

# LAMPIRAN I TIME SCHEDULE / KURVAS

## A. Lampiran I Time Schedule Proyek Jls Lot.6 PT. PP 1. Lampiran I A

Original Contract Value : IDR 471,553,305,416  
 Amendment-02 Contract Value : IDR 594,667,919,763  
 Time for Completion : 36 Months  
 Defects Notification Period : 365 Days  
 Base Date / Commencement of Date : 14 April 2020  
 Taking Over Date (PHO) : 13 April 2023  
 Final Taking Over Date (FHO) : 12 April 2024

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY		RATE (Rp.)	AMOUNT		PERCENTAGE (%)	JUNI 2020												JULI 2020												AG
			ORIGINAL	AMEND-02		ORIGINAL	AMEND-02		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17								
<b>1</b>	<b>General</b>																																
1.1	Mobilization	ls	1.00	1.00	#####	#####	2,282,250,000.00	0.70																									
1.8.1	Traffic Management and Safety Plan	ls	1.00	1.00	#####	#####	326,700,000.00	0.058																									
1.17	Environmental Safeguard	ls	1.00	1.00	#####	#####	120,450,000.00	0.022																									
1.19	Occupational safety and health	ls	1.00	1.00	#####	#####	638,000,000.00	0.114																									
1.20.1	Boring including SPT and Report	ls/m	500.00	500.00	616,000.00	616,000.00	308,000,000.00	0.055																									
1.21	Quality Management	ls	1.00	1.00	#####	#####	332,107,420.04	0.259																									
<b>2</b>	<b>Drainage</b>						44,415,687,15.80	8.250																									
2.1	Excavation for Drainage Ditches and Waterways	Cu.M	#####	#####	314,410.00	314,410.00	1,275,480,624.20	0.237																									
2.2	Mortared Stonework	Cu.M	#####	#####	687,810.00	687,810.00	4,539,606,888.36	0.811																									
2.3.0a	Un-reinforced Concrete Half Pipe Culvert inside Duct	ls/m	#####	#####	11,571.00	11,571.00	11,493,136,944.68	2.113																									
2.3.9	U Ditch Type DS.1	ls/m	1,000.00	1,000.00	1,756,248.00	1,756,248.00	2,081,133,880.00	0.372																									
2.3.10	U Ditch Type DS.2	ls/m	500.00	500.00	2,362,440.00	2,362,440.00	1,181,270,000.00	0.224																									
2.4.1	Perms Drainage or Filter Material	Cu.M	1,027.94	1,245.96	380,560.00	380,560.00	474,162,517.60	0.085																									
New Item	Reinforced Concrete V Ditch (C 15 Mpa)	ls/m	471.3010	#####	#####	#####	11,543,216,646.42	2.066																									
Sho-2.7.18	Beon Strengt	ls/m	#####	#####	686,880.00	686,880.00	13,110,176,312.80	2.342																									
<b>3</b>	<b>Earthworks</b>						208,091,829,427.00	58.941																									
3.1.1a	Common Excavation	Cu.M	#####	#####	25,500.00	25,500.00	59,049,842,655.00	12.584																									
3.1.1b	Soft Rock Excavation	Cu.M	44,000.00	#####	44,000.00	44,000.00	13,127,722,080.00	2.745																									
3.1.2	Rock Excavation	Cu.M	99,849.00	#####	99,849.00	99,849.00	19,969,800,000.00	4.459																									
3.1.2a	Rock Excavation (New Rate)	Cu.M	146,341.84	#####	146,341.84	146,341.84	362,654,956,951.31	28.550																									
3.1.3	Structural Excavation 0.2 m depth	Cu.M	4,167.73	45,74.94	25,000.00	118,673,000.00	0.021																										
3.1.4	Structural Excavation 2.4 m depth	Cu.M	2,458.63	1,317.04	30,610.00	75,258,664.30	0.007																										
3.1.5	Structural Excavation 4.6 m depth	Cu.M	624.68	624.68	37,180.00	23,215,602.40	0.004																										
3.2.1a	Common embankment from Excavation	Cu.M	15,700.00	#####	15,700.00	1,198,481,282.50	0.268																										
3.2.1a	Common embankment from Excavation (New Rate)	Cu.M	#####	#####	19,260.00	8,541,136,700.60	1.526																										
3.2.1b	Common embankment from Borrow Pit	Cu.M	6,671.00	#####	6,671.00	510,684,690.00	#####																										
3.2.2a	Selected Embankment from Excavation	Cu.M	87,700.00	#####	87,700.00	2,140,509,360.00	0.382																										
