PERJANJIAN AKTIVASI LAYANAN ANTARA

DIREKTORAT PERHUBUNGAN ANGKATAN DARAT DENGAN

PERUSAHAAN PERSEROAN (PERSERO) PT TELEKOMUNIKASI INDONESIA TEK **TENTANG**

JASTEL SEWA MANAGE SERVICE DATA CENTER DISSINFOLAHTA ANGKATAN DARAT

Nomor: K.TEL.258/HK.810/DGS-A1000000/2020

Pada hari ini Kamis tanggal Tiga Puluh bulan Juli tahun Dua Ribu Dua Puluh (30-07-2020), kami yang bertanda tangan di bawah ini :

1. Nama

: Masri S.Sos.

Pangkat : Brigjen TNI

Jabatan : Wakapushubad

Alamat

: Jl Letjen S. Parman No. 103 Tomang, Grogol, Jakarta Barat

Dalam hal ini bertindak untuk dan atas nama jabatannya selaku Pejabat Pembuat Komitmen (PPK) berdasarkan Surat Keputusan Kasad Nomor Kep/504/VI/2020 tanggal 8 Juni 2020 tentang Pengangkatan Pejabat Pembuat Komitmen (PPK) Pengadaan Tingkat Pusat TA 2020, yang selanjutnya disebut sebagai PIHAK PERTAMA.

2. Nama

: Indrawan Ditapradana

Jabatan : Executive Vice President Divisi Government Service

Alamat

: Jalan Japati No. 1 Bandung, berkantor Jalan Kebon Sirih No. 12 Jakarta Pusat

Dalam hal ini bertindak untuk dan atas nama Perusahaan Perseroan (Persero) PT Telekomunikasi Indonesia Tbk, NPWP: 01.000.013.1-093.000, sebuah perusahaan penyedia jaringan dan penyedia jasa Telecommunication, Information, Media, Edutainment, dan Services (TIMES), berkedudukan di Jalan Japati Nomor 1 Bandung 40133, berkantor di Jalan Kebon Sirih No 12 Jakarta Pusat, yang dibentuk dan didirikan berdasarkan Akta Nomor 128 tanggal 24 September 1991 dibuat di hadapan Imas Fatimah, S.H., Notaris di Jakarta yang telah mendapatkan Pengesahan dari Menteri Kehakiman Republik Indonesia Nomor: C2-6870.HT.01.01.th.91 tanggal 19 November 1991, sebagaimana terakhir diubah dengan Akta Nomor 12 tanggal 10 Juli 2020, dibuat di hadapan Notaris Ashoya Ratam, S.H., M.Kn. dan telah disahkan berdasarkan Keputusan Menteri Hukum dan HAM RI Nomor: AHU-AH.01.03-0291419 tanggal 16 Juli 2020 tentang Persetujuan Perubahan Anggaran Dasar Perseroan Terbatas Penerimaan Pemberitahuan Perubahan Data Perseroan Perusahan Perseroan (Persero) PT. Telekomunikasi Indonesia Tbk, selanjutnya disebut PIHAK KEDUA.

Secara masing-masing disebut PIHAK dan secara bersama-sama disebut PARA PIHAK.

Dengan terlebih dahulu mempertimbangkan hal-hal sebagai berikut:

- a. Perjanjian Kerjasama antara Direktorat Perhubungan Angkatan Darat dengan PT Telekomunikasi Indonesia Tbk Nomor 02/DN/JASTEL/DITHUBAD/2020 tanggal 12 Februari 2020 tentang Jasa Telekomunikasi TNI AD TA 2020 sebagaimana telah diubah dalam Addendum Surat Perjanjian Nomor: 02.a/DN/JASTEL/DITHUBAD/2020, selanjutnya disebut sebagai Kontrak Payung.
- Surat Kapushubad Nomor: B/1912/VII/2020 tanggal 14 Juli 2020 perihal Permohonan
 Dukungan Layanan Jastel Sewa Manage Service Data Center Angkatan Darat;
- c. Minutes of Meeting tanggal 16 Juli 2020 perihal Rapat Koordinasi Teknis Permohonan Dukungan Layanan Jastel Sewa *Manage Service* Data *Center* Dissinfolahta Angkatan Darat;
- d. Surat TELKOM Nomor: Tel.2526/YN.000/DGS-A1000000/2020 tanggal 24 Juli 2020 perihal Surat Penawaran Harga Pembayaran Layanan Jastel Sewa Manage Service Data Center Dissinfolahta Angkatan Darat;
- e. Minutes of Meeting tanggal 29 Juli 2020 tentang Pembahasan Kesepakatan Harga dan Mekanisme Pembayaran Permohonan Dukungan Layanan Jastel Sewa *Manage Service* Data *Center* Dissinfolahta Angkatan Darat.

Berdasarkan pertimbangan tersebut diatas **PARA PIHAK** sepakat membuat Perjanjian turunan dari Kontrak Payung yang dibuat dalam bentuk Perjanjian Aktivasi Layanan (PAL) Jastel Sewa Manage Service Data Center Dissinfolahta Angkatan Darat .

Dengan ketentuan dan syarat-syarat sebagaimana tercantum dalam pasal-pasal berikut :

PASAL 1 LINGKUP PEKERJAAN

PIHAK PERTAMA memberikan Pekerjaan Jastel Sewa Manage Service Data Center Dissinfolahta Angkatan Darat kepada PIHAK KEDUA dan PIHAK KEDUA menerima dan melaksanakan PAL Jastel Sewa Manage Service Data Center Dissinfolahta Angkatan Darat sebagaimana terlampir pada lampiran I PAL ini.

PASAL 2 BIAYA LAYANAN

Total biaya Layanan sebagaimana tersebut pada Pasal 1 diatas adalah sebesar Rp 35.000.000.000,000 (Tiga Puluh Lima Milyar Rupiah) sudah termasuk PPN 10% dan Pajak-pajak lainnya.

PASAL 3

CARA PEMBAYARAN

- (1) Pembayaran biaya layanan sebagaimana tersebut dalam Pasal 2 ini oleh PIHAK PERTAMA kepada PIHAK KEDUA akan ditagihkan melalui Coklit Tagihan L-15/SPH a.n. Mabesad Balakpus TNI AD sesuai ketentuan yang diatur pada Kontrak Payung;
- (2) Pembayaran biaya layanan sebagaimana disebutkan diatas, akan ditagihkan melalui coklit kelima dan coklit keenam dengan rincian sebagai berikut:
 - a. Coklit kelima sebesar 55% dari Nilai Kontrak;
 - b. Coklit keenam sebesar 45% dari Nilai Kontrak.

PASAL 4

JANGKA WAKTU PAL

Jangka waktu PAL Jastel Sewa Manage Service Data Center Dissinfolahta Angkatan Darat sejak 30 Juli 2020 s.d. 31 Desember 2020 dengan rincian sebagai berikut:

- a. Ready for Service paling lambat sampai dengan tanggal 1 September 2020;
- b. Jangka waktu penyediaan layanan sejak tanggal 1 September 2020 sampai dengan 31 Desember 2020.

PASAL 5

DENDA KETERLAMBATAN DAN KELALAIAN

Apabila pekerjaan tidak diserahkan seperti yang ditetapkan dalam Pasal 4 PAL ini tanpa alasan yang dapat diterima oleh PIHAK PERTAMA, maka PIHAK KEDUA akan dikenakan denda sebesar 1‰ (satu permil) dari harga pekerjaan untuk setiap hari keterlambatan.

PASAL 6

TEMPAT PENYERAHAN LAYANAN

Penyerahan Layanan dimaksud pada Pasal 1 di atas dilakukan oleh PIHAK KEDUA kepada PIHAK PERTAMA bertempat di JI Letjen S. Parman No. 103 Tomang, Grogol, Jakarta Barat. Serah Terima Layanan sebagaimana dimaksud Pasal ini dibuat dalam Berita Acara Serah Terima yang ditandatangani oleh PARA PIHAK.

PASAL 7

SERVICE LEVEL GUARANTEE (SLG)

- 1) PIHAK KEDUA memberikan Service Level Guarantee (SLG) layanan sebagaimana dimaksud Pasal 1 PAL ini adalah sebesar 99% (Sembilan Puluh Sembilan) persen;
- 2) Apabila layanan tidak mencapai SLG yang sudah ditentukan diatas, maka perhitungan restitusi mengacu sebagaimana diatur dalam Kontrak Payung.

PASAL 8 PENYELESAIAN SENGKETA

Segala perselisihan yang timbul dalam PAL ini akan diselesaikan oleh kedua belah pihak secara musyawarah. Apabila dengan jalan tersebut belum tercapai kesepakatan, maka kedua belah pihak sepakat untuk menyelesaikan perselisihan melalui Layanan Penyelesaian Sengketa Kontrak yang diselenggarakan oleh LKPP atau sesuai ketentuan yang diatur pada Kontrak Payung.

PASAL 9 LAIN-LAIN

- 1) Perubahan-perubahan yang dipandang perlu oleh PARA PIHAK, akan diatur dalam perubahan/tambahan ketentuan PAL (Addendum) yang merupakan ketentuan yang tak terpisahkan dari PAL ini.
- 2) PAL ini dibuat menjadi satu kesatuan ketentuan yang tidak terpisahkan dengan Kontrak Payung.

