

Item		Unit	CCGT solar share 0%	ISCC solar share 16%
Solar field				
Number of collectors			-	634
Aperture area	817 m ² /Col	1000 m ²	-	518
Solar heat	414 kJ/s Col	MJ /s	-	262
Annual irradiation at site		kWh / a	-	2,400
Annual solar heat to power block *)	46%	MWh / a	-	572
Power & energy balance				
Rated net power output, gross		MW _e	484.4	581.5
of which solar **)	37%	MW _e	-	97
Rated efficiency, gross, day time	912 MWt	-	53.1%	63.8%
Utilization time full load, CCGT part		-	5,500	5,500
Reference electricity generation		GWh _e / a	2,664	2,876
Net electricity production, power plant		GWh _e / a	2,544	2,746
of which, solar electricity **)	37%	GWh _e / a	-	212
Annual average electrical efficiency		-	52%	56%
Fuel consumption		GWh _t / a	5,123	5,123
Financial constraints				
Lifetime power plant		a	25	25
Discount rate on real terms (WACC)		%	6.5%	6.5%
Gas price ref. to LHV		US\$ / MWh _t	25.00	25.00
Non-fuel OPEX		-	5.0%	5.50%
CAPEX, US\$ 2014; ± 20%				
Specific CAPEX total plant		US\$ / kW _e	900	1,250
Specific CAPEX solar part only		US\$ / kW _e	-	2,996
Electricity generation costs in real terms				
Annualized CAPEX		"000" US\$ / a	35,741	59,592
OPEX		"000" US\$ / a	21,798	39,979
Fuel cost		"000" US\$ / a	128,087	128,087
Specific electricity generation cost				
Fixed cost		US\$ / MWh _e	22.61	36.26
Fuel cost		US\$ / MWh _e	50.34	46.64

*) solar field thermal efficiency taken from SolPro

*) steam cycle efficiency calculated with KPRO

Item	Equity	Loan
Asset shares	30%	70%
Risk free rate of return, after tax	5.0 %/a	5.0 %/a
Risk and venture premium, after tax	6.0 %/a	1.0 %/a
Corporate 25%	3.7 %/a	0.0 %/a
Cost of capital in nominal terms	14.7 %/a	6.0 %/a
$WACC_n$ in nominal terms, before tax	8.60 %/a	
./. Expected Inflation rate	2.00 %/a	
$WACC_r$ inflation adjusted	6.50 %/a	