3.3	Grade Preparation	ls/m	#####	#####	5,020.00	739,217,178.20	0.179																										
3.4.1	Clearing & Grubbing in rubber and vegetation	ls/m	#####	#####	4,220.00	96,208,854.20	3,189,379,700.00	0.570																									
3.4.3	Selected Tree Removal diameter 30-50 cm	Each	991.00	#####	970,000.00	96,390,510.00	0.017																										
3.4.4	Selected Tree Removal diameter 50-75 cm	Each	566.00	#####	566.00	71,197,140.00	0.013																										
3.4.5	Selected Tree Removal diameter > 75 cm	Each	189.00	#####	189.00	29,397,060.00	0.005																										
<b>4</b>	<b>Permanent Widening And Shoulder</b>						1,099,345,957.70	0.260																									
4.2.5	Single Surface Dressing Aggregate	ls/m	#####	#####	13,150.00	818,774,807.50	759,653,608.00	0.136																									
4.2.6	Bituminous Material for Surface Dressing	ls	#####	#####	14,700.00	235,710,072.20	695,790,011.90	0.134																									
<b>5</b>	<b>Gravel Pavement and Cement Concrete Pavement</b>						24,654,130,482.30	4.300																									
5.1.1	Aggregate Base Class A	Cu.M	#####	#####	355,660.00	355,660.00	24,654,130,482.30	4.300																									
<b>6</b>	<b>Asphalt Pavement</b>						45,716,947,517.10	8.238																									
6.1.1a	Prime Coat - Cut Back	ls	#####	#####	13,000.00	21,780,000.00	2,406,500,500.00	0.430																									
6.1.2a	Tack Coat - Cut Back	ls	#####	#####	12,990.00	34,517,738.80	283,409,260.00	0.051																									
6.1.5a	Asphaltic Concrete - Wearing Course (AC.WC)	ton	#####	#####	1,287,490.00	17,239,259,351.80	1,771,587,969.30	3.968																									
6.1.6a	Asphaltic Concrete - Binder Course (AC.BC)	ton	#####	#####	1,749,900.00	25,589,271,685.50	25,821,145,905.80	4.613																									
6.1.8	Asp Strang Agent	kg	5,683.00	#####	5,683.00	36,477,880.00	374,939,971.90	0.067																									
<b>7</b>	<b>Structures</b>						70,595,850,671.90	15.944																									
7.1.4	Structural Concrete Class Fc 35 Mpa	Cu.M	444.00	#####	2,117,533.00	919,008,212.00	70,595,850,671.90	15.944																									
7.1.5a	Structural Concrete F 30 Mpa for Bridge Deck	Cu.M	20.00	175.44	2,128,440.00	48,813,420.00	802,807,375.36	0.088																									
7.1.6	Structural Concrete F 30 Mpa for Culvert	Cu.M	1,265.34	3,642.21	2,128,440.00	27,526,501.46	7,775,549,418.68	1.801																									
7.1.7	Structural Concrete F 20 Mpa	Cu.M	1,500.00	11,116.5	1,947,428.00	33,011,320.00	2,057,291,287.06	2.800																									
7.1.8	Cyclopean Concrete F 15 Mpa	Cu.M	5,149.28	76.36	1,305,420.00	7,829,179,746.40	96,959,644.00	0.019																									
7.1.9	Concrete F 15 Mpa	Cu.M	487.40	37.21	2,385,120.00	14,000,451.20	59,959,644.00	0.117																									
7.1.10	Precast U-Box Type (Order span 25-27 m, furnished	Cu.M	424.38	790.84	1,216,200.00	518,126,058.00	961,819,000.00	0.172																									
7.1.11	Precast U-Box Type (Order span 25-27 m, erection	Each	21.00	14.00	1,474,720.00	1,720,100,000.00	1,720,100,000.00	0.198																									
7.1.2b	Decorating Concrete Class Fc 30 Mpa including cast in	Cu.M	22.00	20.59	3,411,080.00	5,548,736.00	70,402,959.50	0.138																									
7.1.3	Reinforcing Steel Pipe Bars U-32	kg	#####	#####	34,118,000.00	4,111,533,650.00	4,111,533,650.00	0.734																									
7.1.1	Reinforcing Steel Pipe Bars U-32	kg	#####	#####	14,230.00	2,592,700.00	2,592,700.00	0.251																									
7.1.2	Reinforcing Steel Pipe Bars U-32	kg	#####	#####	14,230.00	2,592,700.00	2,592,700.00	0.251																									
7.1.3	Reinforcing Steel Pipe Bars U-32	kg	#####	#####	14,230.00	2,592,700.00	2,592,700.00	0.251																									
7.1.4	Cast in place Concrete Pile 800 mm diameter	ls/m	560.00	677.00	3,983,200.00	2,104,653,000.00	2,525,984,318.38	4.421																									