PASAL 10 PENUTUP

Demikian PAL Jastel Sewa Manage Service Data Center Dissinfolahta Angkatan Darat dibuat dan ditanda tangani oleh kedua belah pihak pada hari dan tanggal diatas dan dinyatakan sah dan mengikat terhitung mulai hari, tanggal, bulan dan tahun tersebut diatas.

PIHAK KEDUA,

PIHAK PERTAMA,

INDRAWAN DITAPRADANA
EVP DIVISI GOVERNMENT SERVICE

BRIGADIR JENDERAL TNI MASRI S.SOS.
WAKAPUSHUBAD

Lampiran I

Perjanjian Aktivasi Layanan (PAL) Jastel Sewa Manage Service Data Center Dissinfolahta Angkatan Darat Nomor: K.TEL.258/HK.810/DGS-A1000000/2020

Tanggal: 30 Juli 2020

Rincian Layanan dan Harga

A. Link Astinet dan ComTest

B. Perangkat CPE

	ю	Layenen		Sandwidth	Masa Sewa	Instales)	Karga Satuan	
\vdash	\dashv	Link Astinet dan ComTest	Qty	Satuen	(Bulan)	nistares:	neige secund	Jumleh
<u> </u>	•	Dank Astrict Gall Collinest	225	Mbps	4	2.500.000	158.403.725	636.114.900

_ <u></u>	Persongkan CPE				
No	Ketorangan	Jml Unit (Unit)	Satuan Waktu (Bulan)	Herga Satuen	Jumleh
1.	Security				
	a. DMZ Firewall (Fortinet FG-1800F)	 		<u> </u>	
	- 4 x 40GE QSFP+ slots, 12 x 25GE SFP28 /10GE	2	4	901.367.500	7.210.940,000
L	SFP+ slots, 2x10GE SFP+ HA slots, 8 x GE SFP slots, 18 x GE RI45				
	ports.	 		 	
-				 	
	b. Redundancy Internet Firewall (penambahan firewall existing) (Fortinet FG-10000)	1	4	496.731.250	1.986.925,000
	- 2 x 10GE SFP+ slots, 16 x GE SFP Slots, 16 x GE RI45 ports, 2 x GE RI45 Management ports,				2,500,525,000
	The state of the first ports,		<u> </u>		
	c. Web Application Firewall (Fortinet FWB-1000F)	1		 	
	- 2 x 10GE SFP+ ports, 2 x GE RJ45 ports,		4	609,207,000	2.436.828.000
	4 x GE RI45 bypass ports, 4 x GE SFP ports, 2 x GE management			 	
	ports dual AC power supplies, 2 TB storage				
_	d. Centralized logging & analysis				
	- 2x 10GbE RJ45, 2x 10GbE SFP+, 32TB storage	. 1	4	533.750.000	2.135.000.000
	To a source of the state of the				
	e. Optical	-			
	- 10GE SFP+ transceiver module, short range for all systems with	24	4		·
	SFP+ and SFP/SFP+ slots (Fortinet FG-TRAN-SFP+SR)		·	740.500	71.088,000
	- 1GE SFP SX transcelver module for all systems with SFP and	8	4	325.750	10,424.000
	SFP/SFP+ slots (Fortinet FG-TRAN-SX)				10.424.000
	f. Perpanjan License FortiGate-500D 1 Year				
		1	4	61.994.250	247,977,000
	Internetworking	·			
	a. Core Switch (Extreme Network X690)	2	4	700 000 7-0	
	- 48x 1Gb/10Gb SFP+ ports, 2x 10Gb/40Gb QSFP+ ports,		_	208.263,250	1.666.106.000
	4x 10Gb/25Gb/40Gb/50Gb/100Gb capable Q5FP28 ports - 770W AC power supply				
	- 7/UV AC power supply - Pwr Cord,10A,CEE 7/7,IEC320-C13				
\neg	- Optical				
	10 Gigabit Ethernet SFP+ module, 850nm, MMF 26-300m link,	- 33			
	LC connector	22	4	7.482.250	658.438,000
	 10 Gigabit Ethernet SFP+ module, 1310nm, SMF 10km link, LC 	28	4	12,487.750	
	connector			12,467./30	1.398.628.000
	 100Gb, QSFP28-QSFP28 Direct attach passive copper cable, 0.5m 1 Gb, 1000BASE-T, 100 m, RI 45 SFP 	2	4	1.729.500	13.836.000
	2 42, 10040751-1, 100 111, 10 45 5PP	22	4	1.787.000	157.256.000
	p. DMZ Switch (Extreme Network Summit X450-G2)				
	- 48x 10/100/1000BASE-T, 4x 10GBASE-X unpopulated SEP+, two 21Gb	2	4	49,209,000	393.672.000
	stacking ports, 1 Fixed AC PSU, 1 RPS port				
	- Optical		· · · · · · · · · · · · · · · · · · ·		
	10 Gigabit Ethernet SFP+ module, 850nm, MMF 26-300m link, LC connector	8	4	7.482.250	239.432.000
-+	40 Gigabit Ethernet QSFP+ passive copper cable assembly, 0.5m			7,102,123	239.432.000
_	length.	_ 2	4	1.567,500	12.540.000
9	Server Farm Switch (Extreme Network ExtremeSwitching XS90)	2	4		
	- Z4x 1Gb/10Gb SFP+ ports, 1x 10Gb/40Gh OSFP+ port			93.146.000	745.168.000
	2x 10Gb/25Gb/40Gb/50Gb/100Gb capable QSFP28 ports				
	- 770W AC power supply - Pwr Cord,10A,CEE 7/7,IEC320-C13				
+	- Optic				
	10 Gigabit Ethernet SFP+ module, 850nm, MMF 26-300m link,				
	LC connector	28	4	7.482.250	838.012.000
_	100Gb, QSFP28-QSFP28 Direct attach passive copper cable, 0.5m				
			- 4	1.729.500	13.836,000
- 10	TOR Switch (Extreme Network X690)	2	4	166.714.000	1 222 742 000
	- 48x 1Gb/10Gb SFP+ ports, 2x 10Gb/40Gb QSFP+ ports, 4x 1Gb/25Gb/40Gb/50Gb/40Gb/40Gb QSFP+ ports,			200.7 14.000	1.333.712.000
\dashv	4x 10Gb/25Gb/40Gb/50Gb/100Gb capable QSFP28 ports, 770W AC power supply				
	Pwr Cord,10A,CEE 7/7,IEC320-C13				
	- Optic	 -		_	
_[.	* 10 Gigabit Ethernet SFP+ module, 850nm, MMF 26-300m link, LC	8	- ,		
\perp	connector		4	7.482.250	239.432.000
+	 100Gb, QSFP28-QSFP28 Direct attach passive copper cable, 0.5m 	2	4	1.729.500	42.026.555
3. B	andwidth Management (sangfor IAM56)			4.725.000	13.836.000
_ -	Sangfor Internet Access Management Standard Packs, Including	2	4	389.532.000	3.116.256.000
	and a second sec	ı			

Randwidth Management Hear Authorstonder Link File 1 To 10				
Bandwidth Management, User Authentication, URL Filtering, Traffic Control, User Behaviour Audit, Content Audit, Proxy Server, Anti-proxy,				
Endpoints Management, Report Center, Multi-links(Link Load Balance)		L		
, Sangfor VPN				
- 4x10GbE SFP+ NIC				
- 4x SFP+ , 10G, Optical Module, Multi Mode(300M), 850NM				
PC AIO	——————————————————————————————————————			
- 17-9700	14	4	9,439,750	528.626.000
- 21.5" FHD Touch with Camera	——————————————————————————————————————			
- 8GB 2400MHz DDR4			- 	
- 1TB SATA			 	
- Intel HD Graphic				
- WF+BT - USB Keyboard & Mouse				
- Win 10 Pro				
WIII 20110				
Server (Dell R740)			-	
- PowerEdge R740 Server	2	4	100.816.250	806.530.000
- 2x Intel® Xeon® Silver 4215R 3.2G, 8C/16T, 9.6GT/s, 11 M Cache,			 - 	
Turbo, HT (130W) DDR4-2400			 	
- 3x 600GB 15K RPM SAS 12Gbps 512n 2.5in Hot-plug Hard Drive - 4x 32GB RDIMM, 3200MT/s, Dual Rank			T	
- 2x Jumper Cord - C13/C14, 4M, 250V, 10A				
No Operating System				
- IDRAC9 Enterprise with OpenManage Enterprise Advanced				
			 	
