

Project name	:	PLTA WAY SEMANGKA
Location	:	Kab LIWA , LAMPUNG
EPC-Cost		203,390 Juta Rp.
Installed Capacity		14,120 kW
Equity	30%	61,017 Juta Rp.
Loan	70%	142,373 Juta Rp.
Interest		14%
IDC		9,966 Juta Rp.
Total Loan		152,339 Juta Rp.
Total Project Cost		213,356 Juta Rp.
Produksi		71,459,626 kWh
Harga		656.0 Rp/kWh
Escalasi		0% per 3 tahun
Tax		30%
Repayment		8 Tahun
Life Time		20 Tahun
Escalasi O & M		1% Tahun

ANALISIS KEUANGAN PROYEK PLTA WAY SEMANGKA

Kapasitas 14,12 MW

Tarif per kWh
656.0 Rp/kWh

Index cost
 1,199 US\$/kW
 33.17 cUS\$/kWh

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
		1.01	2.01	3.01	4.01	5.01	6.01	7.01	8.01	9.01	10.01	11.01	12.01	13.01	14.01	15.01	16.01	17.01	18.01	19.01
Cost	%																			
	30																			
	70																			
Construction	64,007	149,349																		
O&M-Cost	3.0%	6,401	6,465	6,529	6,595	6,661	6,727	6,794	6,862	6,931	7,000	7,070	7,141	7,212	7,285	7,357	7,431	7,505	7,580	7,656
Prinsipal		19,042	19,042	19,042	19,042	19,042	19,042	19,042	19,042	-										
Interest		21,327	18,662	15,996	13,330	10,664	7,998	5,332	2,666	-										
Total Cost		46,771	44,169	41,567	38,967	36,367	33,767	31,169	28,571	6,931	7,000	7,070	7,141	7,212	7,285	7,357	7,431	7,505	7,580	7,656
Tariff		656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0
Revenue		46,878	46,878	46,878	46,878	46,878	46,878	46,878	46,878	46,878	46,878	46,878	46,878	46,878	46,878	46,878	46,878	46,878	46,878	46,878
Income Before Tax		107	2,709	5,310	7,911	10,511	13,110	15,709	18,307	39,946	39,877	39,807	39,736	39,665	39,593	39,520	39,447	39,372	39,297	39,221
Depresiasi		10,668	10,668	10,668	10,668	10,668	10,668	10,668	10,668	10,668	10,668	10,668	10,668	10,668	10,668	10,668	10,668	10,668	10,668	10,668
Income		8,482	11,083	13,685	16,285	18,885	21,485	24,083	26,681	29,279	29,209	29,139	29,069	28,997	28,925	28,852	28,779	28,704	28,629	28,554
Tax		2544.5	3325.0	4105.4	4885.6	5665.6	6445.4	7225.0	8004.4	8783.6	8762.8	8741.8	8720.6	8699.2	8677.5	8655.7	8633.6	8611.3	8588.8	8566.1
Net Income After Tax	(64,007) (149,349)	40,476.8	40,412.8	40,348.2	40,282.9	40,216.9	40,150.3	40,083.1	40,015.1	39,946.5	39,877.2	39,807.2	39,736.5	39,665.1	39,592.9	39,520.1	39,446.5	39,372.2	39,297.2	39,221.4

IRR	17.14%
Tariff	656.0 Rp/kWh
	7.29 Cent/kWh
Konversi	9,000

20
20.01

7,733

7,733

656.0
46,878

39,145

10,668

28,477

8543.1

39,144.8