

			DATA TEKNIS PROYEK		Nomor :
					Halaman :
KADIRAT OPS			KAWASAN EKONOMI KHUSUS		Tanggal :
NAMA PROYEK			:	MANDALIKA URBAN TOURISM AND INFRASTRUCTURE PROJECT	
PEMILIK			:	PT INDONESIAN TOURISM DEVELOPMENT CORPORATION (ITDC)	
JENIS PROYEK			:	INFRASTRUKTUR KAWASAN EKONOMI KHUSUS	
LOKASI			:	KUTA MANDALIKA - LOMBOK	
PERIODE PELAKSANAAN			:		
NO	DESKRIPSI		MUTIP		KETERANGAN
			JUMLAH/ UKURAN	SATUAN	
1	UMUM				
	LUAS LAHAN		1.175,00	Ha	
2	PEKERJAAN INFRASTRUKTUR DASAR (JALAN, RIVER, TEMPORARY EVACUATION SHELTER, AMENITY CORE) : +/- IDR 1,6 triliun				
	PAKET 1				
		I2-I3	260,00	m'	thickness : 200 mm wide : 8 m road f's : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention & Modular Tank
		P1-P2	344,00	m'	thickness : 200 mm wide : 8 m road f's : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention & Modular Tank
		P4-P5	320,00	m'	thickness : 200 mm wide : 8 m road f's : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention & Modular Tank
		Q3-Q4	453,00	m'	thickness : 200 mm wide : 13 m road f's : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm
		Q-R4	2.431,70	m'	thickness : 265 mm wide : 18 m road f's : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention & Modular Tank dan U-Ditch
		Road at TES 4	384.19	m'	Asphalt AC-BC wide : 6m LPA : 15 cm Subgrade : 6% Drainage U-Ditch
		Road at TES 6	278.55	m'	thickness : 80 mm wide : 3m Decorative Concrete f'c : 20 Mpa (wiremesh) Sandbed : 10 cm Subgrade : 6% Drainage Open Ditch
		Road at TES 7	447,80	m'	thickness : 80 mm wide : 3m Decorative Concrete f'c : 20 Mpa (wiremesh) Sandbed : 10 cm Subgrade : 6% Drainage Open Ditch
		Road at TES 7A	76.38	m'	thickness : 80 mm wide : 3m Decorative Concrete f'c : 20 Mpa (wiremesh) Sandbed : 10 cm Subgrade : 6% Drainage Open Ditch

NO	DESKRIPSI				MUTIP		KETERANGAN
					JUMLAH/ UKURAN	SATUAN	
			PAKET 2				
			R-U		782,00	m'	thickness : 200 mm wide : 14 m road f's : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention tanpa Modular Tank / Open Ditch
			Link Road Round U		161,79	m'	thickness : 200 mm wide : 7 m road f's : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention tanpa Modular Tank / Open Ditch
			W-W1		165,00	m'	thickness : 200 mm wide : 14 m road f's : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention tanpa Modular Tank / Open Ditch
			Link Road Round W1		161,97	m'	thickness : 200 mm wide : 7 m road f's : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention tanpa Modular Tank / Open Ditch
			R4-W4		61,30	m'	thickness : 200 mm wide : 14 m road f's : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention tanpa Modular Tank / Open Ditch
			W2-U4		114,25	m'	thickness : 200 mm wide : 14 m road f's : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention tanpa Modular Tank / Open Ditch
			Link Road Round U4		172,79	m'	thickness : 200 mm wide : 10 m road f's : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention tanpa Modular Tank / Open Ditch
			W4-W1		297,02	m'	thickness : 200 mm wide : 14 m road f's : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention tanpa Modular Tank / Open Ditch
			Link Road Round U1		74,26	m'	thickness : 200 mm wide : 7,5 m road f's : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention tanpa Modular Tank / Open Ditch
			U1-U4		1.582,00	m'	thickness : 200 mm wide : 14 m road f's : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention tanpa Modular Tank / Open Ditch

NO	DESKRIPSI				MUTIP		KETERANGAN
					JUMLAH/ UKURAN	SATUAN	
			F-U		781,92	m'	thickness : 200 mm wide : 14 m road fs : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention tanpa Modular Tank / Open Ditch
			Link Road F		111,61	m'	thickness : 200 mm wide : 11,5 m road fs : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention tanpa Modular Tank / Open Ditch
			U-U3		370,17	m'	thickness : 200 mm wide : 14 m road fs : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention tanpa Modular Tank / Open Ditch
			W1-W2		432,49	m'	thickness : 200 mm wide : 14 m road fs : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention tanpa Modular Tank / Open Ditch
			F1-U2		1.370,30	m'	thickness : 200 mm wide : 7,5 m road fs : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention tanpa Modular Tank / Open Ditch
			W1-W1' (W1 Corner)		164,56	m'	thickness : 200 mm wide : 14 m road fs : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention tanpa Modular Tank / Open Ditch
			W4-W4' (W4 Corner)		50,00	m'	thickness : 200 mm wide : 14 m road fs : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention tanpa Modular Tank / Open Ditch
			F2-F3		275,00	m'	thickness : 200 mm wide : 6 m road fs : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention tanpa Modular Tank / Open Ditch
			F3-F4		375,00	m'	thickness : 200 mm wide : 8 m road fs : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention tanpa Modular Tank / Open Ditch
			V-V1		650,00	m'	thickness : 200 mm wide : 8 m road fs : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention tanpa Modular Tank / Open Ditch
			V-V2		953,00	m'	thickness : 200 mm wide : 7,5 m road fs : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention tanpa Modular Tank / Open Ditch

