22.36	16,100
18	Pack 18	64	64	700	55.16	39,713	53.49	38,513.00	106.56	76,726.00	55.16	39,713	53.49	38,513.00	106.56	76,726.00	55.16	39,713	53.49	38,513.00	106.56	76,726.00	55.16	39,713
19	Pack 19	128	128	750	88.63	63,813	86.96	62,613.00	173.51	124,926.00	88.63	63,813	86.96	62,613.00	173.51	124,926.00	88.63	63,813	86.96	62,613.00	173.51	124,926.00	88.63	63,813
20	Pack 20	256	256	800	155.43	111,913	153.77	110,713.00	307.12	221,126.00	155.43	111,913	153.77	110,713.00	307.12	221,126.00	155.43	111,913	153.77	110,713.00	307.12	221,126.00	155.43	111,913

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21	Bandwidth-Plan 1- upto 100 GB	800
22	Bandwidth-Plan 2- upto 500 GB	4000
23	Bandwidth-Plan 3- upto 1000 GB	8000
24	Additional data transfer tariff per GB	8

SECTION-A (2 Year)

Line Item #	Sec-A	Line Items			Public Cloud						Virtual Private Cloud						Government Community Cloud					
					DC-Public Cloud 2 year		DR-Public Cloud 2 year		DC+DR-Public Cloud 2 year		DC-Virtual Private Cloud 2 year		DR-Virtual Private Cloud 2 year		DC+DR-Virtual Private Cloud 2 year		DC-GCC 2 year		DR-GCC 2 year		DC+DR-GCC 2 year	
					HOU RLY rate	MON THLY rate	HOU RLY rate	MON THLY rate	HOU RLY rate	MON THLY rate	HO U RL	MON THLY rate	HOU RLY rate	MON THLY rate	HOU RLY rate	MON THLY rate	HOU RLY rate	MON THLY rate	HOU RLY rate	MO N THL v	HOU RLY rate	MO N THL v
1	Pack 1	1	1	50	8.19	5,900	6.53	4700.00	13.26	९,५५०.००	8.19	5,900	6.53	4700.00	13.26	९,५५०.००	8.19	5,900	6.53	4700.00	13.26	९,५५०.००
2	Pack 2	1	2	100	8.54	6,150	6.88	4950.00	13.96	१०,०५०.००	8.54	6,150	6.88	4950.00	13.96	१०,०५०.००	8.54	6,150	6.88	4950.00	13.96	१०,०५०.००
3	Pack 3	2	4	100	8.96	6,450	7.29	5250.00	14.79	१०,६५०.००	8.96	6,450	7.29	5250.00	14.79	१०,६५०.००	8.96	6,450	7.29	5250.00	14.79	१०,६५०.००
4	Pack 4	2	8	150	9.72	7,000	8.06	5800.00	16.32	११,७५०.००	9.72	7,000	8.06	5800.00	16.32	११,७५०.००	9.72	7,000	8.06	5800.00	16.32	११,७५०.००
5	Pack 5	2	16	150	10.83	7,800	9.17	6600.00	18.54	१३,३५०.००	10.83	7,800	9.17	6600.00	18.54	१३,३५०.००	10.83	7,800	9.17	6600.00	18.54	१३,३५०.००
6	Pack 6	4	4	200	10.35	7,450	8.68	6250.00	17.57	१२,६५.००	10.35	7,450	8.68	6250.00	17.57	१२,६५.००	10.35	7,450	8.68	6250.00	17.57	१२,६५.००
7	Pack 7	4	8	250	11.11	8,000	9.44	6800.00	19.10	१३,७५०.००	11.11	8,000	9.44	6800.00	19.10	१३,७५०.००	11.11	8,000	9.44	6800.00	19.10	१३,७५०.००
8	Pack 8	4	16	250	12.22	8,800	10.56	7,600.00	21.32	१५,३५०.००	12.22	8,800	10.56	7,600.00	21.32	१५,३५०.००	12.22	8,800	10.56	7,600.00	21.32	१५,३५०.००
9	Pack 9	6	6	300	14.1	10,150	12.43	8,950.00	25.07	१८,०५०.००	14.1	10,150	12.43	8,950.00	25.07	१८,०५०.००	14.1	10,150	12.43	8,950.00	25.07	१८,०५०.००
10	Pack 10	6	12	350	15.14	10,900	13.47	9,700.00	27.15	१९५५०.००	15.14	10,900	13.47	9,700.00	27.15	१९५५०.००	15.14	10,900	13.47	9,700.00	27.15	१९५५०.००
11	Pack 11	8	8	400	16.11	11,600	14.44	10400.00	28.47	२०,५००.००	16.11	11,600	14.44	10400.00	28.47	२०,५००.००	16.11	11,600	14.44	10400.00	28.47	२०,५००.००

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12	Pack 12	8	16	450	17.64	12,700	15.97	11,500.00	31.53	२२,७००.००	17.64	12,700	15.97	11,500.00	31.53	२२,७००.००	17.64	12,700	15.97	11,500.00	31.53	२२,७००.००
13	Pack 13	8	32	450	20.42	14,700	18.75	13,500.00	37.08	२६,७००.००	20.42	14,700	18.75	13,500.00	37.08	२६,७००.००	20.42	14,700	18.75	13,500.00	37.08	२६,७००.००
14	Pack 14	12	12	500	17.78	12,800	16.11	11,600.00	31.81	२२,९००.००	17.78	12,800	16.11	11,600.00	31.81	२२,९००.००	17.78	12,800	16.11	11,600.00	31.81	२२,९००.००
15	Pack 15	24	24	550	20	14,400	18.33	13,200.00	36.25	२६,९००.००	20	14,400	18.33	13,200.00	36.25	२६,९००.००	20	14,400	18.33	13,200.00	36.25	२६,९००.००
16	Pack 16	16	16	600	19.44	14,000	17.78	12,800.00	35.14	२५,३००.००	19.44	14,000	17.78	12,800.00	35.14	२५,३००.००	19.44	14,000	17.78	12,800.00	35.14	२५,३००.००
17	Pack 17	32	32	650	22.36	16,100	20.69	14,900.00	40.97	२९,५००.००	22.36	16,100	20.69	14,900.00	40.97	२९,५००.००	22.36	16,100	20.69	14,900.00	40.97	२९,५००.००
18	Pack 18	64	64	700	55.16	39,713	53.49	38,513.00	106.56	७६,७२६.००	55.16	39,713	53.49	38,513.00	106.56	७६,७२६.००	55.16	39,713	53.49	38,513.00	106.56	७६,७२६.००
19	Pack 19	12	12	750	88.63	63,813	86.96	62,613.00	173.51	१२४,९२६.००	88.63	63,813	86.96	62,613.00	173.51	१२४,९२६.००	88.63	63,813	86.96	62,613.00	173.51	१२४,९२६.००
20	Pack 20	25	25	800	153.77	111,913	153.77	110,713.00	307.12	२२९,९२६.००	153.77	111,913	153.77	110,713.00	307.12	२२९,९२६.००	153.77	111,913	153.77	110,713.00	307.12	२२९,९२६.००
21	Bandwidth-Plan 1- upto 100 GB		800																			
22	Bandwidth-Plan 2- upto 500 GB		4000																			
23	Bandwidth-Plan 3- upto 1000 GB		8000																			
24	Additional data transfer tariff per GB		8																			

SECTION-B

Line Item #	SECTION- B STORAGE	Line Items	MONTHLY rate per Unit
25	Object storage	50 GB	100
26		500 GB	1000
27		1000 GB	2000
28		10 TB	16000
29	File storage	50 GB	125
30		500 GB	1250
31		1000 GB	2500

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32		10 TB		20000
33	Archive storage	50 GB		75
34		500 GB		750
35		1000 GB		1500
36		10 TB		12000
37		DISK storage	50 GB	<= 120 IOPS
38	121 to 400 IOPS			100
39	401 to 800 IOPS			100
40	801 to 1200 IOPS			100
41	1201 to 2000 IOPS			300
42	> 5000 IOPS			300
43	500 GB		<= 120 IOPS	1000
44			121 to 400 IOPS	1000
45			401 to 800 IOPS	1000
46			801 to 1200 IOPS	1000
47			1201 to 2000 IOPS	3000
48			> 5000 IOPS	3000
49	1000 GB		<= 120 IOPS	2000
50			121 to 400 IOPS	2000
51			401 to 800 IOPS	2000
52			801 to 1200 IOPS	2000
53			1201 to 2000 IOPS	6000
54			> 5000 IOPS	6000
55	10 TB		<= 120 IOPS	16000
56			121 to 400 IOPS	16000
57			401 to 800 IOPS	16000
58			801 to 1200 IOPS	16000
59			1201 to 2000 IOPS	48000
60			> 5000 IOPS	48000

SECTION-C

Line Item #	SECTION-C DATABASE	Database Options	No. of Licenses required	MONTHLY rate per Unit
61	Postgre Enterprise		4	3,412.00
62			5 to 8	3,412.00
63			> 8	3,412.00
64	MySQL 4 socket, 8 socket, 16 socket and 32 socket		4 socket	
65			8 socket	
66			16 socket	
67			32 socket	
68	MySQL Standard		4	6,489.00
69			5 to 8	5,948.00
70			> 8	5,408.00
71	MySQL Enterprise		4	16,222.00
72			5 to 8	14,871.00
73			> 8	13,519.00
74	MSSQL 2012 Standard		4	7,000.00
75			5 to 8	7,000.00
76			> 8	7,000.00
77	MSSQL 2012 Enterprise		4	27,000.00
78			5 to 8	27,000.00
79			> 8	27,000.00
80	Oracle Standard		4	18,168.00
81			5 to 8	18,168.00
82			> 8	18,168.00
83	Oracle Enterprise		4	27,043.00
84			5 to 8	27,043.00

85		> 8	27,043.00
86	NoSQL Enterprise	100	11,969.00
87		101 to 500	11,969.00
88		501 to 1000	23,937.00
89		> 1000	47,874.00
90		IBM DB2 v 10.5 or above	2
91	4		99,400.00
92	10		99,400.00
93	> 10		99,400.00
94	NoSQL DB	100	11,969.00
95		101 to 500	11,969.00
96		501 to 1000	23,937.00
97		> 1000	47,874.00
98	MySQL & Postgre SQL compatible relational database	4	6,489.00
99		5 to 8	5,948.00
100		> 8	5,408.00