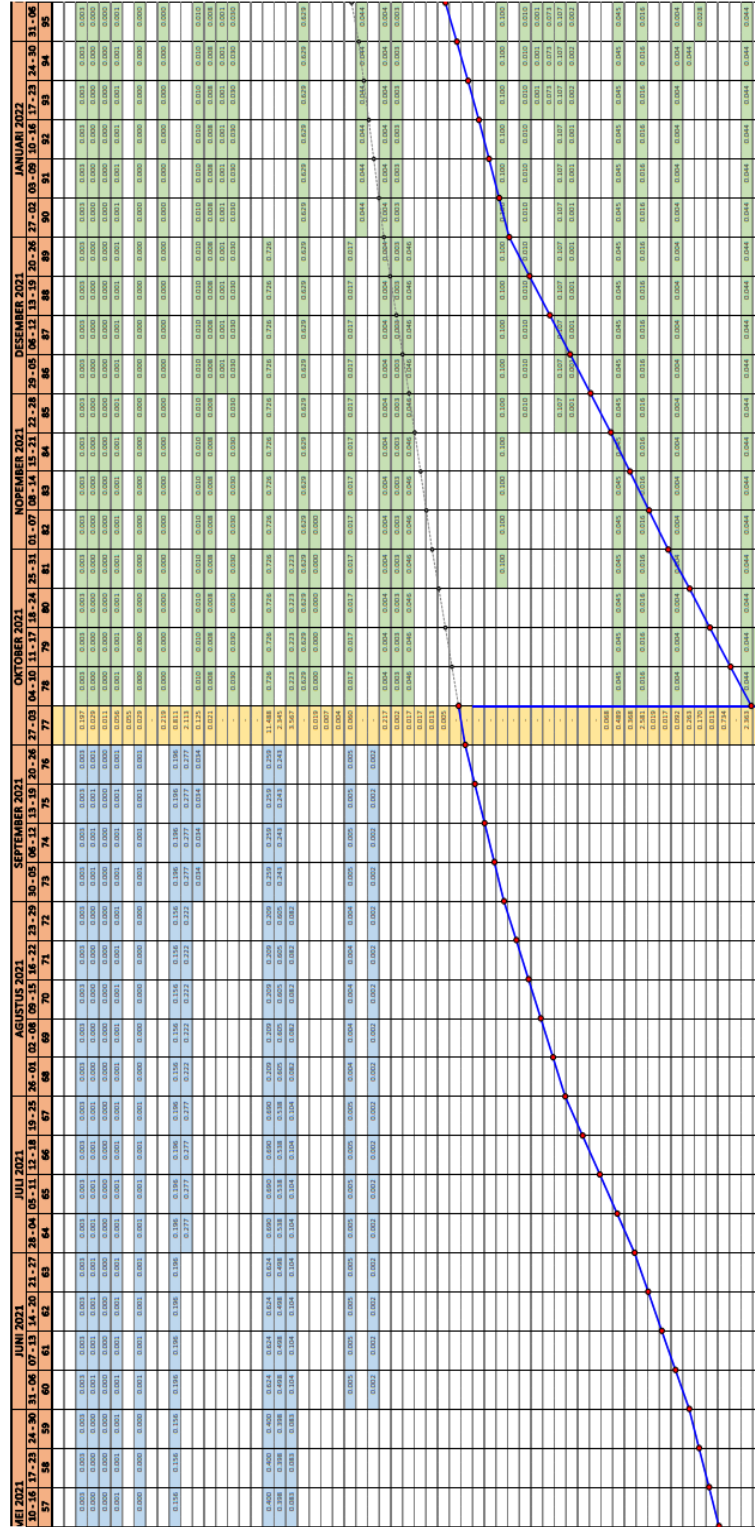






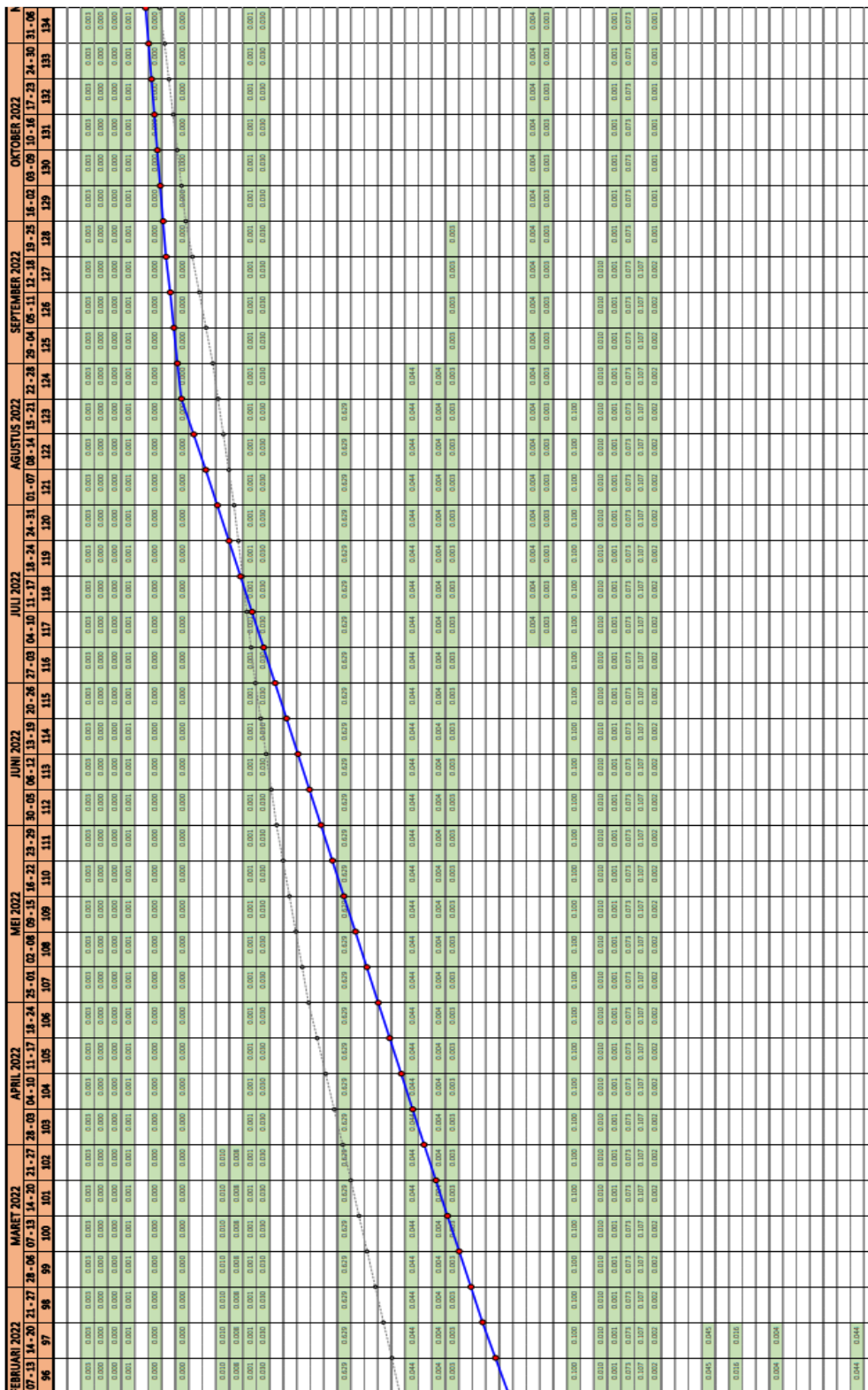
5. Lampiran I E

**S-CURVE (RE-BASE LINE NO.1)**  
 DEVELOPMENT OF TRANS SOUTH SOUTH JAVA ROAD PROJECT  
 LOT 6 : PRIGI - BTS. KAB. TULUNGAGUNG - KLATAK - BRUMBUN