Video Wall Systems			 	
a. LED Seamless 49"	- 6	4	29.513.000	708,312,000
b. Push Out Front access Bracket Display	6	4	2.230.000	53.520.000
c. Video Well Processor, 4 HDMI Input, Wall Control 10 d. Struktur Rangka Videowali	1	4	87.568.750	350,275,000
THE TREATER	1	4	13.117.000	52.468.000
Fire Suppression System		·	ļ	
- 100 LB, CYL / 1-1/2" VALVE C/W TOP PILIG ADAPTER	1	4	69.267.250	277.069.000
- HFC-227EA CLEAN AGENT AS PER NEPA 2001, UL LISTED, FM			 	
APPROVED		 -		
- SUPERVISORY LATCHING SOLENOID - 100 LB, CYLINDER STRAP			 	
- LOCAL MANUAL CONTROL				
- PRESSURE SUPERVISORY SWITCH 500PSI (N/C)				
- 1-1/2" NPT FLEXIBLE CYLINDER HOSE				
- (360°) CENTRAL NOZZLE			 	
- PHOTO-ELECTRIC SMOKE DETECTOR SERIES 65A (*UL LISTED)				
		· · · · · · · · · · · · · · · · · · ·		
Cooling System				
a. AC Cassette 2 PK b. AC Cassette 1.5 PK	1	4	4.785.000	19.140.000
c. AC Split 2 PK	2	4	3.960,000	31.680,000
	5	4	1.760.000	35.200.000
Perpanjangan SSL Certificate	1	4		
 Wildcard SSL certificate untuk domain mabesad.mil.id, kartika.mil.id, 		*	11,327,500	45,310,000
dan persitpusa.or.id			 	
Perpanjengan License VMWare				
Production Support coverage Vinware Vicalize operation 7 standard				
(per CPU)	- 1	44	5.527,500	22.110.000
Production Support coverage Vmware vSphere 6 Enterprise Plus	1			
for 1 processor		4	23.925,000	95.700.000
				
Perpanjangan License DOubleTake	1	4	12,857,000	51,468,000
Untuk License software High Availability Double Take pada server email Zimbra				31,400,000
Services and Implementation		·-		
a. Assessment Existing Infrestructure	1			
. Design and optimization network infrastructure	1	1 1	150,000,000 150,000,000	150.000,000
Temporary Relocation	i	1	125,000,000	150.000.000 125.000.000
d. Fire Suppression Relocation and Installation	1	1	\$0.000,000	50.000.000
e, Installation and Configuration DMZ Firewall I. Installation and Configuration Internet Firewall	1	1	190.000.000	190,000,000
s. Installation and Configuration Web Application Firewall	1	1	185,000,000	185,000,000
n. Installation and Configuration Centralized Logging and Analytical		1	180.000.000	180,000,000
Installation and Configuration Core Switch	1	1	180.000,000	180.000,000
Installation and Configuration DMZ Switch	- 	1	190,000,000	190.000.000
c. Installation and Configuration Server Farm Switch	1	1	150,000,000	150,000,000
Installation and Configuration TOR Switch	1	î .	150.000,000	120,000,000 150,000,000
n Installation and Configuration Bandwidth Management	ī	1	195.000.000	195.000,000
Video Wall Installation and Configuration NOC PC AIO Installation and Configuration	1	1	80.000.000	80.000,000
p. Server installation and Configuration	14	1	2.000,000	28.000,000
Installation and Configuration Cooling System	2 -	1	10,000.000	20,000,000
System Integration	1 1	1	20.000.000	20.000,000
		1	378.431.000	378.431.000
		Jumlah (Sol	Total A + Sub Total B)	31 104 30 404
			PPH 2%	31.194,295.900 623.885.918
		Jumiah (Sub Total	A + Sub Total B) + PPH	32.818,181.818
			PPN 10%	3.181.818.182
			11,100,00	3.107.010.19519

Telkom C Indonesia

PIHAK PERTAMA,

RDICADID IEAIDEDAY TAYARAN

Lampiran II

Perjanjian Aktivasi Layanan (PAL) Jastel Sewa Manage Service Data Center Dissinfolahta Angkatan Darat

Nomor

: K.TEL.258/HK.810/DGS-A1000000/2020

Tanggal

: 30 Juli 2020

Dokumen Pendukung

(pada halaman berikutnya)

- 1. Surat Kapushubad Nomor: B/1912/VII/2020 tanggal 14 Juli 2020 perihal Permohonan Dukungan Layanan Jastel Sewa *Manage Service* Data *Center* Angkatan Darat;
- 2. Minutes of Meeting tanggal 16 Juli 2020 perihal Rapat Koordinasi Teknis Permohonan Dukungan Layanan Jastel Sewa *Manage Service* Data *Center* Dissinfolahta Angkatan Darat;
- Surat TELKOM Nomor: Tel.2526/YN.000/DGS-A1000000/2020 tanggal 24 Juli 2020 perihal Surat Penawaran Harga Pembayaran Layanan Jastel Sewa Manage Service Data Center Dissinfolahta Angkatan Darat;
- 4. Minutes of Meeting tanggal 29 Juli 2020 tentang Pembahasan Kesepakatan Harga dan Mekanisme Pembayaran Permohonan Dukungan Layanan Jastel Sewa *Manage Service* Data *Center* Dissinfolahta Angkatan Darat.

MARKAS BESAR TNI ANGKATAN DARAT PUSAT PERHUBUNGAN

Jakarta, 14 Juli 2020

Nomor

: B / *191*2 / VII / 2020

Klasifikasi : Biasa

Lampiran : -Perihal

: Permohonan dukungan layanan Jastel

sewa Manage Service Data Center

Angkatan Darat

Kepada

Yth. GM MPS DGS PT. Telkom

dî

Jakarta

1. Dasar:

- Peraturan Menteri Pertahanan Republik Indonesia Nomor 35 Tahun 2016 tanggal 26 Oktober 2016 tentang Penggunaan Jasa Telekomunikasi di Lingkungan Kementerian Pertahanan dan Tentara Nasional Indonesia:
- h. Surat Dirjen Kuathan Kemhan RI Nomor B/1004/10/08/11/DJKUAT tanggal 13 April 2020 tentang Persetujuan ijin layanan Jastel sewa Manage Service Data Center Angkatan Darat:
- Surat Kasad Nomor B/1448/V/2020 tanggal 6 Mei 2020 tentang Persetujuan ijin layanan Jastel sewa Manage Service Data Center Angkatan Darat:
- Keputusan Dirhubad Nomor Kep/720/XII/2019 tanggal 27 Desember 2019 tentang Program Kerja dan Anggaran Dithubad TA 2020 khususnya bidang Komunikasi:
- Surat Kapushubad Nomor B/1730/VI/2020 tanggal 29 Juni 2020 tentang Permohonan persetujuan penunjukan penyedia layanan Jastel sewa Manage Service Data Center Angkatan Darat:
- Addendum Perjanjian Kerjasama antara Direktorat Perhubungan Angkatan Darat dengan Perusahaan Perseroan (Persero) PT. Telkom, Tbk Nomor 02.a/DN/JASTEL/DITHUBAD/2020 tanggal 24 Februari 2020 tentang Jasa Telekomunikasi TNI AD TA 2020; dan
- Pertimbangan Pimpinan dan Staf Pushubad. a.
- Sehubungan dasar tersebut di atas, dalam rangka mendukung tugas pokok TNI AD, dengan hormat mohon dapatnya GM MPS DGS PT. Telkom untuk melaksanakan pekerjaan layanan Jastel sewa Manage Service Data Center Angkatan Darat dengan tetap mempertimbangkan ketentuan yang berlaku.

3. Demikian mohon dimaklumi.

a.n. Kepala Pusat Perhubungan TNI AD



Tembusan:

- 1. Kasad
- 2. Irjenad
- 3. Aslog dan Asrena Kasad
- 4. Kapushubad
- 5. Kadisinfolahtad
- 6. Ir Pushubad
- 7. Dirum Pushubad
- 8. Dircab Pushubad
- 9. Kasubditbinkom Sdircab Pushubad
- 10. EVP DGS PT. Telkom
- 11. EAM PT. Telkom
- 12. Manager Sales PT. Telkom
- 13. Manager Sales Engineer PT. Telkom
- 14. AM TNI AD PT. Telkom



	Minutes of Meeting Teknis
Tanggal	16 Juli 2020
Waktu	Pukul 09.00 s/d 12,00 WIB
Tempat	Ruang Rapat Lt. 5 Pushubad

Undangan dari	TNI AD Note Taker:
Tipe Rapat	Review Coordination Briefing Decision Making Others
Pimpinan Rapat	
Agenda	Rapat Koordinasi Teknis Permohonan Dukungan Layanan Jastel Sewa Manage Service Data Center Dissinfolahta Angkatan Darat
	HASILPEMBAHASAN

1. Dasar:

- Perjanjian Kerja Sama Nomor: 02/DN/JASTEL/DITHUBAD/2020 tanggal 12 Februari 2020 perihal Jasa Telekomunikasi TNI AD TA 2020 (Terlampir).
- Addendum Perjanjian Kerjasama Nomor: 02.a/DN/JASTEL/DITHUBAD/2020 tanggal 24 Februari 2020 perihal Jasa Telekomunikasi TNI AD TA 2020 (Terlampir).
- c. Surat dari Kapushubad TNI AD Nomor; B/1912/VII/2020 tanggal 14 Juli 2020 perihal Permohonan Dukungan Layanan Jastel Sewa Manage Service Data Center Angkatan Darat (Terlampir).