SECTION-D
SECTION D

Media transcoding at 99.9% availability				
Quality	Multiplier		Priceperoutputminuteifservicetakenfor1year	Priceperoutputminuteifservicetakenfor2year
SD(1280X720)	1X	per output minute	2	2
HD (1280 × 720–1920 x 1080)	2X	per output minute	4	4
UHD(morethan1920x1080,upto4096x 2160)	4X	per output minute	8	8
Audio only output	0.25X	per output minute	1	1

SECTION-E

Line Item #	SECTION-E SERVICES			Price per Unit per Month if services taken for 1 year		Price per Unit per Month if services taken for 2 years
105	Scalability	Virtual Machine Scale Sets/Auto Scaling	1 unit of 5 VMs	10		10
106	DNS	DNS Management	1	75		75
		price quoted is for per DNS entry				
107	AD	Active Directory Services price quoted is for per User.	1	25		25
108	VPN	VPN / Gateway	2 ports per VPN	300		300
		SITE to SITE Point to Point				
109	API	API Gateway/ Management	1	15,000		15,000
110		Email gateway				
	Email/SMS	prices quoted are for open source email solution	1 account with 10 GB	70		70
111		SMS gateway	1 lakh sms per month	11,000		11,000
112		Additional public IP Addresses	1	300		300
113	DASHBOARDS	Network Monitoring dash Board (Per Device/instance)	1	300		300
114		Backup agent	1	500		500
	BACKUP Services	Backup management and monitoring	1	1,000		2,000
		Back up Restoration	1	1,000		1,000
115		Bulk Data Transfer	1 TB	3,000		3,000
116	DATA TRANSFER	DATA SYNC service				
		Prices quoted are for data sync Between ESDS Data centers.	1 TB	2,500		2,500
117	Developer Tools	Tools & SDKs or equivalent	1 instance	51,000		51,000
		Code Deploy and commit tools or equivalent	1 instance	51,000		51,000

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118		Mobile Hub or equivalent	1	11,000		11,000
119	Mobile Services	Mobile SDK	1	11,000		11,000
120		Container /Registry	1	51,000		51,000
121	Office 365(Email Service with 100 GB Mail Box for primary and archival, Multiparty Video conferencing on PC, Laptop and tablets, personal data storage sync from PC to cloud, office productivity , search capabilities) or equivalent		1	1,300		1,300

SECTION-F

Line Item #	SEC- F- Bare Metal Servers		RateperMonthper Unit (Rs)if services takenfor1year	RateperMonthperUnit (Rs)if servicetakenfor 2year
122	Intel Xeon E7-8890 v4 (192 Cores, 2.20 GHz),8192GB RAM (8192GB maximum), Up to 29 Internal Hard Drives Up to 10Gbps maximum Port Speeds, Redundant Power Supplies, Hypervisor Licenses, network connectivity to internet or Cloud infrastructure	1	537,389	510,520
123	Quad Intel Xeon E7-4890 v2 (60 Cores, 2.80 GHz) 2048GB RAM (2048GB maximum) Up to 24 Internal Hard Drives Up to 10Gbps maximum Port Speeds Redundant Power Supplies Hypervisor Licenses, network connectivity to internet or Cloud infrastructure	1	142,271	135,158
124	Intel Xeon E5-2690 v4, Dual Intel Xeon E5-2690 v4 (28 Cores, 2.60 GHz) 256GB RAM (256GB maximum) Up to 2 Internal Hard Drives Up to 10Gbps maximum Port Speeds Redundant Power Supplies Hypervisor Licenses, network connectivity to internet or Cloud infrastructure	1	41,654	39,571

SECTION-G

Monthly Data Transfer charges for government community cloud deployment model				
	Data transfer allowed per month	Qty.	Rate per Month per Unit (Rs)if services taken for 1 year	Rate per Month per Unit (Rs)if services taken for 2 year
Plan 1	Up to 100 GB	1	400	300
Plan 2	up to 500 GB	1	2,000	1,500
Plan 3	up to 1000 GB	1	3,000	3,000
Additional data transfer tariff per GB			4	4

Additional Resources Pricing for government community Cloud Deployment Model	
Additional resources	Tariff (per month) for additional resource
1 Virtual CPU	150
1 GB RAM	150
Storage in minimum block of 50 GB	200
Additional network segment (per VLAN)	1
Additional 1 IP	300
Additional 1 sub-admin account	100

Managed Service Provider Service Charges for government community cloud deployment model	
Service	Rate (% of monthly payment) subject to upper cap of 5%
Managed Service Provider charges	5%

Tier 2 Empanelment Rates (Cloud 2.0) Public Cloud, VPC, GCC Rates for Section A- 1 year

SECTION-A Virtual Server											
Service Type				Feature				Included			
Networking				Network Segment- VLAN				Up to 5 Vm-1 network segment			
								5 to 10 Vm-2 network Segments			
								10-15 Vm-3 Network Segments			
								15-20 Vm-4 network segments			
				Networking - Load Balancing- Active Active				Included			
				Networking - Switching & Routing				Included			
				Managed Firewall(WAF), Non std encoding, session mgmt.				Included			
Administration				One Sub Admin Account				Included			
Operating System options				RedHat Enterprise Linux 7 or above				Included			
				CentOS operating System							
				Ubuntu Operating System							
				SUSE Linux operating system							
				Microsoft Windows Server 2012							
				Public IP				1 network segment-1			
								2 network Segments-2			
								3 network Segments- 3			
								4 network Segments- 4			
Security				SSL (DV+OV)				1		included	
				IAM + console				1		included	
Backup				100 GB per VM				1		included	
				DC 1 year				DR 1 year		DC+DR- 1 year	
Line Item #	VM	cpu	RAM	Storage (GB)	HOURLY rate	MONTHLY		HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate

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						rate					
1	Pack 21	2	16	100	10.63	7650		8.96	6450.00	18.13	13050.00
2	Pack 22	4	16	250	12.22	8800		10.56	7600.00	21.32	15350.00
3	Pack 23	4	24	300	13.54	9750		11.88	8550.00	23.96	17250.00
4	Pack 24	4	32	300	14.65	10550		12.99	9350.00	26.18	18850.00
5	Pack 25	4	60	300	18.54	13350		16.88	12150.00	33.96	24450.00
6	Pack 26	6	32	450	18.33	13200		16.67	12000.00	33.54	24150.00
7	Pack 27	6	48	450	20.56	14800		18.89	13600.00	37.99	27350.00
8	Pack 28	6	64	450	22.78	16400		21.11	15200.00	42.43	30550.00
9	Pack 29	8	16	450	17.64	12700		15.97	11500.00	32.15	23150.00
10	Pack 30	8	32	450	20.42	14700		18.75	13500.00	37.71	27150.00
11	Pack 31	8	60	450	25.28	18200		23.61	17000.00	47.43	34150.00
12	Pack 32	8	64	600	26.39	19000		24.72	17800.00	49.65	35750.00
13	Pack 33	16	32	650	22.36	16100		20.69	14900.00	41.60	29950.00
14	Pack 34	16	64	950	28.75	20700		27.08	19500.00	54.38	39150.00
15	Pack 35	16	128	950	39.86	28700		38.19	27500.00	76.60	55150.00
16	Pack 36	32	244	800	117.93	84913		116.27	83713.00	232.74	167576.00
17	Pack 37	32	488	800	202.66	145913		200.99	144713.00	402.19	289576.00
18	Pack 38	36	60	800	55.43	39913		53.77	38713.00	107.74	77576.00
19	Pack 39	36	244	800	119.32	85913		117.66	84713.00	235.52	169576.00
20	Pack 40	40	160	850	91.68	66013		90.02	64813.00	180.24	129776.00
21	Pack 41	48	192	850	105.57	76013		103.91	74813.00	208.02	149776.00
22	Pack 42	48	192	850	105.57	76013		103.91	74813.00	208.02	149776.00
23	Pack 43	64	256	850	133.35	96013		131.68	94813.00	263.58	189776.00

24	Pack 44	64	488	950	214.18	154213	212.52	153013.00	425.24	306176.00
25	Pack 45	64	732	950	298.91	215213	297.24	214013.00	594.69	428176.00
26	Pack 46	64	976	950	383.63	276213	381.96	275013.00	764.13	550176.00
27	Pack 47	72	144	950	97.52	70213	95.85	69013.00	191.91	138176.00
28	Pack 48	96	384	950	189.18	136213	187.52	135013.00	375.24	270176.00
29	Pack 49	128	1952	950	744.74	536213	743.07	535013.00	1486.36	1070176.00
30	Bandwidth-Plan 1- upto 100 GB				X	400	X	400	X	400
31	Bandwidth-Plan 2- upto 500 GB				X	2000	X	2000	X	2000
32	Bandwidth-Plan 3- upto 1000 GB				X	3000	X	3000	X	3000
33	Additional data transfer tariff per GB				X	4	X	4	X	4
34	Internet bandwidth (Unlimited data)	2mbps		X	5000	X	5000	X	5000	
35		4mbps		X	9200	X	9200	X	9200	
36		10mbps		X	20000	X	20000	X	20000	
37		20mbps		X	35000	X	35000	X	35000	

Public Cloud, VPC, GCC Rates for Section A- 2 year

SECTION-A Virtual Server		
Service Type	Feature	Included
Networking	Network Segment- VLAN	Up to 5 Vm-1 network segment
		5 to 10 Vm-2 network Segments
		10-15 Vm-3 Network Segments
		15-20 Vm-4 network segments
	Networking - Load Balancing- Active Active	Included
	Networking - Switching & Routing	Included
	Managed Firewall(WAF), Non std encoding, session mgmt.	Included
Administration	One Sub Admin Account	Included
Operating System options	RedHat Enterprise Linux 7 or above	Included