7. Lampiran I G












## Lampiran II Rencana Anggaran Biaya Jls Lot.6 PT. PP

### 1. Lampiran II A

PEKERJAAN KONTRAK	TANGGAL	NILAI KONTRAK	TANGGAL SPMK	: LOT 6 PRIGI - BTS. KAB. TULUNGAGUNG - KLATAK - BRUMBUN	ITEM PEKERJAAN	SATUAN	KONTRAK		
							KUANTITAS	HARGA SATUAN (rupiah)	JUMLAH HARGA (rupiah)
 CONSTRUCTION & INVESTMENT <i>Empowering The Future</i>									
<b>1</b>					<b>GENERAL</b>				
1.2					Mobilization	Ls	1.00	2,238,225,000.00	2,238,225,000.00
1.8.1					Traffic Management and Safety Plan	Ls	1.00	326,700,000.00	326,700,000.00
1.17					Environmental Safeguard	Ls	1.00	120,450,000.00	120,450,000.00
1.19					Occupational safety and Health	Ls	1.00	638,000,000.00	638,000,000.00
1.20.1					Boring including SPT and Report	m'	500.00	616,000.00	308,000,000.00
1.21					Quality Management	Ls	1.00	332,107,420.04	332,107,420.04
<b>TOTAL KINERJA UNTUK BILL NO. 1</b>									<b>3,963,482,420.04</b>
<b>2</b>					<b>DRAINAGE</b>				
2.1					Excavation for Drainage Ditches and Waterways	m3	39,015.62	31,410.00	1,225,480,624.20
2.2					Mortared Stonework	m3	29,804.02	687,810.00	20,499,502,996.20
2.3.8a					Un-reinforced Concrete Half Pipe Culvert Inside Diameter 30 cm	m'	91,523.25	211,572.00	19,363,757,049.00
2.3.9					U Ditch Type DS 1	m'	1,000.00	1,756,248.00	1,756,248,000.00
2.3.10					U Ditch Type DS 2	m'	500.00	2,362,440.00	1,181,220,000.00
2.4.1					Porous Drainage or Filter Material	m3	1,022.94	380,560.00	389,290,046.40
<b>TOTAL KINERJA UNTUK BILL NO. 2</b>									<b>44,415,498,715.80</b>
<b>3</b>					<b>EARTHWORKS</b>				
3.1.1a					Common Excavation	m3	3,727,444.81	25,500.00	95,049,842,655.00
3.1.1b					Soft Rock Excavation	m3	2,020,669.52	44,000.00	88,909,458,880.00
3.1.2					Rock Excavation	m3	200,000.00	99,849.00	19,969,800,000.00
3.1.3					Structural Excavation 0-2 m depth	m3	4,167.73	25,000.00	104,193,250.00
3.1.4					Structural Excavation 2-4 m depth	m3	2,458.63	30,610.00	75,258,664.30
3.1.5					Structural Excavation 4-6 m depth	m3	624.68	37,180.00	23,225,602.40
3.2.1a					Common embankment from Excavation	m3	76,123.51	15,750.00	1,198,945,282.50
3.2.1b					Common embankment from Borrow Pit	m3	6,673.00	76,530.00	510,684,690.00
3.2.2a					Selected Embankment from Excavation	m3	31,443.82	38,720.00	1,217,504,710.40
3.3					Grade Preparation	m2	147,256.41	5,020.00	739,227,178.20
3.4.1					Clearing & Grubbing in rubber and vegetation	m2	22,797.11	4,220.00	96,203,804.20
3.4.3					Selected Tree Removal diameter 30-50 cm	buah	993.00	97,070.00	96,390,510.00
3.4.4					Selected Tree Removal diameter 50-75 cm	buah	566.00	125,790.00	71,197,140.00
3.4.5					Selected Tree Removal diameter > 75 cm	buah	189.00	155,540.00	29,397,060.00
<b>TOTAL KINERJA UNTUK BILL NO. 3</b>									<b>208,091,329,427.00</b>
<b>4</b>					<b>PAVEMENT WIDENING AND SHOULDER</b>				
4.2.5					Single Surface Dressing Aggregate	m2	62,264.25	13,150.00	818,774,887.50
4.2.6					Bituminous Material for Surface Dressing	liter	15,566.06	14,170.00	220,571,070.20
<b>TOTAL KINERJA UNTUK BILL NO. 4</b>									<b>1,039,345,957.70</b>
<b>5</b>					<b>GRANULAR PAVEMENT AND CEMENT CONCRETE PAVEMENT</b>				
5.1.1					Aggregate Base Class A	m3	69,319.52	355,660.00	24,654,180,483.20
<b>TOTAL KINERJA UNTUK BILL NO. 5</b>									<b>24,654,180,483.20</b>