2. Pembahasan:

- a. Berdasarkan pada point 1 di atas, bahwa adanya kebutuhan dari Pushubad terhadap PT Telekomunikasi Indonesia Tbk terkait dukungan layanan Jastel Sewa Manage Service Data Center Dissinfolahta Angkatan Darat (terlampir).
- Telah disepakati bahwa PT Telekomunikasi Indonesia Tbk mendukung layanan Jastel Sewa Manage Service Data Center Dissinfolahta Angkatan Darat.
- PIC: Letkol CHB Agung Yudha Baskoro, S.Kom, Pushubad, HP 081214991076.

3. Tindak Lanjut:

- a. Telkom akan mengirimkan Surat Penawaran Harga.
- b. Pembahasan lebih lanjut untuk penetapan jumlah biaya dan skema pembayaran untuk dukungan dalam rangka kebutuhan jastel sewa Manage Service Data Center Dissinfolahta Angkatan Darat.

PT Telkom Indonesia (Persero) Tbk Divisi Government Service,

Sutoyo
Executive Account Manager

Kasubditbinkom Sdircab,

TEMOSTAL.

Hagustono Dwi Doso Warso, S.E., M.M Kolonel CHB NRP 1900025760865

Mengetahui: a/n Kepala Pusat Perhubungan TNI AD Direab,

Roedy, M.A.
Brigadir Jenderal TNI

Lampiran Daftar Hadir Peserta.

PT. TELKOM

No	Nama	Jabatan	NIK	Tanda Tangan
1,	sutous	73006/8AM	73017E	ر کے د
2.	Sutoko Mayrisa Fidya	Mar SE	83-0087	- 69
3.	Fidya	Mgr. Sales	800068	M
4.				
5.				
6.				
7				
8.				
9.				
10,				

Pusat Perhubungan TNI AD

No	Nama	Pangkat/NRP	Jabatan	Tanda Zangan
1.	PURRY	Bruszen WI	DIPEAG	27
2.	Hapistono	kolonel che	FOSULA-16ink	- TRAFILL
3.	46006 7.B	USTROC CHIS	Kobogyan.	
4.	Adi wakyu . P.	mayor Chb	lean Auris	Allohy/
5:	Elea Indi W.	Letla obb	Pourfrele	200 m
6.	Anton prasetyawan	serka	Baurtickom	Mag
7.				
8.				
9.				
10.				

Lampiran MOM Teknis Permohonan Dukungan Layanan Jastel Sewa Manage Service Data Center Dissinfolahta Angkatan Darat

Link Astinet dan ComTest

No	Layanan	. "		Bandwidth	Masa Sewa
			Qty	Satuan	(Bulan)
1	Link Astinet		220	Mbps	4

No		Keterangan	iml	Satua
1.	Security		<u> </u>	
	a.	DMZ Firewall (Fortinet FG-1800F)	2	Unit
		- 4 x 40GE QSFP+ slots, 12 x 25GE SFP28 /10GE		
		SFP+ slots, 2x10GE SFP+ HA slots, 8 x GE SFP slots, 18 x GE RJ45		
		ports.		
	b.	Redundancy Internet Firewall (penambahan firewall existing) (Fortinet FG-1000D)	1	Unit
		- 2 x 10GE SFP+ slots, 16 x GE SFP Slots, 16 x GE RI45 ports,		
		2 x GE RI45 Management ports,		
	C.	Web Application Firewall (Fortinet FWB-1000E)	1	Unit
		- 2 x 10GE SFP+ ports, 2 x GE RJ45 ports,		Oint
		4 x GE RI45 bypass ports, 4 x GE SFP ports, 2 x GE management		
7		ports dual AC power supplies, 2 TB storage		
	d.	Centralized logging & analysis	1	Unit
		- 2x 10GbE RJ45, 2x 10GbE SFP+, 32TB storage		Oline
\dashv	e.	Optical		
		10GE SFP+ transceiver module, short range for all systems - with	24	Unit
		SFP+ and SFP/SFP+ slots (Fortinet FG-TRAN-SFP+SR)		
		1GE SFP SX transceiver module for all systems with SFP and	8	Unit
-		SFP/SFP+ slots (Fortinet FG-TRAN-SX)		
	f.	Perpanjan License FortiGate-500D 1 Year	1	Unit
	Internetworking			
	a	Core Switch (Extreme Network X690)	2	Unit

No	Keterangan	Jml	Satua
	- 48x 1Gb/10Gb SFP+ ports, 2x 10Gb/40Gb QSFP+ ports,		
	4x 10Gb/25Gb/40Gb/50Gb/100Gb capable QSFP28 ports	7.7	
	- 770W AC power supply		
	- Pwr Cord,10A,CEE 7/7,IEC320-C13		
	- Optical		
	10 Gigabit Ethernet SFP+ module, 850nm, * MMF 26-300m link,	22	Unit
	LC connector		
	10 Gigabit Ethernet SFP+ module, * 1310nm, SMF 10km link, LC	28	Unit
	connector		
	100Gb, QSFP28-QSFP28 Direct attach * passive copper cable, 0.5m	2	Unit
	1 Gb, 1000BASE-T, 100 m, RJ 45 * SFP	22	Unit
	b. DMZ Switch (Extreme Network Summit X450-G2)	2	Unit
	48x 10/100/1000BASE-T, 4x 10GBASE-X unpopulated SFP+, two 21Gb		
	stacking ports, 1 Fixed AC PSU, 1 RPS port		
	- Optical		
	10 Gigabit Ethernet SFP+ module, 850nm, * MMF 26-300m link,	8	Unit
	LC connector		
	40 Gigabit Ethernet QSFP+ passive copper * cable assembly, 0.5m	2	Unit
_	length,		10 N3
	c. Server Farm Switch (Extreme Network ExtremeSwitching X590)	2	Unit
	- 24x 1Gb/10Gb SFP+ ports, 1x 10Gb/40Gb QSFP+ port,		
	2x 10Gb/25Gb/40Gb/50Gb/100Gb capable QSFP28 ports		y to the second
	- 770W AC power supply		
	- Pwr Cord,10A,CEE 7/7,IEC320-C13		
	- Optic		
	10 Gigabit Ethernet SFP+ module, 850nm, * MMF 26-300m link,	28	⊍nit
	LC connector		
	100Gb, QSFP28-QSFP28 Direct attach * passive copper cable, 0.5m	2	Unit
	d. TOR Switch (Extreme Network X690)	2	Unit
$oldsymbol{ol}}}}}}}}}}}}}}}$	- 48x 1Gb/10Gb SFP+ ports, 2x 10Gb/40Gb OSFP+ ports,		Y-III
	4x 10Gb/25Gb/40Gb/50Gb/100Gb capable QSFP28 ports,		
	- 770W AC power supply		
	Pwr.Cord,10A,CEE 7/7,IÈC320-C13		
_	- Optic		

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	- Barting - Barting - Barting - Barting		
No	Keterangan	Jml	Sa
	10 Gigabit Ethernet SFP+ module, 850nm, * MMF 26-300m link, LC	8	l
	connector		20. 2 to 2 t
	100Gb, QSFP28-QSFP28 Direct attach * passive copper cable, 0.5m	2	ı
<u> </u>			
3.	Bandwidth Management (sangfor IAM56)	2	į
	- Sangfor Internet Access Management Standard Packs, including		
	Bandwidth Management, User Authentication, URL Filtering, Traffic		
	Control, User Behaviour Audit, Content Audit, Proxy Server, Anti- proxy,		
	Endpoints Management, Report Center, Multi-links(Link Load Balance)		
	, Sangfor VPN		
<u></u>	- 4x10GbE SFP+ NIC		
	- 4x SFP+ , 10G, Optical Module, Multi Mode(300M), 850NM		
		440	
4.	PCAIO	14	Ú
-	- 17-9700		
	- 21.5" FHD Touch with Camera	32 5	iles i
ļ	- 8GB 2400MHz DDR4		857 JK
	- 1TB SATA	4	
	- Intel HD Graphic		
 	- WF+BT		
	- USB Keyboard & Mouse		
	- Win 10 Pro		
5.	Server (Dell R740)	2	Ü
	- PowerEdge R740 Server		0
	2x Intel® Xeon® Silver 4215R 3.2G, 8C/16T, 9.6GT/s, 11 M Cache,	a di adi d Navana	<u>د کیکاک</u> چدریوزی
	Turbo, HT (130W) DDR4-2400		
	- 3x 600GB 15K RPM SAS 12Gbps 512n 2.5in Hot-plug Hard Drive		
	- 4x 32GB RDIMM, 3200MT/s; Dual Rank		Antigo
	- 2x Jumper Cord - C13/C14, 4M, 250V, 10A		
	- No Operating System		
	iDRAC9 Enterprise with OpenManage Enterprise Advanced	27.00	
6.	Video Wall Systems		o projection of the control of the c
	a. LED Seamless 49"	- -	
	b. Push Out Front access Bracket Display	6	Ur
	c. Video Wall Processor, 4 HDMI Input, Wall Control 10	6	Ur
	d. Struktur Rangka Videowall	1	Ur Pak