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					CentOS operating System						
					Ubuntu Operating System						
					SUSE Linux operating system						
					Microsoft Windows Server 2012						
					Public IP		1 network segment-1				
							2 network Segments-2				
							3 network Segments- 3				
							4 network Segments- 4				
Security					SSL (DV+OV)		1		included		
					IAM + console		1		included		
Backup					100 GB per VM		1		included		
					DC-2 year		DR- 2 year		DC+DR-2 year		
Line Item #	VM	cpu	RAM	Storage (GB)	HOURLY rate	MONTHLY	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	
						rate					
1	Pack 21	2	16	100	10.63	7650	8.96	7650	18.13	13050.00	
2	Pack 22	4	16	250	12.22	8800	10.56	8800	21.32	15350.00	
3	Pack 23	4	24	300	13.54	9750	11.88	9750	23.96	17250.00	
4	Pack 24	4	32	300	14.65	10550	12.99	10550	26.18	18850.00	
5	Pack 25	4	60	300	18.54	13350	16.88	13350	33.96	24450.00	
6	Pack 26	6	32	450	18.33	13200	16.67	13200	33.54	24150.00	
7	Pack 27	6	48	450	20.56	14800	18.89	14800	37.99	27350.00	
8	Pack 28	6	64	450	22.78	16400	21.11	16400	42.43	30550.00	
9	Pack 29	8	16	450	17.64	12700	15.97	12700	32.15	23150.00	
10	Pack 30	8	32	450	20.42	14700	18.75	14700	37.71	27150.00	
11	Pack 31	8	60	450	25.28	18200	23.61	18200	47.43	34150.00	
12	Pack 32	8	64	600	26.39	19000	24.72	19000	49.65	35750.00	
13	Pack	16	32	650	22.36	16100	20.69	16100	41.60	29950.00	

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	33									
14	Pack 34	16	64	950	28.75	20700	27.08	20700	54.38	39150.00
15	Pack 35	16	128	950	39.86	28700	38.19	28700	76.60	55150.00
16	Pack 36	32	244	800	117.93	84913	116.27	84913	232.74	167576.00
17	Pack 37	32	488	800	202.66	145913	200.99	145913	402.19	289576.00
18	Pack 38	36	60	800	55.43	39913	53.77	39913	107.74	77576.00
19	Pack 39	36	244	800	119.32	85913	117.66	85913	235.52	169576.00
20	Pack 40	40	160	850	91.68	66013	90.02	66013	180.24	129776.00
21	Pack 41	48	192	850	105.57	76013	103.91	76013	208.02	149776.00
22	Pack 42	48	192	850	105.57	76013	103.91	76013	208.02	149776.00
23	Pack 43	64	256	850	133.35	96013	131.68	96013	263.58	189776.00
24	Pack 44	64	488	950	214.18	154213	212.52	154213	425.24	306176.00
25	Pack 45	64	732	950	298.91	215213	297.24	215213	594.69	428176.00
26	Pack 46	64	976	950	383.63	276213	381.96	276213	764.13	550176.00
27	Pack 47	72	144	950	97.52	70213	95.85	70213	191.91	138176.00
28	Pack 48	96	384	950	189.18	136213	187.52	136213	375.24	270176.00
29	Pack 49	128	1952	950	744.74	536213	743.07	536213	1486.36	1070176.00
30	Bandwidth-Plan 1- upto 100 GB				X	400	X	400	X	400
31	Bandwidth-Plan 2- upto 500 GB				X	2000	X	2000	X	2000
32	Bandwidth-Plan 3- upto 1000 GB				X	3000	X	3000	X	3000
33	Additional data transfer tariff per GB				X	4	X	4	X	4
34	Internet bandwidth (Unlimited data)	2mbps		X	5000	X	5000	X	5000	
35		4mbps		X	9200	X	9200	X	9200	
36		10mbps		X	20000	X	20000	X	20000	
37		20mbps		X	35000	X	35000	X	35000	

Public Cloud, VPC, GCC Rates for SECTION-B DATABASE as a Service for 9 year

Line Item #	Database Options	Core	RAM(GB)	Storage Type	DC- 1 year		DR- 1 year		DC+DR-1 year	
					HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate
38	MS SQL	1	2		17.85	12850	16.18	11650.00	22.85	16450.00
39	Standard as a service	2	4		18.26	13150	16.60	11950.00	23.68	17050.00
40		2	8		18.82	13550	17.15	12350.00	24.79	17850.00
41		4	16		29.93	21550	28.26	20350.00	37.29	26850.00
42		8	32		52.15	37550	50.49	36350.00	62.29	44850.00
43		16	64		103.89	74800	102.22	73600.00	126.88	91350.00
44		32	128		195.56	140800	193.89	139600.00	232.43	167350.00
45		40	160		283.77	204313	282.10	203113.00	369.97	266376.00
46		64	256		442.10	318313	440.43	317113.00	569.97	410376.00
47		4	30		51.13	36813	49.46	35613.00	79.69	57376.00
48		8	60		82.38	59313	80.71	58113.00	122.74	88376.00
49		16	122		145.57	104813	143.91	103613.00	210.24	151376.00
50		32	244		271.27	195313	269.60	194113.00	383.86	276376.00
51		64	488		522.66	376313	520.99	375113.00	731.08	526376.00
52		2	16		35.85	25813	34.18	24613.00	58.86	42376.00
53		4	30		51.13	36813	49.46	35613.00	79.69	57376.00
54		8	60		82.38	59313	80.71	58113.00	122.74	88376.00
55		16	122		145.57	104813	143.91	103613.00	210.24	151376.00
56		32	244		271.27	195313	269.60	194113.00	383.86	276376.00
57	MS SQL Enterprise as a service	1	2		45.63	32850	43.96	31650.00	50.63	36450.00
58		2	4		46.04	33150	44.38	31950.00	51.46	37050.00
59		2	8		46.60	33550	44.93	32350.00	52.57	37850.00
60		4	16		85.49	61550	83.82	60350.00	92.85	66850.00
61		8	32		163.26	117550	161.60	116350.00	173.40	124850.00
62		4	16		85.49	61550	83.82	60350.00	92.85	66850.00
63		8	32		169.17	121800	167.50	120600.00	185.21	133350.00
64		16	64		326.11	234800	324.44	233600.00	349.10	251350.00
65		40	160		839.32	604313	837.66	603113.00	925.52	666376.00
66		64	256		1330.99	958313	1329.32	957113.00	1458.86	1050376.00
67		4	32		87.71	63150	86.04	61950.00	97.29	70050.00
68		8	64		174.72	125800	173.06	124600.00	196.32	141350.00
69		16	128		337.22	242800	335.56	241600.00	371.32	267350.00
70		32	244		715.71	515313	714.05	514113.00	828.30	596376.00

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71		64	488		1411.55	1016313	1409.88	1015113.00	1619.97	1166376.00
72		2	16		47.71	34350	46.04	33150.00	54.79	39450.00
73		4	30		105.85	76213	104.18	75013.00	133.58	96176.00
74		8	60		191.82	138113	190.16	136913.00	230.52	165976.00
75		16	122		343.84	247563	342.17	246363.00	384.55	276876.00
76		32	244		715.71	515313	714.05	514113.00	828.30	596376.00
77	Postgre Enterprise as a service	1	2		12.87	9263	11.20	8063.00	22.61	16276.00
78		2	4		18.02	12976	16.36	11776.00	32.92	23702.00
79		2	8		18.58	13376	16.91	12176.00	34.03	24502.00
80		2	16		19.69	14176	18.02	12976.00	36.25	26102.00
81		4	16		29.45	21202	27.78	20002.00	55.77	40154.00
82		4	32		31.67	22802	30.00	21602.00	60.21	43354.00
83		8	32		51.19	36854	49.52	35654.00	99.25	71458.00
84		16	64		109.61	78921	107.95	77721.00	216.10	155592.00
85		40	160		278.93	200833	277.27	199633.00	554.74	399416.00
86		64	256		434.37	312745	432.70	311545.00	865.61	623240.00
87		4	30		31.39	22602	29.73	21402.00	59.66	42954.00
88		8	60		55.08	39654	53.41	38454.00	107.03	77058.00
89		16	122		119.68	86171	118.02	84971.00	236.24	170092.00
90		32	244		267.40	192529	265.73	191329.00	531.68	382808.00
91	64	488		514.92	370745	513.26	369545.00	1026.72	739240.00	
92	8	60		55.08	39654	53.41	38454.00	107.03	77058.00	
93	16	122		119.68	86171	118.02	84971.00	236.24	170092.00	
94	32	244		267.40	192529	265.73	191329.00	531.68	382808.00	
95	Oralce Standard as a service	1	1		12.45	8963.646641	10.78	7763.65	21.77	15677.29
96		1	2		12.59	9063.646641	10.92	7863.65	22.05	15877.29
97		2	4		13.01	9363.646641	11.34	8163.65	22.89	16477.29
98		2	8		13.56	9763.646641	11.89	8563.65	24.00	17277.29
99		4	16		14.95	10763.64664	13.28	9563.65	26.77	19277.29
100		8	32		22.19	15977.29328	20.52	14777.29	41.26	29704.59
101		2	8		13.56	9763.646641	11.89	8563.65	24.00	17277.29
102		4	16		14.95	10763.64664	13.28	9563.65	26.77	19277.29
103		8	32		22.19	15977.29328	20.52	14777.29	41.26	29704.59
104		16	64		51.62	37167.58656	49.95	35967.59	100.12	72085.17
105		40	160		133.96	96449.46641	132.29	95249.47	264.79	190648.93
106		64	256		190.50	137161.6219	188.84	135961.62	377.88	272073.24
107		2	16		14.67	10563.64664	13.01	9363.65	26.22	18877.29
108		4	32		21.64	15577.29328	19.97	14377.29	40.15	28904.59
109		8	64		35.56	25604.58656	33.90	24404.59	68.00	48959.17
110		16	122		88.47	63699.46641	86.80	62499.47	173.82	125148.93
111		32	244		175.22	126161.6219	173.56	124961.62	347.32	250073.24