## 2. Lampiran II B

<b>6</b>								<b>ASPHALT PAVEMENT</b>							
6.1.1a	Prime Coat – Cut Back	liter	167,543.90		13,000.00		2,178,070,700.00								
6.1.2a	Tack Coat – Cut Back	liter	24,982.12		12,990.00		324,517,738.80								
6.3.5a	Asphaltic Concrete – Wearing Course (AC-WC)	ton	13,389.82		1,287,490.00		17,239,259,351.80								
6.3.6a	Asphaltic Concrete – Binder Course (AC-BC)	ton	20,070.45		1,274,970.00		25,589,221,636.50								
6.3.8	Anti Stripping Agent	kg	5,683.00		67,830.00		385,477,890.00								
<b>TOTAL KINERJA UNTUK BILL NO. 6</b>															
<b>7</b>								<b>STRUCTURES</b>							
7.1.4	Structural Concrete Class fc' 35 Mpa	m3	434.00		2,117,533.00		919,009,322.00								
7.1.5a	Structural Concrete fc' 30 Mpa for Bridge Deck	m3	210.00		2,182,444.00		458,313,240.00								
7.1.5b	Structural Concrete fc' 30 Mpa for Culvert	m3	1,285.34		2,128,049.00		2,735,266,501.66								
7.1.6	Structural Concrete fc' 25 Mpa	m3	1,900.00		1,847,428.00		3,510,113,200.00								
7.1.7	Struktural Concrete fc' 20 Mpa	m3	7,991.99		1,807,707.00		14,447,176,266.93								
7.1.8	Concrete fc' 15 Mpa	m3	5,149.28		1,520,430.00		7,829,119,790.40								
7.1.9	Cyclopean Concrete fc' 15 Mpa	m3	487.60		2,585,120.00		1,260,504,512.00								
7.1.10	Concrete fc' 10 Mpa	m3	424.38		1,216,200.00		516,130,956.00								
7.2.1b	Precast Unit Type I Girder Span 25 - 27 m, furnished	buah	12.00		122,893,640.00		1,474,723,680.00								
7.2.2b	Precast Unit Type I Girder Span 25 - 27 m, erection	buah	12.00		79,170,610.00		950,047,320.00								
7.2.10	Diaphragm Concrete Class fc' 30 Mpa including Post Tensioning Work	m3	22.00		3,411,080.00		75,043,760.00								
7.3.1	Reinforcing Steel Plain Bars U-24	kg	288,910.30		14,230.00		4,111,193,569.00								
7.3.2	Reinforcing Steel Plain Bars U-32	kg	207,960.00		14,230.00		2,959,270,800.00								
7.3.3	Reinforcing Steel Deformed Bars U-32	kg	929,702.50		14,230.00		13,229,666,575.00								
7.6.19b	Cast in Place Concrete Pile 800 mm Diameter	m'	560.00		3,758,310.00		2,104,653,600.00								
7.9	Stone Masonry	m3	33,129.00		661,800.00		21,924,772,200.00								
7.11.1	Expansion Joint Asphaltic Fixed Type	m'	34.00		2,271,500.00		77,231,000.00								
7.12.3c	Elastomering Bearing Pad, Synthetic Rubber 390 mm x 400 mm x 39 mm	buah	24.00		1,505,300.00		36,127,200.00								
7.13	Steel Bridge Railing	m'	104.00		918,260.00		95,499,040.00								
7.14	Bridge Name Plate	buah	6.00		2,735,640.00		16,413,840.00								
7.16.2b	Steel Pipe for Drainage with Fitting and Support, 100 mm diameter	m'	60.00		484,710.00		29,082,600.00								
<b>TOTAL KINERJA UNTUK BILL NO. 7</b>															
															<b>78,759,358,972.99</b>