No	Keterangan	Jml	s
	- 100 LB. CYL. / 1-1/2" VALVE C/W TOP PLUG ADAPTER		
	- HFC-227EA CLEAN AGENT AS PER NFPA 2001, UL LISTED, FM		
	APPROVED		+
	- SUPERVISORY LATCHING SOLENOID		+
	- 100 LB. CYLINDER STRAP		
	- LOCAL MANUAL CONTROL		
	- PRESSURE SUPERVISORY SWITCH 500PSI (N/C)		+
	- 1-1/2" NPT FLEXIBLE CYLINDER HOSE		-
	- (360°) CENTRAL NOZZLE		-
		<u></u>	1
	PHOTO-ELECTRIC SMOKE DETECTOR SERIES 65A (*UL LISTED)		
8.	Cooling System	-	_
<u></u>			lacksquare
		1	
		2	
	c. AC Split 2 PK	5	
9.	Perpanjangan SSL Certificate	1	
	Wildcard SSL certificate untuk domain mabesad mil.id, kartika mil.id,		
	dan persitpusa.or.id	10 10 10 10 10 10 10 10 10 10 10 10 10 1	
	uan persupusa.or.ia		
10.	Perpanjangan License VMWare		
	Production Support coverage Vmware Vrealize operation 7		
	standard	1	ા
	(per CPU)		
	Production Support coverage Vmware vSphere 6 Enterprise Plus	1	į
	for 1 processor		3/
			Anny Post
11.	Perpanjangan License DOubleTake	1	٠, ١
	 Untuk License software High Availability Double Take pada server 		24.5 22.5
	email Zimbra		14. Feb.
12.	Services and Implementation		1,34
	a. Assessment Existing Infrastructure	1	
	b. Design and optimization network infrastructure		Pa
	c. Temporary Relocation	1	Pa
	d. Fire Suppression Relocation and Installation	1	Pa
	e. Installation and Configuration DMZ Firewall	1	Pa
	f. Installation and Configuration Internet Firewall	1	Pa
	8. Installation and Configuration Web Application Firewall	1	Pa
	h. Installation and Configuration Controlled Legislation Firewall	1	Pa
	h. Installation and Configuration Centralized Logging and Analytical i. Installation and Configuration Core Switch	1	Pa
	mistaliation and Cutiliguiation Core Switch	1 1	Pa
	j, Installation and Configuration DMZ Switch	1	Pa

No		Keterangan	Jml	Satuan
	L .	Installation and Configuration TOR Switch	1	Paket
	m.	Installation and Configuration Bandwidth Management	1	Paket
	n.	Video Wall Installation and Configuration	1	Paket
	0.	NOC PC AIO Installation and Configuration	14	Paket
	p.	Server Installation and Configuration	2	Paket
	q.	Installation and Configuration Cooling System	1	Paket
	r.	System Integration	1	Paket

PT Telkom Indonesia (Persero) Tbk Divisi Government Service,

Sutoyo

Executive Account Manager

Kasubditbinkom Sdircab,

Hagustono Dwi Doso Warso, S.E., M.M. Kolonel CHB NRP 1900025760865

Mengefahui, a/n Kepala Pusat Perhubungan TNI AD

Dircab,

Roedy, M.A. Brigadir Jenderal TNI



Nomor

: Tel. 2526 /YN.000/DGS-A1000000/2020

Jakarta, 24 Juli 2020

Kepada Yth.

Kapushubad

Pusat Perhubungan TNI AD

Jl. S. Parman No. 103

Jakarta Barat

Lampiran

: 1 (Satu) Lembar

Perihal

: Surat Penawaran Harga Pembayaran Layanan Jastel Sewa Manage Service Data Center Dissinfolahta Angkatan Darat

Pertama, kami ucapkan terima kasih atas kepercayaan TNI Angkatan Darat bekerja sama dengan Telkom untuk memenuhi kebutuhan layanan Jastel Sewa Manage Service Data Center Dissinfolahta Angkatan Darat.

Menindaklanjuti surat dari Kapushubad Nomor: B/1912/VII/2020 tanggal 14 Juli 2020 perihal Permohonan Dukungan Layanan Jastel Sewa Manage Service Data Center Angkatan Darat TA 2020 (Terlampir), maka dari itu kami mengajukan penawaran harga sebesar Rp 38,500,000,000, (Tiga Puluh Delapan Milyar Lima Ratus Juta Rupiah) sudah termasuk PPN dan pajak-pajak lainnya. Rincian harga penawaran di atas sebagaimana terlampir pada surat penawaran ini.

Selanjutnya untuk keperluan koordinasi terkait penawaran tersebut, kami tugaskan Executive Account Manager Telkom untuk TNI AD yaitu Sdr. Sutoyo dengan no telepon: 08126070476, atau e-mail: sut0y0@telkom.co.id

Demikian surat penawaran harga ini kami sampaikan, atas perhatian yang Bapak berikan kami ucapkan terima kasih.

PT Telkom Indonesia (Persero) Tbk



Lampiran Surat Penawaran Harga Nomor: Tel. **1516** /YN.000/DGS-A1000000/2020

1000/2020 RINCIAN KEGIATAN REVITALISASI DATA CENTER TNI AD TAHAPI

Link Astinet dan ComTest

2	Layanan	Band	Bandwidth	Masa Sewa	Instalasi	Haroa Catuan	Helmin	
		Qty	Satuan	(Bulan)				
	1 Link Astinet	225	Mbps	4	2.750.000	174.244,098	699.726.390	ĕ
				13 22.				
8	Keterangan			Jml Unit (Unit)	Satuan Waktu (Bulan)	Harga Satuan	Jumiah	
					1			
πi	Security							T
	a. DMZ Firewall (Fortinet FG-1800F)			1	4	001 FOA 250	000 NEO CEO 7	٤
	- 4 x 40GE QSFP+ slots, 12 x 25GE SFP28 /10	/10GE /			.)	OCALONICO	7.400.2007	3
	SFP+ slots, 2x10GE SFP+ HA slots, 8 x GE SFP slots, 18 x GE RJ45	SFP slots, 18 x	GE RI45					
	ports,							Τ
				(
	b. Redundancy Internet Firewall (penambahan		firewall existing) (Fortinet FG.	(1)	4	546 ANA 275	7 18E E17 E00	[8
	- 2 x 10GE SFP+ slots, 16 x GE SFP Slots, 16 x	6 x GE RJ45 ports,	ts,		1		D. / 10.000.	3
	2 x GE RU45 Management ports,							Τ
								Τ
	c. Web Application Firewall (Fortinet FWB-1000E)	OOE)		1	4	670 127 700	7 690 510 900	Ę
	- 2 x 10GE SFP+ ports, 2 x GE RJ45 ports,	\ \				2011/21:010	2:007.000.7	3]
			_	-	-			*

2.348.500.000

587.125.000

4 x GE R145 bypass ports, 4 x GE SFP ports, 2 x GE management

ports dual AC power supplies, 2 TB storage

2x 10GbE RJ45, 2x 10GbE SFP+, 32TB storage

d. Centralized logging & analysis

	- 10GE SFP+ transceiver module, short range for all systems with			-			
		24	4		814 SEO	78 10	72 105 200
		i (CT-O	30.0
	- 1GE SFP SX transceiver module for all systems with SFP and /	(8)	4		358.325	11 4E	11 466 400
•	SFP/SFP+ slots (Fortinet FG-TRAN-SX) / /				ì		3
		((
	f. Perpanjan License FortiGate-500D 1 Year	77	4		68,193,675	272.774.700	4 700
)					
7	Internetworking	((
	a. Core Switch (Extreme Network X690) /	(2	4		229.089.575	1.832.716.600	6 600
	- 48x 1Gb/10Gb SFP+ ports, 2x 10Gb/40Gb QSFP+ ports,						
	4x 10Gb/25Gb/40Gb/50Gb/100Gb capable QSFP28 ports						
-	- 770W AC power supply						
	- Pwr Cord,10A,CEE 7/7,IEC320-C13 -						
	- Optical	1					
	* 10 Gigabit Ethernet SFP+ module, 850nm, MMF 26-300m link,	/ 22 >	(4		8 230 475	774 781 800	1 800
)					
	* 10 Gigabit Ethernet SFP+ module, 1310hm, SMF 10km link, LC	28	4		13,736,525	1.538.490.800	3.800
	connector						
	* 100Gb, QSFP28-QSFP28 Direct attach passive copper cable, 0.5m	7	4		1.902.450	15.219.600	9.600
	* 1 Gb, 1000BASE-T, 100 m; RJ 45 SFP	22	4		1.965.700	172.981.600	600
	b. DMZ Switch (Extreme Network Summit X450-G2)	2	4		54.129,900	433,039,200	3,200
	- 48x 10/100/1000BASE-T, 4x 10GBASE-X unpopulated SFP+, two 21Gb						
	stacking ports, 1 Fixed AC PSU, 1 RPS port						
	- Optical						
	* 10 Gigabit Ethernet SFP+ module, 850nm, MMF 26-300m link,	α0	4		8.230.475	263,375,200	200
	LC connector						
	* 40 Gigabit Ethernet QSFP+ passive copper cable assembly, 0.5m	2	4		1.724.250	13.794.000	000
	length.						
							T
T	c. Server Farm Switch (Extreme Network ExtremeSwitching X590)	2	4		102.460.600	819.684.800	8
T	 24x 1Gb/10Gb SFP+ ports, 1x 10Gb/40Gb QSFP+ port, 						
	2x 10Gb/25Gb/40Gb/50Gb/100Gb capable QSFP28 ports						