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112		64	488		390.08	280858.8656	388.42	279658.87	777.04	559467.73
113		2	16		14.67	10563.64664	13.01	9363.65	26.22	18877.29
114		4	32		21.64	15577.29328	19.97	14377.29	40.15	28904.59
115		8	64		35.56	25604.58656	33.90	24404.59	68.00	48959.17
116		16	124		113.12	81449.46641	111.46	80249.47	223.12	160648.93
117		32	244		175.22	126161.6219	173.56	124961.62	347.32	250073.24
118	DB2 as a service	1	1		77.01	55450	75.35	54250.00	150.90	108650.00
119		1	2		77.15	55550	75.49	54350.00	151.18	108850.00
120		2	4		146.60	105550	144.93	104350.00	290.07	208850.00
121		2	8		147.15	105950	145.49	104750.00	291.18	209650.00
122		4	16		286.60	206350	284.93	205150.00	570.07	410450.00
123		8	32		565.49	407150	563.82	405950.00	1127.85	812050.00
124		2	8		147.15	105950	145.49	104750.00	291.18	209650.00
125		4	16		286.60	206350	284.93	205150.00	570.07	410450.00
126		8	32		565.49	407150	563.82	405950.00	1127.85	812050.00
127		16	64		1138.21	819513	1136.55	818313.00	2273.30	1636776.00
128		40	160		2850.43	2052313	2848.77	2051113.00	5697.74	4102376.00
129		64	256		4548.77	3275113	4547.10	3273913.00	9094.41	6547976.00
130		2	16		148.26	106750	146.60	105550.00	293.40	211250.00
131		4	32		288.82	207950	287.15	206750.00	574.51	413650.00
132		8	64		569.93	410350	568.26	409150.00	1136.74	818450.00
133		16	122		1148.28	826763	1146.62	825563.00	2293.44	1651276.00
134		32	244		2324.60	1673713	2322.93	1672513.00	4646.08	3345176.00
135		64	488		4629.32	3333113	4627.66	3331913.00	9255.52	6663976.00
136		2	16		148.26	106750	146.60	105550.00	293.40	211250.00
137		4	32		288.82	207950	287.15	206750.00	574.51	413650.00
138		8	64		569.93	410350	568.26	409150.00	1136.74	818450.00
139		16	124		1172.93	844513	1171.27	843313.00	2342.74	1686776.00
140		32	244		2324.60	1673713	2322.93	1672513.00	4646.08	3345176.00
141	MySQL compatible relational database	1	2		17.14	12339	15.47	11139.00	31.15	22428.00
142		2	4		17.55	12639	15.89	11439.00	31.98	23028.00
143		2	16		19.22	13839	17.55	12639.00	35.32	25428.00
144		4	32		21.72	15639	20.05	14439.00	40.32	29028.00
145		8	64		26.72	19239	25.05	18039.00	50.32	36228.00
146		16	122		52.85	38052	51.18	36852.00	102.58	73854.00
147		32	244		124.73	89802	123.06	88602.00	246.33	177354.00
148		64	488		220.56	158802	218.89	157602.00	437.99	315354.00
149		2	16		19.22	13839	17.55	12639.00	35.32	25428.00
150		4	32		21.72	15639	20.05	14439.00	40.32	29028.00
151		8	64		26.72	19239	25.05	18039.00	50.32	36228.00
152		16	122		52.85	38052	51.18	36852.00	102.58	73854.00

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153		32	244		124.73	89802	123.06	88602.00	246.33	177354.00
154	Postgre SQL compatible relational database	2	16		19.22	13839	17.55	12639.00	35.32	25428.00
155		4	30		21.44	15439	19.78	14239.00	39.76	28628.00
156		8	60		26.17	18839	24.50	17639.00	49.21	35428.00
157		16	122		52.85	38052	51.18	36852.00	102.58	73854.00
158		32	244		124.73	89802	123.06	88602.00	246.33	177354.00
159		64	488		220.56	158802	218.89	157602.00	437.99	315354.00
160	Data Warehouse as a service	2	8		18.11	13039	16.44	11839.00	33.09	23828.00
161		4	16		19.50	14039	17.83	12839.00	35.87	25828.00
162		8	32		22.28	16039	20.61	14839.00	41.43	29828.00
163		16	64		42.78	30802	41.11	29602.00	82.44	59354.00
164		40	160		98.34	70802	96.67	69602.00	193.55	139354.00
165		64	256		140.00	100802	138.34	99602.00	276.88	199354.00
166		8	64		26.72	19239	25.05	18039.00	50.32	36228.00
167		16	122		52.85	38052	51.18	36852.00	102.58	73854.00
168		32	244		124.73	89802	123.06	88602.00	246.33	177354.00
169		64	488		220.56	158802	218.89	157602.00	437.99	315354.00
170		4	32		21.72	15639	20.05	14439.00	40.32	29028.00
171		8	64		26.72	19239	25.05	18039.00	50.32	36228.00
172		16	122		52.85	38052	51.18	36852.00	102.58	73854.00
173		32	244		124.73	89802	123.06	88602.00	246.33	177354.00
174	4	16		19.50	14039	17.83	12839.00	35.87	25828.00	
175	8	32		22.28	16039	20.61	14839.00	41.43	29828.00	
176	16	64		42.78	30802	41.11	29602.00	82.44	59354.00	
177	48	192		112.23	80802	110.56	79602.00	221.33	159354.00	
178	96	384		195.56	140802	193.89	139602.00	387.99	279354.00	
179	8	60		26.17	18839	24.50	17639.00	49.21	35428.00	
180	32	244		124.73	89802	123.06	88602.00	246.33	177354.00	
181	64	488		220.56	158802	218.89	157602.00	437.99	315354.00	
182	4	30		21.44	15439	19.78	14239.00	39.76	28628.00	
183	8	60		26.17	18839	24.50	17639.00	49.21	35428.00	
184	16	122		52.85	38052	51.18	36852.00	102.58	73854.00	
185	32	244		124.73	89802	123.06	88602.00	246.33	177354.00	
186	64	488		220.56	158802	218.89	157602.00	437.99	315354.00	
187	4	32		21.72	15639	20.05	14439.00	40.32	29028.00	
188	8	64		26.72	19239	25.05	18039.00	50.32	36228.00	
189	16	122		52.85	38052	51.18	36852.00	102.58	73854.00	
190	36	244		126.11	90802	124.45	89602.00	249.10	179354.00	
191	4	8		18.39	13239	16.72	12039.00	33.65	24228.00	
192	8	16		20.05	14439	18.39	13239.00	36.98	26628.00	
193	16	32		37.23	26802	35.56	25602.00	71.33	51354.00	

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194		36	72		66.39	47802	64.73	46602.00	129.66	93354.00
195		72	144		103.89	74802	102.23	73602.00	204.66	147354.00
196		2	4		17.55	12639	15.89	11439.00	31.98	23028.00
197		4	8		18.39	13239	16.72	12039.00	33.65	24228.00
198		8	15		19.92	14339	18.25	13139.00	36.71	26428.00
199		16	30		36.88	26552	35.21	25352.00	70.63	50854.00
200		36	60		62.23	44802	60.56	43602.00	121.33	87354.00
201	Middleware as a service	Core	RAM(GB)	Storage(GB)						
202	JBOSS	4	14	100GBSSD	38.18	27490	36.51	26290.00	38.18	27490
203		8	14	100GBHDD	68.58	49380	66.92	48180.00	68.58	49380
204		2	4	100GBHDD	35.40	25490	33.74	24290.00	35.40	25490
205		16	112	800GBSSD	146.89	105760	145.22	104560.00	146.89	105760
206		4	14	100GBSSD	38.18	27490	36.51	26290.00	38.18	27490
207		16	112	224GBSSD	142.09	102304	140.42	101104.00	142.09	102304
208	WildFly	4	14	100GBSSD	11.74	8450	10.07	7250.00	11.74	8450
209		8	14	100GBHDD	15.69	11300	14.03	10100.00	15.69	11300
210		2	4	100GBHDD	8.96	6450	7.29	5250.00	8.96	6450
211		16	112	800GBSSD	41.11	29600	39.44	28400.00	41.11	29600
212		4	14	100GBSSD	11.74	8450	10.07	7250.00	11.74	8450
213		16	112	224GBSSD	36.31	26144	34.64	24944.00	36.31	26144

Public Cloud, VPC, GCC Rates for SECTION-B DATABASE as a Service for 2 year

Line Item #	Database Options	Core	RAM(GB)	Storage Type	DC 2 year		DR 2 year		DC+DR 2 year	
					HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate
38	MS SQL	1	2		17.85	12850	16.18	11650.00	22.85	16450.00
39	Standard as a service	2	4		18.26	13150	16.60	11950.00	23.68	17050.00
40		2	8		18.82	13550	17.15	12350.00	24.79	17850.00
41		4	16		29.93	21550	28.26	20350.00	37.29	26850.00
42		8	32		52.15	37550	50.49	36350.00	62.29	44850.00
43		16	64		103.89	74800	102.22	73600.00	126.88	91350.00
44		32	128		195.56	140800	193.89	139600.00	232.43	167350.00
45		40	160		283.77	204313	282.10	203113.00	369.97	266376.00
46		64	256		442.10	318313	440.43	317113.00	569.97	410376.00
47		4	30		51.13	36813	49.46	35613.00	79.69	57376.00
48		8	60		82.38	59313	80.71	58113.00	122.74	88376.00
49		16	122		145.57	104813	143.91	103613.00	210.24	151376.00
50		32	244		271.27	195313	269.60	194113.00	383.86	276376.00

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51		64	488		522.66	376313	520.99	375113.00	731.08	526376.00
52		2	16		35.85	25813	34.18	24613.00	58.86	42376.00
53		4	30		51.13	36813	49.46	35613.00	79.69	57376.00
54		8	60		82.38	59313	80.71	58113.00	122.74	88376.00
55		16	122		145.57	104813	143.91	103613.00	210.24	151376.00
56		32	244		271.27	195313	269.60	194113.00	383.86	276376.00
57	MS SQL Enterprise as a service	1	2		45.63	32850	43.96	31650.00	50.63	36450.00
58		2	4		46.04	33150	44.38	31950.00	51.46	37050.00
59		2	8		46.60	33550	44.93	32350.00	52.57	37850.00
60		4	16		85.49	61550	83.82	60350.00	92.85	66850.00
61		8	32		163.26	117550	161.60	116350.00	173.40	124850.00
62		4	16		85.49	61550	83.82	60350.00	92.85	66850.00
63		8	32		169.17	121800	167.50	120600.00	185.21	133350.00
64		16	64		326.11	234800	324.44	233600.00	349.10	251350.00
65		40	160		839.32	604313	837.66	603113.00	925.52	666376.00
66		64	256		1330.99	958313	1329.32	957113.00	1458.86	1050376.00
67		4	32		87.71	63150	86.04	61950.00	97.29	70050.00
68		8	64		174.72	125800	173.06	124600.00	196.32	141350.00
69		16	128		337.22	242800	335.56	241600.00	371.32	267350.00
70		32	244		715.71	515313	714.05	514113.00	828.30	596376.00
71		64	488		1411.55	1016313	1409.88	1015113.00	1619.97	1166376.00
72		2	16		47.71	34350	46.04	33150.00	54.79	39450.00
73		4	30		105.85	76213	104.18	75013.00	133.58	96176.00
74		8	60		191.82	138113	190.16	136913.00	230.52	165976.00
75		16	122		343.84	247563	342.17	246363.00	384.55	276876.00
76	32	244		715.71	515313	714.05	514113.00	828.30	596376.00	
77	Postgre Enterprise as a service	1	2		12.87	9263	11.20	8063.00	22.61	16276.00
78		2	4		18.02	12976	16.36	11776.00	32.92	23702.00
79		2	8		18.58	13376	16.91	12176.00	34.03	24502.00
80		2	16		19.69	14176	18.02	12976.00	36.25	26102.00
81		4	16		29.45	21202	27.78	20002.00	55.77	40154.00
82		4	32		31.67	22802	30.00	21602.00	60.21	43354.00
83		8	32		51.19	36854	49.52	35654.00	99.25	71458.00
84		16	64		109.61	78921	107.95	77721.00	216.10	155592.00
85		40	160		278.93	200833	277.27	199633.00	554.74	399416.00
86		64	256		434.37	312745	432.70	311545.00	865.61	623240.00
87		4	30		31.39	22602	29.73	21402.00	59.66	42954.00
88		8	60		55.08	39654	53.41	38454.00	107.03	77058.00
89		16	122		119.68	86171	118.02	84971.00	236.24	170092.00
90		32	244		267.40	192529	265.73	191329.00	531.68	382808.00
91		64	488		514.92	370745	513.26	369545.00	1026.72	739240.00