NO	DESKRIPSI				MUTIP		KETERANGAN
					JUMLAH/ UKURAN	SATUAN	
			S-S1		600,00	m'	thickness : 200 mm wide : 10 m road f's : 45 Mpa pedestrian Lean Concrete f'c : 10 Mpa Subgrade : CBR 6% LPA : 15 cm Drainage Bioretention tanpa Modular Tank / Open Ditch
	PARKING AREA :						
			PAKET 1				
			Parking 4		928,08	m2	48 cars
			Parking 5		7.708,91	m2	13 bus ; 135 cars
			Parking 6		4.808,70	m2	7 bus ; 39 cars
			Parking 7		900,00	m2	72 cars
			PAKET 2				
			Parking 9		11.703,27	m2	5 bus ; 58 cars ; 104 motorcycles
			Parking 10		1.827,22	m2	114 cars
	RIVER TRAINING :						
			PAKET 1				
			PAKET 2				
	BOX CULVERT :						
			PAKET 1				
			Box Culvert 22		60,00	m'	cast in situ f'c : 30 Mpa thickness : 450 mm width : 11 m height : 3 m
			PAKET 2				
			Box Culvert 08		45,00	m'	cast in situ f'c : 30 Mpa thickness : 600 mm width : 18,8 m height : 3 m
			Box Culvert 10		45,00	m'	cast in situ f'c : 30 Mpa thickness : 600 mm width : 18,8 m height : 3 m
			Box Culvert 12		45,00	m'	cast in situ f'c : 30 Mpa thickness : 600 mm width : 22,8 m height : 3 m
			Box Culvert 15 (Jembatan F1-U2)		24,00	m'	cast in situ f'c : 30 Mpa thickness : 450 mm width : 11,1 m height : 3 m
			Box Culvert 16		45,00	m'	cast in situ f'c : 30 Mpa thickness : 500 mm width : 17,4 m height : 3 m

NO	DESKRIPSI				MUTIP		KETERANGAN
					JUMLAH/ UKURAN	SATUAN	
			Box Culvert 21		45,00	m'	cast in situ f'c : 30 Mpa thickness : 400 mm width : 9,2 m height : 3 m
	UTILITY DUCT :						
			PAKET 1				
			GWT-WWTP		4.822,32	m'	Type 1 thickness : 250 mm width : 3 m height : 3 m precast f'c : 30 Mpa
			P ₁ - P ₂		75,60	m'	Type 1 thickness : 250 mm width : 3 m height : 3 m precast f'c : 30 Mpa
			Q ₃ - Q ₄		455,20	m'	Type 2 thickness : 250 mm width : 1 m height : 1 m precast f'c : 30 Mpa
			Q - R ₄		2.793,11	m'	Type 1 thickness : 250 mm width : 3 m height : 3 m precast f'c : 30 Mpa
			PAKET 2				
			R-U		765,04	m'	Type 1 thickness : 250 mm width : 3 m height : 3 m precast f'c : 30 Mpa
			W-W1		230,60	m'	Type 2 width : 1 m height : 1 m precast f'c : 30 Mpa
			R4-W4		150,78	m'	Type 2 width : 1 m height : 1 m precast f'c : 30 Mpa
			W2-U4		40,67	m'	Type 2 width : 1 m height : 1 m precast f'c : 30 Mpa
			W4-W1		33,71	m'	Type 2 width : 1 m height : 1 m precast f'c : 30 Mpa
			U1-U4		331,14	m'	Type 2 width : 1 m height : 1 m precast f'c : 30 Mpa
			U-F		879,96	m'	Type 1 thickness : 250 mm width : 3 m height : 3 m precast f'c : 30 Mpa