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- //ow At power supply				
- Pwr Cord,10A,CEE7/7,1EC320-C13				
2)IdO				
* 10 Gigabit Ethernet SFP+ module, 850nm, MMF 26-300m link,	28	4	8.230.475	921.813.200
LCconnector				
* 100Gb, QSFP28-QSFP28 Direct attach passive copper cable, 0.5m	7	:4	1.902,450	15,219,600
d. TOR Switch (Extreme Network X690)	7	4	183.385.400	1.467.083.200
- 48x 1Gb/10Gb SFP+ ports, 2x 10Gb/40Gb QSFP+ ports,				
		-		
770W.AC power supply				
Pwr.Cord,10A,CEE 7/7,1EC320-C13				
* 10 Gigabit Ethernet SFP+ module, 850nm, MMF 26-300m link, LC	œ	4	8.230.475	263.375.200
connector				
* 100Gb, QSFP28-QSFP28 Direct attach passive copper cable, 0.5m	2	4	1.902.450	15,219,600
Bandwidth Management (sangfor IAM56)	2	4	428,485,200	3,427,881,600
 Sangfor Internet Access Management Standard Packs, including 				
Bandwidth Management, User Authentication, URL Filtering, Traffic				
Control, User Behaviour Audit, Content Audit, Proxy Server, Anti-proxy,				
Endpoints Management, Report Center, Multi-links(Link Load Balance)				
, Sangfor VPN				
- 4x10GbESFP+ NIC				
- 4x SFP+, 10G, Optical Module, Multi Mode(300M), 850NM				
PC AIO	14	4	10.383,725	581,488,600
00/6-/1				
- 21.5" FHD Touch with Camera				
8GB 2400MHz DDR4				
- 1TB SATA				
- Intel HD Graphic				
- WF+BT	-			
- USB Keyboard & Mouse				

Acity, 11 M Cache ot-plug Hard Drive ot-plug Hard Drive rise Advanced rise Advanced UL LISTED, FM

<u>ن</u>	Perpanjangan SSL Certificate	-	4	Cac Cak Ch	
	- Wildcard SSL certificate untuk domain mabesad.mil.id. kartika.mil.id.		•	C7.00#:71	45.841.000
	dan persitpusa oriid				
10.	Perpanjangan License VMWare				
	 Production Support coverage Vmware Vrealize operation 7 standard 	,,	P	A DRO 3ED	
	(per CPU)			C. T. COO.	Z4:5Z1,000
	 Production Support coverage Vmware vSphere 6 Enterprise Plus 		4	002 715 AC	105 020 000
	for 1 processor				
11.	Perpanjangan License DOubleTake	1	4	14 152 JO	E 60 4 000
1	 Untuk License software High Availability Double Take pada server 				0.410.00
	email Zimbra				
12.	Services and Implementation				
	a. Assessment Existing infrastructure	1	1	165.000.000	165,000,000
	b. Design and optimization network infrastructure	1	•	165,000,000	165,000,000
Ť	c. Temporary Relocation	-	-	137.500.000	137 500 000
┪	d, Fire Suppression Relocation and Installation	7	Ţ	55.000.000	55.000.000
Ť	e. Installation and Configuration DMZ Firewall	7	1	209.000;000	209,000,000
7		1	Ţ	203,500,000	203.500.000
Ť		1	1	198,000,000	198.000,000
十	h. Installation and Configuration Centralized Logging and Analytical	щ	1	198.000.000	198.000.000
= :	Installation and Configuration Core Switch	1	1	209,000,000	209.000,000
7	Installation and Configuration DMZ Switch	~ I	1	165,000,000	165.000.000
* 	k. Installation and Configuration Server Farm Switch	e-I	1	132,000,000	132,000.000
+	Installation and Configuration TOR Switch	ij	1	165.000.000	165.000.000
-	m. Installation and Configuration Bandwidth Management		7	214.500.000	214.500.000
_	n. Video Wall Installation and Configuration	₩	τď	88,000,000	000 000 88

Section 2 section 2

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ration	41 at IOI >	•	System											
ation and Config	שניים הייה והייה	and Configuratio	nfiguration Coolin											
lo. NOC PC AlO Installation and Configuration		 Server Installation and Configuration 	Installation and Configuration Cooling Syste		System Integration									
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PT Telkom Indonesia (Persero) Tbk





	Minutes of Meeting Harga
Tanggal	29 Juli 2020
Waktu	Pukul 09,00 s/d 12.00 WIB
Tempat	Ruang Rapat Lt. 5 Pushubad

	NI AD Note Taker :
Tipe Rapat	Review Coordination Briefing Decision Making Others
Pimpinan Rapat	
Agenda Po	Pembahasan Kesepakatan Harga dan Mekanisme Pembayaran Permohonan Dukungan Layanan Jastel Sewa Manage Service Data Center Dissinfolahta Angkatan Darat

1. Dasar:

- Perjanjian Kerja Sama Nomor : 02/DN/JASTEL/DITHUBAD/2020 tanggal 12 Februari 2020 perihal Jasa Telekomunikasi TNI AD TA 2020 (Terlampir).
- Addendum Perjanjian Kerjasama Nomor: 02.a/DN/JASTEL/DITHUBAD/2020 tanggal 24 Februari 2020 perihal Jasa Telekomunikasi TNI AD TA 2020 (Terlampir).
- c. Surat dari Kapushubad TNI AD Nomor: B/1912/VII/2020 tanggal 14 Juli 2020 perihal Permohonan Dukungan Layanan Jastel Sewa Manage Service Data Center Angkatan Darat (Terlampir).
- MOM Teknis tanggal 16 Juli 2020 tentang Rapat Koordinasi Teknis Permohonan Dukungan Layanan Jastel Sewa Manage Service Data Center Dissinfolahta Angkatan Darat (Terlampir)
- e. Surat GM Military and Police Services Nomor: Tel.2526/YN.000/DGS-A1000000/2020 tanggal 24 Juli 2020 perihal Surat Penawaran Harga Pembayaran Layanan Jastel Sewa Manage Service Data Center Dissinfolahta Angkatan Darat (Terlampir).

2. Hasil Pembahasan:

- a. Berdasarkan pada point 1 di atas, bahwa Pushubad meminta untuk permohonan layanan Jastel Sewa Manage Service Data Center Dissinfolahta Angkatan Darat (terlampir).
- b. Ready for Service akan dilaksanakan paling lambat sampai tanggal 1 September 2020.
- c. Perjanjian Aktivasi Layanan (PAL) akan ditandatangani pada tanggal 30 Juli 2020.
- d. Jangka waktu PAL layanan Jastel Sewa Manage Service Data Center Dissinfolahta Angkatan Darat terhitung mulai tanggal 30 Juli s.d 31 Desember 2020.
- e. Telkom akan mendukung penyediaan layanan permohonan layanan Jastel Sewa Manage Service Data Center Dissinfolahta Angkatan Darat terhitung mulai tanggal 01 September s.d 31 Desember 2020.
- f. Nilai total PAL Penerbitan Jastel Sewa Manage Service Data Center Dissinfolahta Angkatan Darat adalah sebesar Rp 35.000.000.000,- (Tiga Puluh Lima Milyar Rupiah) sudah termasuk PPN dan pajak-pajak lainnya.
- g. Contact Person: Letkol Chb Agung (08118020706).

- h. Mekanisme pembayaran masuk ke dalam tagihan L-15/SPH Mabesad Balakpus TNI AD yang akan dilakukan melalui coklit per dua bulan, dengan detail sebagai berikut:
 - Coklit 5 sebesar 55% dari nilai kontrak.
 - Coklit 6 sebesar 45% dari nilai kontrak
- 3. Tindak Lanjut:
 - a. Penandatangan PAL layanan Jastel Sewa Manage Service Data Center Dissinfolahta Angkatan Darat.
 - b. Dilakukan pemasangan baru atas layanan yang telah disepakati.

PT Telkom Indonesia (Persero) Tbk Divisi Government Service,

Sutoyo
Executive Account Manager

Kasubditbinkom Sdircab,

Hagustono Dwi Doso Warso, S.E., M.M Kolonel CHB NRP 1900025760865

Mengetahui; a/n Kepala Pusat Perhubungan TNI AD

Dircab,

Roedy, M.A.
Brigadir Jenderal TNI

Lampiran Daftar Hadir Peserta.

PT. TELKOM

No	Nama	 Jabatan	NIK	Tanda Tangan
1.	SALORO	₹ AN	720516	
2.	Mayrisa	t Any Mgr SE	73-576 830087	299
3.	SUTOZO Mayrisa Fidya	Mgr. Sales	800068	1/6
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Pusat Perhubungan TNI Angkatan Darat

No	Nama	Pangkat/NRP	Jabatan	Tanda Tangan
1.	PUEDY, MA	BUMPEN	Direas	P.L
2.	Heavistano	bed. Chb	Fasubelt Ginkon	-300
3.	ABUNE YIB	LETHOL CHB	KABAGTAR	
4.	Acti valyy	mayor che	hap pring	Adush
5,	Eka Undin av	lethe chb	Pour fiele	Ceful
6.	Anton prasetyawan	Serika	Bowsierom	Charlet-
7.				
8.				
9.				
10.				