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92		8	60		55.08	39654	53.41	38454.00	107.03	77058.00
93		16	122		119.68	86171	118.02	84971.00	236.24	170092.00
94		32	244		267.40	192529	265.73	191329.00	531.68	382808.00
95	Oralce Standard as a service	1	1		12.45	8963.646641	10.78	7763.65	21.77	15677.29
96		1	2		12.59	9063.646641	10.92	7863.65	22.05	15877.29
97		2	4		13.01	9363.646641	11.34	8163.65	22.89	16477.29
98		2	8		13.56	9763.646641	11.89	8563.65	24.00	17277.29
99		4	16		14.95	10763.64664	13.28	9563.65	26.77	19277.29
100		8	32		22.19	15977.29328	20.52	14777.29	41.26	29704.59
101		2	8		13.56	9763.646641	11.89	8563.65	24.00	17277.29
102		4	16		14.95	10763.64664	13.28	9563.65	26.77	19277.29
103		8	32		22.19	15977.29328	20.52	14777.29	41.26	29704.59
104		16	64		51.62	37167.58656	49.95	35967.59	100.12	72085.17
105		40	160		133.96	96449.46641	132.29	95249.47	264.79	190648.93
106		64	256		190.50	137161.6219	188.84	135961.62	377.88	272073.24
107		2	16		14.67	10563.64664	13.01	9363.65	26.22	18877.29
108		4	32		21.64	15577.29328	19.97	14377.29	40.15	28904.59
109		8	64		35.56	25604.58656	33.90	24404.59	68.00	48959.17
110		16	122		88.47	63699.46641	86.80	62499.47	173.82	125148.93
111		32	244		175.22	126161.6219	173.56	124961.62	347.32	250073.24
112	64	488		390.08	280858.8656	388.42	279658.87	777.04	559467.73	
113	2	16		14.67	10563.64664	13.01	9363.65	26.22	18877.29	
114	4	32		21.64	15577.29328	19.97	14377.29	40.15	28904.59	
115	8	64		35.56	25604.58656	33.90	24404.59	68.00	48959.17	
116	16	124		113.12	81449.46641	111.46	80249.47	223.12	160648.93	
117	32	244		175.22	126161.6219	173.56	124961.62	347.32	250073.24	
118	DB2 as a service	1	1		77.01	55450	75.35	54250.00	150.90	108650.00
119		1	2		77.15	55550	75.49	54350.00	151.18	108850.00
120		2	4		146.60	105550	144.93	104350.00	290.07	208850.00
121		2	8		147.15	105950	145.49	104750.00	291.18	209650.00
122		4	16		286.60	206350	284.93	205150.00	570.07	410450.00
123		8	32		565.49	407150	563.82	405950.00	1127.85	812050.00
124		2	8		147.15	105950	145.49	104750.00	291.18	209650.00
125		4	16		286.60	206350	284.93	205150.00	570.07	410450.00
126		8	32		565.49	407150	563.82	405950.00	1127.85	812050.00
127		16	64		1138.21	819513	1136.55	818313.00	2273.30	1636776.00
128		40	160		2850.43	2052313	2848.77	2051113.00	5697.74	4102376.00
129		64	256		4548.77	3275113	4547.10	3273913.00	9094.41	6547976.00
130		2	16		148.26	106750	146.60	105550.00	293.40	211250.00
131		4	32		288.82	207950	287.15	206750.00	574.51	413650.00
132		8	64		569.93	410350	568.26	409150.00	1136.74	818450.00

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133		16	122		1148.28	826763	1146.62	825563.00	2293.44	1651276.00
134		32	244		2324.60	1673713	2322.93	1672513.00	4646.08	3345176.00
135		64	488		4629.32	3333113	4627.66	3331913.00	9255.52	6663976.00
136		2	16		148.26	106750	146.60	105550.00	293.40	211250.00
137		4	32		288.82	207950	287.15	206750.00	574.51	413650.00
138		8	64		569.93	410350	568.26	409150.00	1136.74	818450.00
139		16	124		1172.93	844513	1171.27	843313.00	2342.74	1686776.00
140		32	244		2324.60	1673713	2322.93	1672513.00	4646.08	3345176.00
141	MySQL compatible relational database	1	2		17.14	12339	15.47	11139.00	31.15	22428.00
142		2	4		17.55	12639	15.89	11439.00	31.98	23028.00
143		2	16		19.22	13839	17.55	12639.00	35.32	25428.00
144		4	32		21.72	15639	20.05	14439.00	40.32	29028.00
145		8	64		26.72	19239	25.05	18039.00	50.32	36228.00
146		16	122		52.85	38052	51.18	36852.00	102.58	73854.00
147		32	244		124.73	89802	123.06	88602.00	246.33	177354.00
148		64	488		220.56	158802	218.89	157602.00	437.99	315354.00
149		2	16		19.22	13839	17.55	12639.00	35.32	25428.00
150		4	32		21.72	15639	20.05	14439.00	40.32	29028.00
151		8	64		26.72	19239	25.05	18039.00	50.32	36228.00
152		16	122		52.85	38052	51.18	36852.00	102.58	73854.00
153		32	244		124.73	89802	123.06	88602.00	246.33	177354.00
154	Postgre SQL compatible relational database	2	16		19.22	13839	17.55	12639.00	35.32	25428.00
155		4	30		21.44	15439	19.78	14239.00	39.76	28628.00
156		8	60		26.17	18839	24.50	17639.00	49.21	35428.00
157		16	122		52.85	38052	51.18	36852.00	102.58	73854.00
158		32	244		124.73	89802	123.06	88602.00	246.33	177354.00
159		64	488		220.56	158802	218.89	157602.00	437.99	315354.00
160	Data Warehouse as a service	2	8		18.11	13039	16.44	11839.00	33.09	23828.00
161		4	16		19.50	14039	17.83	12839.00	35.87	25828.00
162		8	32		22.28	16039	20.61	14839.00	41.43	29828.00
163		16	64		42.78	30802	41.11	29602.00	82.44	59354.00
164		40	160		98.34	70802	96.67	69602.00	193.55	139354.00
165		64	256		140.00	100802	138.34	99602.00	276.88	199354.00
166		8	64		26.72	19239	25.05	18039.00	50.32	36228.00
167		16	122		52.85	38052	51.18	36852.00	102.58	73854.00
168		32	244		124.73	89802	123.06	88602.00	246.33	177354.00
169		64	488		220.56	158802	218.89	157602.00	437.99	315354.00
170		4	32		21.72	15639	20.05	14439.00	40.32	29028.00
171	8	64		26.72	19239	25.05	18039.00	50.32	36228.00	
172	16	122		52.85	38052	51.18	36852.00	102.58	73854.00	
173	32	244		124.73	89802	123.06	88602.00	246.33	177354.00	

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174		4	16		19.50	14039	17.83	12839.00	35.87	25828.00
175		8	32		22.28	16039	20.61	14839.00	41.43	29828.00
176		16	64		42.78	30802	41.11	29602.00	82.44	59354.00
177		48	192		112.23	80802	110.56	79602.00	221.33	159354.00
178		96	384		195.56	140802	193.89	139602.00	387.99	279354.00
179		8	60		26.17	18839	24.50	17639.00	49.21	35428.00
180		32	244		124.73	89802	123.06	88602.00	246.33	177354.00
181		64	488		220.56	158802	218.89	157602.00	437.99	315354.00
182		4	30		21.44	15439	19.78	14239.00	39.76	28628.00
183		8	60		26.17	18839	24.50	17639.00	49.21	35428.00
184		16	122		52.85	38052	51.18	36852.00	102.58	73854.00
185		32	244		124.73	89802	123.06	88602.00	246.33	177354.00
186		64	488		220.56	158802	218.89	157602.00	437.99	315354.00
187		4	32		21.72	15639	20.05	14439.00	40.32	29028.00
188		8	64		26.72	19239	25.05	18039.00	50.32	36228.00
189		16	122		52.85	38052	51.18	36852.00	102.58	73854.00
190		36	244		126.11	90802	124.45	89602.00	249.10	179354.00
191		4	8		18.39	13239	16.72	12039.00	33.65	24228.00
192		8	16		20.05	14439	18.39	13239.00	36.98	26628.00
193		16	32		37.23	26802	35.56	25602.00	71.33	51354.00
194		36	72		66.39	47802	64.73	46602.00	129.66	93354.00
195		72	144		103.89	74802	102.23	73602.00	204.66	147354.00
196		2	4		17.55	12639	15.89	11439.00	31.98	23028.00
197		4	8		18.39	13239	16.72	12039.00	33.65	24228.00
198		8	15		19.92	14339	18.25	13139.00	36.71	26428.00
199		16	30		36.88	26552	35.21	25352.00	70.63	50854.00
200		36	60		62.23	44802	60.56	43602.00	121.33	87354.00
201	Middleware as a service	Core	RAM(GB)	Storage(GB)						
202	JBOSS	4	14	100GBSSD	38.18	27490	36.51	26290.00	38.18	27490
203		8	14	100GBHDD	68.58	49380	66.92	48180.00	68.58	49380
204		2	4	100GBHDD	35.40	25490	33.74	24290.00	35.40	25490
205		16	112	800GBSSD	146.89	105760	145.22	104560.00	146.89	105760
206		4	14	100GBSSD	38.18	27490	36.51	26290.00	38.18	27490
207		16	112	224GBSSD	142.09	102304	140.42	101104.00	142.09	102304
208	WildFly	4	14	100GBSSD	11.74	8450	10.07	7250.00	11.74	8450
209		8	14	100GBHDD	15.69	11300	14.03	10100.00	15.69	11300
210		2	4	100GBHDD	8.96	6450	7.29	5250.00	8.96	6450
211		16	112	800GBSSD	41.11	29600	39.44	28400.00	41.11	29600
212		4	14	100GBSSD	11.74	8450	10.07	7250.00	11.74	8450
213		16	112	224GBSSD	36.31	26144	34.64	24944.00	36.31	26144