## 3. Lampiran II C

8		REINSTATEMENT AND MINOR WORKS							
8.3.1b	Stabilization by Vegetation of Vertiver System	m'	533,462.00	27,540.00	14,691,543,480.00				
8.3.3	Trees Trembesi Type	buah	840.00	355,760.00	298,838,400.00				
8.4.1	Pavement Markings Thermoplastic Type	m2	6,281.84	166,880.00	1,048,313,459.20				
8.4.3a	Road Signs with Reflector of Engineering Grade, Single	buah	529.00	1,594,380.00	843,427,020.00				
8.4.5	Guide Posts	buah	1,059.00	701,920.00	743,333,280.00				
8.4.6a	Kilometer Posts	buah	17.00	1,518,680.00	25,817,560.00				
8.4.6b	Hectometer Post	buah	160.00	198,900.00	31,824,000.00				
8.4.7	Guard Rail	m'	4,450.00	765,110.00	3,404,739,500.00				
8.4.9	Cat's Eye	buah	5,900.00	180,190.00	1,063,121,000.00				
8.4.10b	Precast Portland Cement Concrete Curb, Type 2 (Barrier)	m'	152.00	110,160.00	16,744,320.00				
8.4.10e	Precast Portland Cement Concrete Curb, Type 5 (Barrier Gutter), h = 30 cm	m'	270.00	149,590.00	40,389,300.00				
8.4.14a	Road Lighting Single Arm, LED Type with Solar Cell	buah	200.00	35,488,230.00	7,097,646,000.00				
<b>TOTAL KINERJA UNTUK BILL NO. 8</b>					<b>29,305,737,319.20</b>				
<b>9</b>		<b>SCHEDULE OF DAYWORK RATES: 1. LABOR</b>							
9.1.1	Foreman	jam	210.00	25,700.00	5,397,000.00				
9.1.2	Labour	jam	630.00	17,100.00	10,773,000.00				
					<b>16,170,000.00</b>				
					<b>1,617,000.00</b>				
					<b>17,787,000.00</b>				
		Allow 10 percenta of Subtotal for Contractor's overhead, profit, etc., in accordance with paragraph 3 (b) above.							
<b>SCHEDULE OF DAYWORK RATES: 2. MATERIALS</b>									
9.1.22	Gravel	m3	125.89	277,300.00	34,909,297.00				
9.1.23	Portland Cement	kg	7,553.55	1,300.00	9,819,615.00				
					<b>44,728,912.00</b>				
					<b>4,472,891.20</b>				
					<b>49,201,803.20</b>				
<b>SCHEDULE OF DAYWORK RATES: 3. CONTRACTOR'S EQUIPMENT</b>									
9.1.4	Dump Truck 3-4 m3	jam	400.00	572,880.00	229,152,000.00				
9.1.6	Water Tank Truck 3000 - 4500 liter	jam	400.00	246,120.00	98,448,000.00				
9.1.8	Motor Grader min 100 HP	jam	200.00	911,050.00	182,210,000.00				