Permohonan Dukungan Layanan Jastel Sewa Manage Service Data Center Angkatan Darat Lampiran MOM Harga

No 1	Link Astinet	Layanan								
	ık Astinet	Laysnan		-		Bandwidth	Masa Sewa			
	ık Astinet						(Bufan)	Instalasi	Harga Satuan	Jumlah
	ık Astinet				λίο	Satuan				
					225	Mbps	4	2.500.000	158.403,725	636,114,900
			Keterangan	ringar.			Jml Unit (Unit)	Satuan Waktu (Rulan)	Harga Satuan	Jumlah
Sec	Security						((
ń	DMZF	DMZ Firewall (Fortinet FG-1800F)	t FG-1800F)				(2)	4	901.367.500	7.210.940,000
		4× 40GE QS	FP+ slots, 12	4 x 40GE QSFP+ slots, 12 x 25GE SFP28 /10GE	8 /10GE))		\
		SFP+ slots, 2x10GE SFP+ HA slots, 8 x	X10GE SFP+.	HA slots, 8 x	GE SFP slots, 18 x GE R145	X GE RI45,				
		ports.								
								(
ģ	Redun	dancy Internet F	irewall (pen	ıambahan fir	ewall existing) (I	Redundancy Internet Firewall (penambahan firewall existing) (Fortinet FG-1000D)	(1)	(4)	496,731,250	1.986.925.000
		2 x 10GE SFP+ slots, 16 x GE SFP Slots	+slots, 16 x	GE SFP Slots	3, 16 x GE R145 ports,	oirts,)			
() ()		2 x GE RV45 Mahagement ports,	Иападетел	t ports,						
							((
ij	Web.Aj	Web Application Firewall (Fortinet FWB-1000E	all (Fortinet	FWB-1000E)			(1)	3	609.207.000	2,436.828.000
		2 x 10GE SFP+ ports, 2 x GE RI45 port	+ ports, 2 x (GE RJ45 port	\					
		4 x GE R145 bypass ports, 4 x GE SFP	oypass ports	s, 4 x GE SFP	ports, 2x GE management	nagement 🥕				
		ports dual AC power supplies, 2 TB storage	power sup	plies, 2 TB sto	yrage /					
2.4								(
Ö	Central	Centralized logging & analysis	nalysis				(-1)	1 (+)	533.750.000	2,135,000,000
		2x 10GbE R/45, 2x 10GbE SFP+, 32TB storage	5, 2x 10GbE	SFP+, 3ZTB	storage /		トノ)		

10GE SFP transceiver module, alert range for all systems with (24) (4)	Pre Stransceiver module, short range for all systems with And SFPSFP, a loss (Forthact SFP And ASFP-RR) Pre Stransceiver module for all systems with SFP and Pre Stransceiver module for all systems with SFP and Pre Stransceiver module for all systems with SFP and Pre Stransceiver module for all systems with SFP and Pre Stransceiver module for all systems with SFP and Pre Stransceiver module for all systems with SFP and Pre Stransceiver module Stransceiver module Stransceiver module Stransceiver Stransceiver module Stransceiver Stran			740.500 71.088.000		325.750 10.424.000		1,250 247.977.000			.250 1.666.106.000	1				4	.250 658.438.000		.750 1.398.628,000	A.	500 13,836.000	.000 157.256.000		.000 393.672.000				250 239,432,000		500 12.540,000	1
10GE SFP+ transcelver module, short range for all systems with (24) 11GE SFP SY transcelver module, short range for all systems with SFP and SFP/SFP+ slots (Fortlinet FG-TRAN-SFP-SR) 11GE SFP SY transcelver module for all systems with SFP and SFP/SFP+ slots (Fortlinet FG-TRAN-SFP-SR) 11GE SFP SY transcelver module for all systems with SFP and SFP/SFP+ slots (Fortlinet FG-TRAN-SQ) 11GE SFP SY transcelver module for all systems with SFP and SFP/SFP+ slots (Fortlinet FG-TRAN-SQ) 11GE SFP SY transcelver module for all systems with SFP and SFP/SFP+ slots (Fortlinet FG-TRAN-SQ) 12GE SFP SY transcelver module for all systems with SFP and SFP/SFP+ slots (Fortlinet FG-TRAN-SQ) 12GE SFP SY transcelver module for all systems with SFP and SFP/SFP+ slots (Fortlinet FG-TRAN-SQ) 12GE SFP SY transcelver module for all systems with SFP and SFP	Optical 100E SFP+ transceiver motule, short range for all systems with 24			74(325		61.99			208.263						7.482		12.487		1,729	1387		49,209				7.482		1.567	
10GE SFP+ transceiver module, short range for all systems with 12GE SFP SX transceiver module for all systems with SFP and SFP/SFP+ slots (Forthnet FG-TRAN-SFP-RR) 12GE SFP SX transceiver module for all systems with SFP and 12GE SFP SX transceiver module for all systems with SFP and 12GE SFP SX transceiver module for all systems with SFP and 12GE SFP SX transceiver module for all systems with SFP and 12GE SFP SX transceiver module for all systems with SFP and 12GE SFP SX transceiver module for all systems with SFP and 12GE SFP SX transceiver module for all systems with SFP and 12GE SFP SX transceiver module for all systems with SFP and 12GE SFP SX transceiver module for SFP and SFP a	100E SFP+ transceiver module, short range for all systems with 20		(())((+ /		4			4						(4))	(4)) ((4)	X)	(4))		((1)		74)	
10GE SFP+ to SFP+ and SFP 1GE SFP SX to SFP/SFP+ slo SFP/SFP+ slo SFP/SFP+ slo AX 10Gb/25G 4X 10Gb/2	### Optical SFP+ and SFP			(24)		(8)	$\Big)$	(1)).								(22))	(28)) \	(2)	(25	λ	(2))		()	/ 8 /)(2)	
10GE SFP+ to SFP+ and SFP 1GE SFP SX to SFP/SFP+ slo SFP/SFP+ slo SFP/SFP+ slo AX 10Gb/25G 4X 10Gb/2	### Optical SFP+ and SFP	-		ems with													. MMF 26-300m link, -		1		sive copper cable, 0.5m				P+, two 21Gb ✓					cable assembly, 0.5m → (
10GE SFP+ to SFP+ and SFP 1GE SFP SX to SFP/SFP+ slo SFP/SFP+ slo SFP/SFP+ slo AX 10Gb/25G 4X 10Gb/2	### Optical SFP+ and SFP			t range for all syst	-TRAN-SFP+SR)	I systems with SFI	\ 					10Gb QSFP+ ports,	spable QSFP28 por				4- module, 850nm		4- module, 1310nr		3 Direct attach pas	m, RJ 45 SFP /		3	X unpopulated SF	oort >		+ module, 850nm,		P+ passive copper	
10GE SFP+ to SFP+ and SFP 1GE SFP SX to SFP/SFP+ slo SFP/SFP+ slo SFP/SFP+ slo AX 10Gb/25G 4X 10Gb/2	### Optical SFP+ and SFP			insceiver module, shor	/SFP+ slots (Fortinet FG	ansceiver module for a	s (Fortinet FG-TRAN-SX	Gate-500D 1 Year			etwork X690) · /	SFP+ ports, 2x 10Gb/4	/40Gb/50Gb/100Gb ca	er supply 🖊			10 Gigabit Ethernet SFP	Cconnector	10 Gigabit Ethernet SFP	connector	100Gb, QSFP28-QSFP28	Gb, 1000BASE-T, 100		twork Summit X450-G	OOBASE-T, 4x 10GBASE	1 Fixed AC PSU, 1 RPS:		O.Gigabit Ethernet SFP	C connector /	O Gigabit Ethernet QSF	ingth.
	the state of the s		lical	10GE SFP+ tra	SFP+ and SFP,	1GE SFP SX tr	SFP/SFP+ slot	panjan License Forti		ğ	e Switch (Extreme N	48x 1Gb/10G	4x 10Gb/25Gt	770W AC pow	Pwr Cord,10A,	Optical								Switch (Extreme Ne	48x 10/100/10	stacking ports,	Optical				