Public Cloud, VPC, GCC Rates for SECTION-C ADDITIONAL SERVICES for 9 year

For Specifications of the below services refer specification section T table-9

Line Item #		DC-1 year		DR 1 year		DC+DR 1 year	
		Hourly Rates	MONTHLY rate	Hourly Rates	MONTHLY rate	Hourly Rates	MONTHLY rate
196	Data warehouse as a service or equivalent	NA	NA	NA	NA	NA	NA
197	Access control as a service or equivalent	85	85	X	85	X	85
198	Simple Notification Service or equivalent	100	100	X	100	X	100
199	Managed Message Queuing Service or equivalent	0.1	0.1	0.1	0.1	0.1	0.1
200	Cloud HSM or equivalent	149000	149000	X	149000	X	149000
201	Big data processing as a service	20000	20000	X	20000	X	20000
202	Cache management as a service or equivalent	10000	10000	X	10000	X	10000
203	Elastic Search or equivalent	20000	20000	X	20000	X	20000
204	Data Streams or equivalent	5	5	5.00	5	5.00	5
205	Simple Workflow Service or equivalent	NA	NA	NA	NA	NA	NA
206	Cloud Formation or equivalent	NA	NA	NA	NA	NA	NA
207	Cloud AUDIT Trail or equivalent	450	450	450	450	450	450
208	Device based Data migration services	5000	5000	5000	5000	5000	5000
209	Storage Gateway or equivalent	1000	1000	1000	1000	1000	1000
210	Web App Hosting as a Service	NA	NA	NA	NA	NA	NA
211	API as a service	10	10	10	10	10	10
212	Enterprise Mailing Solution as a service	660	660	660	660	660	660
213	Enterprise Open source Mailing Solution as a service	410	410	410	410	410	410
214	Instant Messaging and Online Meetings	353	353	353	353	353	353
215	Online File Storage and Collaboration (Co-Authoring) solution	660	660	660	660	660	660
216	Cloud based Enterprise Office Productivity suit	795	795	795	795	795	795
217	Cloud based open source Office Productivity suit	1500	1500	1500	1500	1500	1500
218	SAP Basis support - cover 24x7 support via ticket, chat & email	15000	15000	550	15000	550	15000
219	SAP Basis support - cover 24x7 support via ticket, chat & email	25000	25000	750	25000	750	25000
220	Dual Factor Authentication (Per User)	260	260	260	260	260	260
221	Dual Factor Authentication Per 5000 Users	1000000	1000000	200	1000000	200	1000000
222	Dual Factor Authentication Per 50000 Users	7500000	7500000	150	7500000	150	7500000
223	Triple/Multi Factor Authentication (Per User)	360	360	360	360	360	360
224	Triple/Multi Factor Authentication Per 5000 Users	300	300	300	300	300	300
225	Triple/Multi Factor Authentication Per 50000 Users	250	250	250	250	250	250
233	Load Balancer as a Service (for each device)	9.03	6500	9.03	6500	18.06	13000.00
234	Interoperability as a service	NA	NA	NA	NA	NA	NA
	NA---Not Available(rates)						

Public Cloud, VPC, GCC Rates for SECTION-C ADDITIONAL SERVICES for 2 year

For Specifications of the below services refer specification section T table-1

Line Item #		DC- 2 year		DR 2 year		DC+DR 2 year	
		Hourly Rates	MONTHLY rate	Hourly Rates	MONTHLY rate	Hourly Rates	MONTHLY rate
196	Data warehouse as a service or equivalent	NA	NA	NA	NA	NA	NA
197	Access control as a service or equivalent	85	85	X	85	X	85
198	Simple Notification Service or equivalent	100	100	X	100	X	100
199	Managed Message Queuing Service or equivalent	0.1	0.1	0.1	0.1	0.1	0.1
200	Cloud HSM or equivalent	149000	149000	X	149000	X	149000
201	Big data processing as a service	20000	20000	X	20000	X	20000
202	Cache management as a service or equivalent	10000	10000	X	10000	X	10000
203	Elastic Search or equivalent	20000	20000	X	20000	X	20000
204	Data Streams or equivalent	5	5	5.00	5	5.00	5
205	Simple Workflow Service or equivalent	NA	NA	NA	NA	NA	NA
206	Cloud Formation or equivalent	NA	NA	NA	NA	NA	NA
207	Cloud AUDIT Trail or equivalent	450	450	450	450	450	450
208	Device based Data migration services	5000	5000	5000	5000	5000	5000
209	Storage Gateway or equivalent	1000	1000	1000	1000	1000	1000
210	Web App Hosting as a Service	NA	NA	NA	NA	NA	NA
211	API as a service	10	10	10	10	10	10
212	Enterprise Mailing Solution as a service	660	660	660	660	660	660
213	Enterprise Open source Mailing Solution as a service	410	410	410	410	410	410
214	Instant Messaging and Online Meetings	353	353	353	353	353	353
215	Online File Storage and Collaboration (Co-Authoring) solution	660	660	660	660	660	660
216	Cloud based Enterprise Office Productivity suit	795	795	795	795	795	795
217	Cloud based open source Office Productivity suit	1500	1500	1500	1500	1500	1500
218	SAP Basis support - cover 24x7 support via ticket, chat & email	15000	15000	550	15000	550	15000
219	SAP Basis support - cover 24x7 support via ticket, chat & email	25000	25000	750	25000	750	25000
220	Dual Factor Authentication (Per User)	260	260	260	260	260	260
221	Dual Factor Authentication Per 5000 Users	1000000	1000000	200	1000000	200	1000000
222	Dual Factor Authentication Per 50000 Users	7500000	7500000	150	7500000	150	7500000
223	Triple/Multi Factor Authentication (Per User)	360	360	360	360	360	360
224	Triple/Multi Factor Authentication Per 5000 Users	300	300	300	300	300	300
225	Triple/Multi Factor Authentication Per 50000 Users	250	250	250	250	250	250
233	Load Balancer as a Service (for each device)	9.03	6500	9.03	6500	18.06	13000.00
234	Interoperability as a service	NA	NA	NA	NA	NA	NA
	NA---Not Available(rates)						

SPECIFICATION SECTION-T Table 1

Table 1- Specification Table		
C	Addition Service	Description-Minimum requirement
		Per USER Per Hour ,Per User Per Month or Per GB per Month or Per million Per months as may be applicable
1	Data warehouse as a service or equivalent	Fully managed data warehouse that makes it simple and cost-effective to analyze all your data using standard SQL and your existing Business Intelligence (BI) tools. It allows you to run complex analytic queries against petabytes of structured data, using sophisticated query optimization, columnar storage on high-performance local disks, and massively parallel query execution.
2	Access control as a service or equivalent	Service lets you add user sign-up, sign-in, and access control to your web and mobile apps quickly and easily. Scales to millions of users and supports sign-in with social identity providers, such as Facebook, Google, and enterprise identity providers via SAML 2.0.
3	Simple Notification Service or equivalent	Simple Notification Service (SNS) is a flexible, fully managed pub/sub messaging and mobile notifications service for coordinating the delivery of messages to subscribing endpoints and clients.
4	Managed Message Queuing Service or equivalent	Simple Queue Service (SQS) is a fully managed message queuing service that makes it easy to decouple and scale micro services, distributed systems, and server less applications. Building applications from individual components that each perform a discrete function improves scalability and reliability and is best practice design for modern applications. SQS makes it simple and cost-effective to decouple and coordinate the components of a cloud application.
5	Cloud HSM or equivalent	CloudHSM is a cloud-based hardware security module (HSM) that enables you to easily generate and use your own encryption keys on the Cloud
6	Big data processing as a service	securely and reliably handles a broad set of big data use cases, including log analysis, web indexing, data transformations (ETL), machine learning, financial analysis, scientific simulation, and bioinformatics.
7	Cache management as a service or equivalent	Cache offers fully managed Redis and Memcached. Seamlessly deploy, operate, and scale popular open source compatible in-memory data stores. Build data-intensive apps or improve the performance of your existing apps by retrieving data from high throughput and low latency in-memory data stores. Cache is a popular choice for Gaming, Ad-Tech, Financial Services, Healthcare, and IoT apps.
8	Elastic Search or equivalent	Search capabilities for web caching and other caching requirements
9	Data Streams or equivalent	Real time data stream processing for IOT and other transactional services

10	Simple Workflow Service or equivalent	Workflow management for sync or async calls
11	Cloud Formation or equivalent	Infrastructure as a code
12	Cloud AUDIT Trail or equivalent	Audit, Server, DNS, Network ,Storage and security devices
13	Device based Data migration services	Data migration device for Bulk Data migration to Cloud - In TB for 10 days
14	Storage Gateway or equivalent	Using edge device for cloud as storage
15	Web App Hosting as a Service	<p>The proposed solution should be in the form of software,should support hosting web applications based on .NET, .NET Core, Java, Ruby, Node.js, PHP or Python or any other language as per department requirement, solution should support manual or automatic scale-out or scale-in based on demand and on schedule,The proposed solution should support autoscale based on cpu, memory, disk, network and web server performance metrics,The proposed solution should support application templates such as WordPress, Joomla or Drupal,The proposed solution should support continuous integration and deployment through popular code repositories such as GitHub and Bitbucket,The proposed solution should support test and staging environments within the same production application instance. The solution should support swapping live sites between test, staging and production environments,The proposed solution should support integration with on-premises systems,The proposed solution should be ISO, SOC and PCI compliant,The proposed solution should support running application code without having to explicitly provision or manage infrastructure and pay only for the compute time that the code actually uses,The proposed solution should support scaling up to larger system configuration or scale down to a smaller system configuration without redeploy the application.The proposed solution should support automatic OS updates and management.The proposed solution should support SSL,TLS mutual authentication, Backup, FTPS, Custom Domains, Application Cloning and Remote Debugging.The proposed solution should support Windows, Linux and container based application hosting.The proposed solution should support a built-in monitoring functionality and alert based notification.The proposed solution should support different routing methods for routing user traffic between various application instances based on priority, weights, geographical location.The proposed solution should support role based access control with different capabilities between operational and administrative roles.</p> <p>The proposed solution should support SLA of at least 99.95%The proposed solution should support content delivery networks for caching static content. The proposed solution should support web application firewalls compliant with OWASP 3.0 ruleset.</p>
16	API as a service	<p>The proposed solution should be in the form of software,The proposed solution should support publishing API's to external, partner, and internal developers,The proposed solution should support a gateway system to accept API calls and route them to api backends, verify API keys, JWT tokens, certificates and other type of credentials, enforce API usage quotas and rate limits, transform API on the fly without code modifications, cache backend responses, log call metadata for analytics purposes,The proposed solution should support administrative portal system to define or import API schema, package APIs into products, set up policies like quotas or transformations on the APIs, get insights from analytics and manage users,The proposed solution should support developer portal system to read API documentation, try out an API via the interactive console, create an account and subscribe to get API keys, access analytics on their own usage,The proposed solution should support a built-in monitoring functionality and alert based notification,The proposed solution should support role based access control with different capabilities between operational and administrative roles,The proposed solution should support SLA of at least 99.9%</p> <p>SMS Gateway integration + 1 lakh SMS (Pull/Push)</p> <p>Pack of 1 lakh SMS (Pull/Push)</p> <p>Payment Gateway integration</p> <p>UID integration for authentication</p> <p>Metadata integration for common database</p>