NO	DESKRIPSI				MUTIP		KETERANGAN
					JUMLAH/ UKURAN	SATUAN	
			U-U3		405,91	m'	Type 1 thickness : 250 mm width : 3 m height : 3 m precast f'c : 30 Mpa
			W1-W2		82,571	m'	Type 2 width : 1 m height : 1 m precast f'c : 30 Mpa
			F2-F3		50,4	m'	Type 2 width : 1 m height : 1 m precast f'c : 30 Mpa
	TEMPORARY EVACUATION SHELTER (TES) :						
			TES 1		522,70	m2	
			TES 4		3.414,97	m2	3 Building
			TES 6		1.450,64	m2	
			TES 7		2.088,77	m2	
	GROUND WATER TANK		GWT West		8.000 m3 x 2 tangki		Bentuk Circular f'c : 25 Mpa
			GWT East		7,000 m3 x 1 tangki		Bentuk Circular f'c : 25 Mpa
	STREET LIGHTING				Solar LED Street Light		SOLAR LED STREET LIGHT Model Name : RL EXAIO-C Body : Aluminium Alloy Power : 100 Watt Solar Panel : 144W DC36V Mono Battery : LifePO4 Battery 40AH DC25.6 CCT : 6000-6500K IP : 67
	CLEAN WATER PIPE						
	From Pump Room :	HDPE Pipe diameter :			250	mm	
					300	mm	SWRO Pipe
					350	mm	PDAM Pipe
					400	mm	
	In Road Line :	HDPE Pipe diameter :			50	mm	
					65	mm	
					80	mm	
					125	mm	
					150	mm	2940
					200	mm	
					250	mm	

NO	DESKRIPSI		MUTIP		KETERANGAN	
			JUMLAH/ UKURAN	SATUAN		
			300	mm	1	
	Elbow L 90o Diameter		40 x 40	mm		
			50 x 50	mm		
			80 x 80	mm		
			400 x 400	mm		
	Tee Diameter		50 x 50 x 50	mm		
			80 x 80 x 65	mm		
			80 x 80 x 80	mm		
			100 x 100 x 65	mm		
			200 x 200 x 80	mm		
			200 x 200 x 150	mm		
	Water Meter Diameter		50	mm		
	Gate Valve		40	mm		
			50	mm		
			80	mm		
	SEWAGE LIFTING STATION					
	From Pump Room :	HDPE Pipe diameter :	250	mm	SWRO Pipe	
			300	mm		
			350	mm		PDAM Pipe
			400	mm		
	In Road Line :	HDPE Pipe diameter :	50	mm	312	
			65	mm		
			80	mm		
			125	mm		
			150	mm		
			200	mm		
			250	mm		
			300	mm		
	Elbow L 90o Diameter		40 x 40	mm		
			50 x 50	mm		
			80 x 80	mm		
			400 x 400	mm		
	Tee Diameter		50 x 50 x 50	mm		
			80 x 80 x 65	mm		
			80 x 80 x 80	mm		

NO	DESKRIPSI		MUTIP		KETERANGAN
			JUMLAH/ UKURAN	SATUAN	
			100 x 100 x 65	mm	
			200 x 200 x 80	mm	
			200 x 200 x 150	mm	
		Water Meter Diameter	50	mm	
		Gate Valve	40	mm	
			50	mm	
			80	mm	
	WASTE WATER PIPE	HDPE Pipe diameter :	50	mm	
	IRRIGATION WATER PIPE				
		HDPE Pipe diameter :	25	mm	
			32	mm	
			40	mm	
			50	mm	
			65	mm	1496
			100	mm	
			150	mm	
		Tee Diamater	65 x 65 x 40	mm	
			150 x 150 x 40	mm	
		Water Meter Diameter	25	mm	
			32	mm	
			40	mm	
		Gate Valve Diameter	65	mm	
			100	mm	
			150	mm	
			250	mm	
		Elbow 45o Diameter	40 x 40	mm	
		Elbow L 90o Diameter	50 x 50	mm	
		PRV Diameter	25	mm	
			32	mm	
			50	mm	
			65	mm	
		Cable Tray Utility Duct			

NO	DESKRIPSI		MUTIP		KETERANGAN
			JUMLAH/ UKURAN	SATUAN	
	Lighting Utility Duct				
	Pump				
	GATE				
	Security Booth	Substructure			
	BUS SHELTER	Berugak 6m x 3m			Substructure, Frame Upper Floor, Roof, Floor Finish, Furniture accessories, Electrical (Lighting Baret Lamp TLC, MCB Box, Panel LP - Halte, Circuit Wiring), cctv, cable fiber optic
	LANDSCAPE				
3	WASTE WATER TREATMENT PLANT (+/- IDR 80 MILYAR)				
	Sequencing Batch Reactor - Anaerobic Baffle Reactor				Land Required : 0,48 Ha
			10.000	m3 / day	System Sequence : Screen - Collecting Wells - ABR - SBR - Rapid Sand Filter - Maturation Pond - Sludge Drying Bed
					Treatment Capacity 240,6 Liter per Day ; Sludge Production 9,5 m3 per day
4	ELECTRICITY AND SUPPORTING FACILITIES (+/- IDR 500 MILYAR)				
	Main Panel Control 1		120	MVA	Medium Voltage Network 20 kV
	Main Panel Control 2		145	MVA	SCADA System with CCTV Monitoring
					Total Demand + Safety Factor : 265 Kva (thn 2040)
5	SOLID WASTE TREATMENT PLANT (+/- IDR 50 MILYAR)				
			5.000	m2	rencana timbulan limbah max (tahun 2040) : 600,5 m3 / day
					System : Reuse / Recycleable & Composting & Incinerator with capacity 0,5 m3/day (Under Discussion with AIIB)