	T	· ·		•																											
745,168,000		,					838,012,000	١	13.836,000		1.333.712.000	\					239.432,000		13,836.000	l'	3.116.256.000								528.626.000	\	
93.146.000	\	1.					7.482,250		1.729.500		166,714.000	1					7.482.250	N.	1.729,500	•	389.532,000	V							9,439.750		
4)					4		4) \	4)					(4		/4)	1 4	\ \ 							4		
2/							28)	(2)) '	(2)						80/)	/2)	2)							14 /		
					ı		26-300m link,		100Gb, QSFP28-QSFP28 Direct attach passive copper cable, 0.5m								n, MMF 26-300m link, LC		ssive copper cable, 0.5m												
K X590)	D. Dort	r + port,	SFP28 ports ~				e, 850nm, MMF		ttach passive co			P+ ports, ~	FP28 ports,				, 850nm, MMF					cluding	ing, Traffic	er, Anti-proxy,	oad Balancel			,			
tremeSwitchin	SP/40GP OCE	150/40eb (CS)	Gb capable Q		13		et SFP+ modul		SFP28 Direct a		7	Gb/40Gb QSF	Sb capable QS		3 /		t SFP+ module		FP28 Direct a			dard Packs, in	ion, URL Filter	dit, Proxy Serv	ulti-links(Link			(300M), 850N			
Server Farm Switch (Extreme Network ExtremeSwitching X590)	24x 1Gb/10Gh SEP+ ports 1x 10Gb/40Gh Osep+ 204	אד יכווסל דיזיכ	2x 10Gb/25Gb/40Gb/50Gb/100Gb capable OSFP28 p	r supply	Pwr Cord,10A,CEE 7/7,IEC320-C13		10 Gigabit Ethernet SFP+ module, 850nm, MMF 26-300m link,	LC connector	00Gb, QSFP28-Q		work X690)	48x 1Gb/10Gb SFP+ ports, 2x 10Gb/40Gb QSFP+ port	4x 10Gb/25Gb/40Gb/50Gb/100Gb capable Q5FP28 pc	Viddus	Pwr Cord,10A,CEE 7/7,IEC320-C13		10 Gigabit Ethernet SFP+ module, 850nr	connector	100Gb, OSFP28-QSFP28 Direct attach pa		W56) —	Sangfor Internet Access Management Standard Packs, including	Bandwidth Management, User Authentication, URL Filtering, Traffic	Control, User Behaviour Audit, Content Audit, Proxy Server, Anti	Endpoints Management, Report Center, Multi-links(Link Load Ba			4x SFP+, 10G, Optical Module, Multi Mode(300M), 850NM			lera
irm Switch (Extr	24x 1Gh/10Gh	מבחד לתבד עבי	2x 10Gb/25Gb,	770W.AC power supply	Pwr Cord, 10A, C	Optic	Ā	Ξ	Ä		TOR Switch (Extreme Network X690)	48x 1Gb/10Gb 5	4x 10Gb/25Gb/	770W AC power supply	Pwr Cord,10A,C	Optic	8	8	90		Bandwidth Management (sangfor IAM56)	ternet Access M	Management	ser Behaviour A	Management, R	, Nd	FP+ NIC /	0G, Optical Mod			21.5" FHD Touch with Camera
Server Fa	•				-1	•					TOR Switc										dth Managem	Sangfor Int	Bandwidth	Control, Us	Endpoints	, Sangfor VPN	4x10GbE SFP+ NIC	4x SFP+, 1(17-9700	21.5" FHD
ರ	-										-6										3. Bandwi								4. PCAIO		

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								סטט צייט סטס	2000000000									708.312.000	53.520.000	350.275,000	52.468,000 ~		277.069.000	1							
								100 816 250	1									29.513.000	2,230,000	87.568.750,	13.117,000~		69,267,250								
																		,													
<i>2</i>								4 /										4	4	+	4		4								
								/ 2										/ 9	9	\ ,	\ -		7								
-							a			che, *		Ne /				\									¥						
-										6GT/s, 11 M Ca		ot-plug Hard Dr				ise Advanced				trol 10				APTER <	JL LISTED, FIV						
										.26, 8C/16T, 9.0	`	s 512n 2.5in.Ho	ual Rank	, 250V, 10A 🗸		lanage Enterpri			Olsplay <	nput, Wall Cont				/ TOP PLUG AD,	R NFPA 2001, L) olo	•	^	1 500PSI (N/C)	OSE
	DDR4		ü		k Mouse				O Server	Silver 4215R 3.	V) DDR4-2400	PM SAS 12Gbp	, 3200MT/s, D	-C13/C14, 4M	stem	e with OpenM		Ň	ccess Bracket I	ssor, 4 HDMI II	/ideowall	8.	S	/2"VALVE.C/W	I AGENT AS PE	i Mayo	CHING SOLEN	STRAP	ONTROL	/ISORY SWITCH	LE CYLINDER H
	8GB 2400MHz DDR4	1TB SATA	Intel HD Graphic	WF+BT	USB Keyboard & Mouse	Win 10 Pro		II R740)	PowerEdge R740 Server	2x Intel® Xeon® Silver 4215R 3,2G, 8C/16T, 9.6GT/s, 11 M Cache	Turbo, HT (130W) DDR4-2400	3x 600GB 15K RPM SAS 12Gbps 512n 2.5in.Hot-plug Hard Drive	4x 32GB BDIMM, 3200MT/s, Dual Rank	2x Jumper Cord - C13/C14, 4M, 250V, 10A	No Operating System	IDRAC9 Enterprise With OpenManage Enterprise Advanced	Systems	LED Seamless 49"	Push Out Front access Bracket Display	Video Wall Processor, 4 HDMI Input, Wall Control 10	Struktur Rangka Videowall		Fire Suppression System	100 LB. CYL. / 1-1/2" VALVE C/W TOP PLUG ADAPTER	HFC-227EA GLEAN AGENT AS PER NFPA 2001, UL LISTED, FM	APPROVED	SUPERVISORY LATCHING SOLENOID	100'LB. CYLINDER STRAP	LOCAL MANUAL CONTROL	PRESSURE SUPERVISORY SWITCH 500PSI (N/C)	1-1/2" NPT FLEXIBLE CYLINDER HOSE
		ŧ			•			Server (Dell R740)									Video Wall Systems	e e	,	5	9		Fire Suppre			8	S	T	1	a	J V
								Ş.									9	floor					8								

PHOTO	PHOTO-ELECTRIC SMOKE DETECTOR SERIES 65A (*UL LISTED)					-
				•		
Cooling System						
AC Cass	AC Gassette 2 PK		1 1	4	4.785.000-	19.140.000
AC Cass	AC Cassette 1.5 PK		72/	4	3.960.000	31.680,000
AC Split 2 PK	2 pK		(5)	4/	1,760,000	35.200:000
)			
ngan SSL (Perpanjangan SSL Certificate		7	4	11.327.500	45,310,000
Wildcar	Wildcard SSL certificate untuk domain mabesad.mil.id, kartika.mil.id,	d,			•	
dan pers	dan persitpusa.or.id					
ngan Licen	Perpanjangan License VMWare					
Product	Production Support coverage Vmware Vrealize operation 7 standard		ed,	4	5.527.500	22.110.000
(per CPU)				1	*	1
Producti	Production Support coverage Vinware VSphere 6 Enterprise Plus		H	4	23,925.000	95.700.000
for 1 processor				1		\
igan Licen	Perpanjangan License Double Take		5	4	12,867.000	51.468.000
Untuk Lic	Untuk Ucense software High Availability Double Take pada server		\	1		1
email Zimbra	nbra					
Services and Implementation	nentation					
Assessme	Assessment Existing Infrastructure				150.000.000	150.000,000
Design ar	Design and optimization network infrastructure			.	150.000.000	150,000,000
Tempora	Temporary Relocation		ŧ	ci	125,000,000	125.000,000
Fire Supp	Fire Suppression Relocation and Installation		Ŧ	-	50,000,000	- 50:000:000
Installatic	Installation and Configuration DMZ Firewall			.	190.000.000	- 190.000,000
Installatic	Installation and Configuration Internet Firewall		· ••	ų.	185.000,000	185,000,000
Installatic	Installation and Configuration Web Application Firewall			+	180.000.000	- 180.000,000
Installatio	Installation and Configuration Centralized Logging and Analytical			∓1	180,000.000	180,000,000
Installatio	Installation and Configuration Core Switch			F	190.000.000	190,000,000

	=	Installation and Configuration DMZ Switch	τ	Ħ	150,000,000	150.000.000
غد	-=	Installation and Configuration Server Farm Switch		п	120.000.000	
		Installation and Configuration TOR Switch	-	-	150.000.000	1
œ.	-	Installation and Configuration Bandwidth Management		+	195 000 000	
Ė	À	Video Wall Installation and Configuration	1 1	е е	80.000.000	
ö	Z	NOC PC AIO Installation and Configuration	14	F	2,000,000	
۵	Ŋ	Server Installation and Configuration	2	1	10.000.000	
÷	=	Installation and Configuration Cooling System	H	+	20:000:000	20,000,000
	S	System integration	П	FI	378,431,000	378.431.000
					Jumfah	31.194.295.900
					%C Hdd	4
					Hdd + halmin	31
1					PPN 10%	15
					Total Keseluruhan 35,000.000,000	35,000,000,000
01						The second secon

Kasubditbinkom Sdircab,

PT Telkom Indonesia (Persero) Tbk Divisi Government Service,

<u>Sutoyo</u> Executive Account Manager

James

Hagustono Dwi Doso Warso, S.E., M.M. Kolonel CHB NRP 1900025760865

> Mengetahui; a/n:Kepala Pusat, Perhubungan TNI AD

Roedy, M.A. Brigadir Jenderal TNI