<p>17</p>	<p>Enterprise Mailing Solution as a service</p>	<p>The proposed cloud-based enterprise mailing solution should be a commercially available enterprise class SAAS Solution. The proposed enterprise mailing solution should have minimum 100 GB Active Mailbox size capacity for Users. Proposed solution's Cloud infrastructure should be hosted in India based Data Centre, including DR and BCP data centers. No email data sharing/replication should be done to any Data Centre outside the boundaries of the country.</p> <p>The proposed enterprise solution of the bidder should be certified with following ISO & SOC-</p> <ul style="list-style-type: none"> a) ISO 27001:2013 b) ISO / IEC 20000-1:2011 c) SSAE 16/SOC 1 Type I and Type II & SOC 2 Type II d) ISO 9001: 2015 e) ISO 27017:2014 & ISO 27018:2014 f) Web Content Accessibility Guidelines 2.0 (WCAG 2.0) <p>The enterprise mailing solution should be actively supported by enhancements/bug fixes to the existing solution by the OEM. The proposed enterprise mailing solution should provide high availability and load Balancing and Disaster Recovery capability in built within the Cloud Platform.</p> <p>The Proposed solution should provide access mail services and data via secured internet access through mobility devices – Smartphones, Tablets etc.</p> <p>The proposed enterprise mailing solution should have unlimited mails archival capacity</p> <p>Proposed solution should be able to preserve all mails in the cloud and associated data within the mails even if the user chooses to delete mails from his/her inbox.</p> <p>The solution should provide support to major languages of India at least for Marathi, Hindi and English</p> <p>The proposed enterprise mailing solution should support multiple domains on a single cloud based tenant.</p> <p>Solution should have self healing mechanism to automatically detect service depreciated or unavailable states and take automatic remedial steps like restarting the affected services, failing over user mailbox data to healthy servers etc. without admin intervention.</p> <p>Proposed solution should provide Multi Factor Authentication through 2 Factor Authentication App, Phone Call, Randomly generated pass code or a supported Biometric Device based authentication.</p> <p>Should natively support server-side and client-side calendaring and scheduling, including:</p> <ul style="list-style-type: none"> - Checking the online availability of intended attendees for a meeting - Sending of request for meetings - Accept or reject meeting requests - Provide conflict management for meetings - Reply to requests for meeting with a newly proposed time and date - View free busy status of a group of users in a single window and ability to schedule the meeting with all the users in the windows - Should automatically recommend ideal meeting times when all/most people are available. <p>The Enterprise Mail Solution Ability to index Corporate Address book and personal address book alphabetically. All address books must available to the users through rich client, web client and supported mobile devices.</p> <p>The proposed enterprise mailing solution should support accessing mails on popular mobile platforms for Windows, Android and iOS platforms through OEM owned and managed Mobile apps including Mobile App Updates.</p> <p>The proposed enterprise mailing solution should be configured for security policy (Password policies) enforcement and remote erase capability for smartphones to protect data on supported mobile devices</p>
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	<p>The solution should support encryption on device and memory card to prevent unauthorized access of data on supported mobile devices.</p> <p>The proposed enterprise mailing solution should provide capability to synchronize personal contacts and should also support global address look up on supported mobile devices</p> <p>The proposed enterprise mailing solution should allow administrator to remotely fully wipe or selective wipe the user mobile devices via the admin portal.</p> <p>Should be capable of administration through a single window interface to provide service level control and configuration of the enterprise mailing solution.</p> <p>Solution should allow to configure Customize Anti-Spam Policies, Solution should provide Built-In Anti-Malware Protection, Solution should allow to configure Customize Anti-Malware Policies,</p> <p>The proposed solution should provide at least 99.9% Uptime of mailing services</p> <p>The proposed solution should provide on Online Service Health Dashboard</p> <p>Solution Service provider should be supported by 24X7 support from OEM on Email and Call support through Administration Portal call logging of Service Requests.</p> <p>Solution should provide the services through the OEM's latest version of services without requiring any upgrade or additional investments</p> <p>Proposed Enterprise Mailing Solution Platform should provide the following reports natively:</p> <ul style="list-style-type: none">a) User-reported messages reportb) Top malware reportc) Top senders and recipients reportd) Spoof mail reporte) Spam detections reportf) Sent and received email report <p>Proposed mailing solution should have native inbuilt security against Zero Day attacks (against unknown malware and viruses) and should provide the following capabilities and should integrated with the proposed Enterprise Mailing Solution Platform natively:</p> <p>URL Scanning and Safe URL Masking with real time of click protection</p> <p>Attachments Scanning and removal/quarantine of attachments in case of being malicious protecting against unknown malware and viruses, and provides zero-day protection to safeguard the proposed messaging system.</p> <p>Spoof Intelligence – detecting when a sender appears to be sending mail on behalf of one or more user accounts within the organization's domains</p> <p>Quarantine for messages identified as spam, bulk mail, phishing mail, containing malware, or because they matched a mail flow rule</p> <p>ATP Solution extend coverage for Email service, Online File Storage and Sharing service, Online Portal and Authoring applications Service natively without the need of any third party component.</p> <p>Solution should support immediately Delivery of message without delay followed by auto appending of attachment/s once scanned and found to be safe along with a message to user stating the attachment is being scanned</p>
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<p>18</p>	<p>Enterprise Open source Mailing Solution as a service</p>	<p>The proposed enterprise mailing solution should have minimum 100 GB Active Mailbox size capacity for Users . Proposed solution's Cloud infrastructure should be hosted in India based Data Centre, including DR and BCP data centers. No email data sharing/replication should be done to any Data Centre outside the boundaries of the country.</p> <p>The proposed enterprise mailing solution should provide high availability and load Balancing and Disaster Recovery capability in built within the Cloud Platform.</p> <p>The Proposed solution should provide access mail services and data via secured internet access through mobility devices – Smartphones, Tablets etc.</p> <p>The proposed enterprise mailing solution should have unlimited mails archival capacity Proposed solution should be able to preserve all mails in the cloud and associated data within the mails even if the user chooses to delete mails from his/her inbox.</p> <p>The solution should provide support to major languages of India at least for Marathi, Hindi and English, The proposed enterprise mailing solution should support multiple domains on a single cloud based tenant. Solution should have self healing mechanism to automatically detect service depreciated or unavailable states and take automatic remedial steps like restarting the affected services, failing over user mailbox data to healthy servers etc. without admin intervention.</p> <p>Proposed solution should provide Multi Factor Authentication through 2 Factor Authentication App, Phone Call, Randomly generated pass code or a supported Biometric Device based authentication. Should natively support server-side and client-side calendaring and scheduling.</p> <p>The Enterprise Mail Solution Ability to index Corporate Address book and personal address book alphabetically. All address books must available to the users through rich client, web client and supported mobile devices. The proposed enterprise mailing solution should support accessing mails on popular mobile platforms for Windows, Android and iOS platforms through OEM owned and managed Mobile apps including Mobile App Updates.</p> <p>The proposed enterprise mailing solution should be configured for security policy (Password policies) enforcement and remote erase capability for smartphones to protect data on supported mobile devices. The solution should support encryption on device and memory card to prevent unauthorized access of data on supported mobile devices. The proposed enterprise mailing solution should provide capability to synchronize personal contacts and should also support global address look up on supported mobile devices. The proposed enterprise mailing solution should allow administrator to remotely fully wipe or selective wipe the user mobile devices via the admin portal.</p> <p>Should be capable of administration through a single window interface to provide service level control and configuration of the enterprise mailing solution.</p> <p>Solution should allow to configure Customize Anti-Spam Policies, Solution should provide Built-In Anti-Malware Protection, Solution should allow to configure Customize Anti-Malware Policies,</p> <p>The proposed solution should provide at least 99.9% Uptime of mailing services The proposed solution should provide on Online Service Health Dashboard Solution Service provider should be supported by 24X7 support from OEM on Email and Call support through Administration Portal call logging of Service Requests. Solution should provide the services through the OEM's latest version of services without requiring any upgrade or additional investments</p>
<p>19</p>	<p>Instant Messaging and Online Meetings</p>	<p>The proposed solution should be a commercially available enterprise class SAAS Solution. Proposed solution's Cloud infrastructure should be hosted in India based Data Centre, including DR and BCP data centers. No data sharing/replication should be done to any Data Centre outside the boundaries of the country. The proposed enterprise solution of the bidder should be certified with following ISO & SOC-</p>

a) ISO 27001:2013
b) ISO / IEC 20000-1:2011
c) SSAE 16/SOC 1 Type I and Type II & SOC 2 Type II
d) ISO 9001: 2015
e) ISO 27017:2014 & ISO 27018:2014
f) Web Content Accessibility Guidelines 2.0 (WCAG 2.0)

The proposed solution should provide high availability and load Balancing and Disaster Recovery capability in built within the Cloud Platform with 99.9% uptime

The Proposed solution should provide access services and data via secured internet access through mobility devices – Smartphones, Tablets etc through a OEM owned first party App including App updates.

