

Project Cash Flow

Assumptions		
Capex	THB	35,500,000
Equity	%	30%
Equity amount	THB	10,650,000
Debt		
Senior debt A		
Gearing ratio	%	70%
Loan amount	THB	24,850,000
Debt interest rate	%	6.0%
Debt period	Year	7

Senior debt B		
Gearing ratio	%	0%
Loan amount	THB	-
Debt interest rate	%	0.0%
Debt period	Year	20

Debt Schedule - Senior debt A

Year	0	1	2	3	4	5	6	7	8	9
Debt Indicator		1	1	1	1	1	1	1	0	0
Account Balance										
Opening Balance		24,850,000.00	21,300,000.00	17,750,000.00	14,200,000.00	10,650,000.00	7,100,000.00	3,550,000.00	-	-
Add: Drawdown	24,850,000.00									
Less: Scheduled Repayment		(3,550,000.00)	(3,550,000.00)	(3,550,000.00)	(3,550,000.00)	(3,550,000.00)	(3,550,000.00)	(3,550,000.00)	-	-
Closing Balance	24,850,000.00	21,300,000.00	17,750,000.00	14,200,000.00	10,650,000.00	7,100,000.00	3,550,000.00	-	-	-
Interest rate										
Senior debt A	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%
Interest cost	-	(1,491,000)	(1,278,000)	(1,065,000)	(852,000)	(639,000)	(426,000)	(213,000)	-	-

Debt Schedule - Senior debt B

Year	0	1	2	3	4	5	6	7	8	9
Debt Indicator		1	1	1	1	1	1	1	1	1
Account Balance										
Opening Balance		-	-	-	-	-	-	-	-	-
Add: Drawdown	-									
Less: Scheduled Repayment		-	-	-	-	-	-	-	-	-
Closing Balance	-	-	-	-	-	-	-	-	-	-
Interest rate										
Senior debt B	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Interest cost	-	-	-	-	-	-	-	-	-	-
Total Debt repayment (A+B)	-	(3,550,000)	(3,550,000)	(3,550,000)	(3,550,000)	(3,550,000)	(3,550,000)	(3,550,000)	-	-
Total interest cost (A+B)	-	(1,491,000)	(1,278,000)	(1,065,000)	(852,000)	(639,000)	(426,000)	(213,000)	-	-

Year	0									
Cash Flow	%	Month1	Month2	Month3	Month4	Month5	Month6	Month7	Month8	Total
Down payment	20%	4,970,000.00	-	-	-	-	-	-	-	4,970,000.00
PV module and Inverter ordering	40%	2,982,000.00	-	6,958,000.00	-	-	-	-	-	9,940,000.00
Meachnical and Electrical completion	30%	-	-	-	1,863,750.00	1,863,750.00	1,863,750.00	1,863,750.00	-	7,455,000.00
Commercial Operation	10%	-	-	-	-	-	-	-	2,485,000.00	2,485,000.00
Total	100%	7,952,000.00	-	6,958,000.00	1,863,750.00	1,863,750.00	1,863,750.00	1,863,750.00	2,485,000.00	24,850,000.00

ปี	เงินลงทุน	ผลิตไฟฟ้าช่วง Peak	ผลิตไฟฟ้าช่วง Peak	ผลิตไฟฟ้าช่วง Holiday	พลังงานผลิตไฟฟ้าจาก Solar	ค่าเสื่อม	อัตราค่าไฟฟ้า Peak	อัตราค่าไฟฟ้า Off Peak	อัตราค่าไฟฟ้า Holiday	ค่าไฟฟ้า Solar ผลิตได้	ค่าบำรุงรักษา	เงินต้น	ดอกเบี้ย	รายได้สุทธิรายปี	รายได้สุทธิสะสม
Year	Capex (THB)	Solar Generation (kWh)			Energy generation (kWh)	Energy generation (kWh)	Tariff (THB/kWh)			Revenue (THB)	O&M (THB/Yr)	Debt Repayment (THB)	Interest Expense (THB)	Net Cashflow (THB)	Cumulative Net Cashflow (THB)
		P	OP	H			P	OP	H						
Year 0	(10,650,000.00)									-			-	(10,650,000)	(10,650,000)
Year 1		1,683,513	703,154	81,133	2,467,800	97.50%	2.6149	1.6273	1.6273	5,678,561	(342,468)	(3,550,000)	(1,491,000)	295,093	(10,354,907)
Year 2		1,675,095	699,638	80,727	2,455,461	97.00%	2.6149	1.6273	1.6273	5,650,168	(342,468)	(3,550,000)	(1,278,000)	479,700	(9,875,206)
Year 3		1,666,720	696,140	80,324	2,443,184	96.50%	2.6149	1.6273	1.6273	5,621,918	(342,468)	(3,550,000)	(1,065,000)	664,450	(9,210,757)
Year 4		1,658,386	692,659	79,922	2,430,968	96.00%	2.6149	1.6273	1.6273	5,593,808	(342,468)	(3,550,000)	(852,000)	849,340	(8,361,417)
Year 5		1,650,094	689,196	79,523	2,418,813	95.50%	2.6149	1.6273	1.6273	5,565,839	(342,468)	(3,550,000)	(639,000)	1,034,371	(7,327,046)
Year 6		1,641,844	685,750	79,125	2,406,719	95.00%	2.6149	1.6273	1.6273	5,538,010	(342,468)	(3,550,000)	(426,000)	1,219,542	(6,107,504)
Year 7		1,633,635	682,321	78,729	2,394,685	94.50%	2.6149	1.6273	1.6273	5,510,320	(342,468)	(3,550,000)	(213,000)	1,404,852	(4,702,653)
Year 8		1,625,466	678,910	78,336	2,382,712	94.00%	2.6149	1.6273	1.6273	5,482,768	(342,468)	-	-	5,140,300	437,647
Year 9		1,617,339	675,515	77,944	2,370,798	93.50%	2.6149	1.6273	1.6273	5,455,354	(342,468)	-	-	5,112,886	5,550,534
Year 10		1,609,252	672,138	77,554	2,358,944	93.00%	2.6149	1.6273	1.6273	5,428,077	(342,468)	-	-	5,085,609	10,636,143
Year 11		1,601,206	668,777	77,167	2,347,150	92.50%	2.6149	1.6273	1.6273	5,400,937	(342,468)	-	-	5,058,469	15,694,612
Year 12		1,593,200	665,433	76,781	2,335,414	92.00%	2.6149	1.6273	1.6273	5,373,932	(342,468)	-	-	5,031,464	20,726,077
Year 13		1,585,234	662,106	76,397	2,323,737	91.50%	2.6149	1.6273	1.6273	5,347,063	(342,468)	-	-	5,004,595	25,730,671
Year 14		1,577,308	658,795	76,015	2,312,118	91.00%	2.6149	1.6273	1.6273	5,320,327	(342,468)	-	-	4,977,859	30,708,531
Year 15		1,569,421	655,501	75,635	2,300,557	90.50%	2.6149	1.6273	1.6273	5,293,726	(342,468)	-	-	4,951,258	35,659,789

Remarks

Peak mean Mon - Fri: 9.00 - 22.00
Off-Peak mean Mon - Fri: 22.00 - 9.00
Holiday: Sat-Sun and Public holiday 0.00 am - 24.00

P
OP
H

มูลค่าปัจจุบันสุทธิ
อัตราผลตอบแทน
ระยะเวลาคืนทุน

NPV	6,358,722
IRR	16.16%
Payback Period	7.91