9.1.11	Excavator 80 - 140 Hp	jam	200.00	605,550.00	121,110,000.00				
9.1.19	Water Pump 70 - 100 mm	jam	200.00	28,200.00	5,640,000.00				
9.1.20	Jack Hammer	jam	200.00	76,380.00	15,276,000.00				
					<b>651,836,000.00</b>				
<b>SUMMARY OF SPECIFIED PROVISIONAL SUMS</b>									
1.7.1	Provisional Sum for Price Adjustment	Rp	1.00	34,889,000,000.00	34,889,000,000.00				
					<b>34,889,000,000.00</b>				
<b>TOTAL</b>					<b>471,553,305,416.23</b>				

### Lampiran III Ms Project Metode PERT

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Timeline														
							2021	H2	H1	H2	H1	H2	2022	H1	H2	H1	H2	2023	H1	H2	
1		<b>PEKERJAAN SALURAN DRAINASE PROYEK JLS LOT.6 KABUPATEN TULUNGANGUNG</b>	<b>758,51 days</b>	<b>Mon 01/03/21</b>	<b>Wed 29/03/23</b>																
2		Pekerjaan galian untuk saluran drainase dan saluran air	56,5 days	Mon 01/03/21	Mon 26/04/21																
3		pekerjaan batu mortar	189,17 d	Sat 27/03/21	Sat 02/10/21	25S+26 days															
4		Gorong - gorong setengah pipa beton tanpa tulangan diameter dalam 30 cm	96,33 days	Mon 28/06/21	Sat 02/10/21	3FF															
5		U ditch tipe DS 1	207,5 da	Mon 30/08/21	Fri 25/03/22	45S+62 days															
6		U ditch tipe DS 2	180,5 da	Mon 27/09/21	Sat 26/03/22	55S+28 days															
7		Drainase berpori atau bahan filter	417,67 d	Mon 29/11/21	Fri 20/01/23	65S+42 days															
8		V ditch beton bertulangan	488,5 da	Mon 04/10/21	Sat 04/02/23	65S+7 days															
9		Beton semprot	79,67 da	Mon 09/01/23	Wed 29/03/23	8FS-31 days															
10																					
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**Project: MP ADE NEW**  
Date: Tue 20/06/23

**Task**

**Split**

**Milestone**

**Summary**

**Project Summary**

**Inactive Task**

**Inactive Milestone**

**External Tasks**

**External Milestone**

**Deadline**

**Progress**

**Manual Progress**

**Inactive Summary**

**Manual Task**

**Duration-only**

**Manual Summary Rollup**

**Manual Summary**

**Start-only**

**Finish-only**