Ability to provide conferencing—that is, simultaneous shared communication— between 2 to 250 parties with any combination of the following five functional types:

a) Voice over IP communications
b) Video communications
c) Web collaboration via presentation of documents, applications, and desktops including Desktop Sharing and Application Sharing
d) Web collaboration via joint editing and control of documents, applications, and desktops
e) Whiteboard, with the ability to cut and- paste content of any type
f) Allow File Transfer during the user session
g) Allow Address Book Integration for user search and Org Hierarchy view in contact card
h) Allow Calendar Integration with Enterprise Mail and Messaging solution native integration
i) Presence integration into Mailing, Portal, Authoring Applications (Office Applications) and other proposed solution to see Free/Busy and Current Status information and initiate a Chat/Audio Video Meeting instantaneously

Ability to record conferences for later reviews, optionally to include collaborative content, voice, and/or video. Ability to publish these recordings to a location that is accessible by others.

Ability to integrate with supported room based video conferencing system that can be directly registered as a end point to cloud based proposed Online Meeting and Instant Messaging solution

Cloud based collaborative solution should mandatorily support meeting joining experience from all the latest browser and delivers a full online meeting experience including IM, voice, multiparty video, data collaboration and sharing

Ability of the cloud based Online Meeting and Instant Messaging solution to support a meeting to upto 250 participants in a single session

Ability of the attendees of cloud-based broadcast to connect on thick client or on mobile & on browser

Ability to record meeting in the cloud & making it available for future reference

Ability of the cloud based Online Meeting and Instant Messaging solution broadcast meeting organizer to set the attendee joining experience as authenticated or as anonymous

Proposed Solution should allow File Sharing through the IM and Meeting applications both through basic Rich Client and through Browser interfaces

Proposed Solution should allow taking remote of the end point through Client application

Proposed Solution should have an inbuilt centralised Admin console for Administration and Reporting

Solution Service provider should be supported by 24X7 support from OEM on Email and Call support through Administration Portal call logging of Service Requests.

20 Online File Storage and Collaboration (Co-Authoring) solution	<p>The proposed solution should be a commercially available SAAS Solution.</p> <p>Proposed solution's Cloud infrastructure should be hosted in India based Data Centre, including DR and BCP data centers. No data sharing/replication should be done to any Data Centre outside the boundaries of the country.</p> <p>The proposed enterprise solution of the bidder should be certified with following ISO & SOC-</p> <ul style="list-style-type: none">a) ISO 27001:2013b) ISO / IEC 20000-1:2011c) SSAE 16/SOC 1 Type I and Type II & SOC 2 Type IId) ISO 9001: 2015e) ISO 27017:2014 & ISO 27018:2014 <p>Web Content Accessibility Guidelines 2.0 (WCAG 2.0)</p> <p>The proposed solution should be actively supported by enhancements/bug fixes to the existing solution by the OEM. There should be future roadmap of the solution for next 5+ years.</p> <p>The Proposed solution should not include any individual components running on Beta version</p> <p>The proposed solution should provide high availability and load Balancing and Disaster Recovery capability in built within the Cloud Platform with 99.9% uptime</p> <p>The Proposed solution should provide access services and data via secured internet access through mobility devices – Smartphones, Tablets etc.</p> <p>For Regular users, the proposed Solution should provide minimum of 1TB (extendable upto 5TB) of Online Cloud Storage per user and Sync Capabilities of Data within User End Points (Laptop/Desktops) and Online Cloud Storage (without any third-party component)</p> <p>For Senior users (Selective User Profiles – SDC to do user profiling), the proposed Solution should provide unlimited Online Cloud Storage capacities per user and Sync Capabilities of Data within User End Points (Laptop/Desktops) and Online Cloud Storage (without any third-party component)</p> <p>The proposed solution should allow users to access documents/Spreadsheets/PowerPoint and other standard Office file formats and edit simultaneously i.e. should support Co-authoring by multiple users on real time basis</p> <p>The proposed Solution should allow Desktop, Mobile Apps (Android, iOS and Windows) and Browser based access and experience of Online Cloud based File Storage</p> <p>Proposed Solution should have an inbuilt centralized Admin console for Administration and Reporting</p> <p>Proposed solution should allow users to attach the documents from the Online Cloud based File Storage and Sharing platform into the proposed email solution as Placeholders (placeholder with file Link within the Online Cloud storage) without attaching the original file and hence allow mail size optimization along with automated versioning in case of file updates.</p>
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21	Cloud based Enterprise Office Productivity suit	<p>The proposed subscription should provide service for the latest version of the Office (desktop/laptop installed) applications and browser based (Online) access of the following authoring applications Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Microsoft OneNote, Microsoft Outlook, Microsoft Publisher, Microsoft Access, Microsoft Skype for Business Client Office coverage for iOS, Android and Windows SmartPhones and Tablets with per user subscription install rights of Office on 5 PCs or Macs, 5 tablets (Windows, iPad, and Android), and 5 phones Should provide 1 TB of Cloud based storage per user subscription Browser based access to these authoring applications Proposed solution should allow Self Service Business Intelligence Capabilities in Excel allowing user to use capabilities like Power Query, model and analyze the data with Power Pivot, and visualize insights in interactive reports and maps with Power View and Power Map Solution should not need to pay for version upgrades; updates should be included in the subscription along with new features rollout regularly Should allow centralised deployment and management. Solution Service provider should be supported by 24X7 support from OEM on Email and Call support through Administration Portal call logging of Service Requests.</p>
22	Cloud based open source Office Productivity suit	<p>Office coverage for iOS, Android and Windows SmartPhones and Tablets with per user subscription install rights of Office, tablets and Phones Solution should not need to pay for version upgrades; updates should be included in the subscription along with new features rollout regularly Should allow centralised deployment and management. Solution Service provider should be supported by 24X7 support from OEM on Email and Call support through Administration Portal call logging of Service Requests.</p>
23	SAP Basis support - cover 24x7 support via ticket, chat & email	SAP Basis support for Non HANA - Rate X Per user X Per VM/Per month
24	SAP Basis support - cover 24x7 support via ticket, chat & email	SAP Basis support for HANA - Per instance Per hour rate
25	Dual Factor Authentication (Per User)	
26	Dual Factor Authentication Per 5000 Users	
27	Dual Factor Authentication Per 50000 Users	
28	Triple/Multi Factor Authentication (Per User)	

29	Triple/Multi Factor Authentication Per 5000 Users	
30	Triple/Multi Factor Authentication Per 50000 Users	
31	Business Intelligence tools as a Service (BlaaS) using MS SQL server	Service Offering required as below.
Pack 1-Small		
Total Records/Rows		5000000
Users		10
Custom Reports/Dashboard		4
No. of Databases		2
Reporting Parameters		30
Scheduled Emails		Unlimited
Export to excel and ppt		Unlimited
Helpdesk Support		9:00-18:00
Training and Handholding		2 days
Pack 2 Medium		
Total Records/Rows		20000000
Users		50
Custom Reports/Dashboard		8
No. of Databases		5
Reporting Parameters		70
Scheduled Emails		Unlimited
Export to excel and ppt		Unlimited
Helpdesk Support		9:00-18:00
Training and Handholding		4 days
Pack-3 Large		
Total Records/Rows		50000000
Users		100
Custom Reports/Dashboard		12
No. of Databases		9
Reporting Parameters		120
Scheduled Emails		Unlimited
Export to excel and ppt		Unlimited
Helpdesk Support		9:00-18:00
Training and Handholding		8 days

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32	Add-on components for BaaS	
	Additional Report	
	Additional Users	
33	Load Balancer as a Service (for each device)	
34	Interoperability as a service	<p>For SaaS, user interfaces, APIs, protocols and data formats are interoperable as defined for cloud services. Whenever possible, support for standard APIs, protocols, and data formats should be supported. cloud service provider supports key open technologies (open standards and/or open source) for admin and business interfaces</p> <p>Should support implementing an Enterprise Service Bus (ESB) to perform interface, protocol, and data transformations to address differences between cloud services from different providers, to ensure that the application dependencies (web server, database server, etc.) supported by different cloud service providers are compatible.</p> <p>The proposed solution should support use of an intermediary, an “inter-cloud provider”, to help address and solve the issues of integration, interoperability and portability of multiple cloud services. Alternatively, should support use of tools such as CMPs that can integrate with multiple cloud services</p> <p>Ensure that services provided by the cloud service providers should support and leverage SOA design principles and can utilize and expose APIs to enable interoperability. Ensure that the security technologies supported by the second cloud service are usable by the first cloud service when it uses the capabilities of the second cloud service during interoperability.</p>
	Units explanation	

Access control as a service or equivalent	Rs. ८५ Per user
Simple Notification Service or equivalent	Rs. १०० Per १००० notifications Per Month
Managed Message Queuing Service or equivalent	Rs. ०.१० per queue request
Cloud HSM or equivalent	Rs. १४९००० per Cloud Based HSM service per Month
Big data processing as a service	Rs. २०००० per Instance Per Month
Cache management as a service or equivalent	Rs. १०००० Per १०० GB Cache Service
Elastic Search or equivalent	Rs. २०००० per Instance Per Month
Data Streams or equivalent	Rs. ५ Per data stream per month
Cloud AUDIT Trail or equivalent	Rs. ४५० Per Device Per Month
Device based Data migration services	Rs. ५००० Per TB
Storage Gateway or equivalent	Rs. १००० per instance per month
API as a service	Rs. १० per API Call

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Enterprise Mailing Solution as a service	Rs. ६६० per user per month (Exchange Online Plan २)
Enterprise Open source Mailing Solution as a service	Rs. ४१० per user per month
Instant Messaging and Online Meetings	Rs. ३५३ per user per month
Online File Storage and Collaboration (Co- Authoring) solution	Rs. ६६० per user per month
Cloud based Enterprise Office Productivity suit	Rs. ७९५ per user per month
Cloud based open source Office Productivity suit	Rs. १५०० per user per month
SAP Basis support – cover २४x७ support via ticket, chat & email	₹ ५५०.००
SAP Basis support – cover २४x७ support via ticket, chat & email	₹ ७५०.००
Dual Factor Authentication (Per User)	Rs. २६० Per user
Dual Factor Authentication Per ५००० Users	Rs. २०० Per user
Dual Factor Authentication Per ५०००० Users	Rs. १५० Per user
Triple/Multi Factor Authentication (Per User)	Rs. ३६० Per user
Triple/Multi Factor Authentication Per ५००० Users	Rs. ३०० Per user
Triple/Multi Factor Authentication Per ५०००० Users	Rs. २५० Per user
