

Plan for projects

All projects will first get the microalgae farm going as they can be established and in production in less than a year plus they are highly profitable when established using AIB technology.

The cash flow from the microalgae farm makes funding easier for the rest of the project.

Financials for stage 1 with only microalgae – based on Malaysian conditions

Summary of capital costs and funding required RM			Operating Years					
Total to Yr 1			1	2	3	4	5	
1	Land & Infra structure cost	459,000	459,000					
2	Equipment	2,945,000	2,945,000	2,945,000	2,945,000	2,945,000	2,945,000	2,945,000
3	Solar power	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
4	Anaerobic digestion	650,000	650,000	650,000	650,000	650,000	650,000	650,000
5	Pre operating expenses	210,000						
6	Non specified costs	300,000	300,000	300,000	300,000	300,000	300,000	300,000
	Total funds for capital expenditure	6,064,000	5,854,000	5,395,000	5,395,000	5,395,000	5,395,000	5,395,000
	Add to that other costs like overheads							

Balance sheet								
			Year	End				
BALANCE SHEET AT MONTH			1	2	3	4	5	
TOTAL PROJECT CAPEX			5,854,000	11,249,000	16,644,000	22,039,000	27,434,000	
10% per annual depreciation			408,680	808,180	1,207,680	1,607,180	2,006,680	
Less Cumulative Depn 10%			408,680	1,216,860	2,424,540	4,031,720	6,038,400	
Short term loan			4,000,000	4,000,000	3,000,000	1,000,000	-	
Cash on hand			2,135,433	1,031,677	1,190,209	2,639,030	7,363,042	
	Net Assets		3,580,753	7,063,817	12,409,669	19,646,310	28,758,642	
Represented by:								
Total Shareholders funds								
Add income for period			1,580,753	5,063,817	10,409,669	17,646,310	26,758,642	
Expected shareholders funds			2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	
			3,580,753	7,063,817	12,409,669	19,646,310	28,758,642	

Cash - flow								
CASH FLOW FOR OPERATING YEAR								
			1	2	3	4	5	
Projected net income			1,580,753	3,483,063	5,345,852	7,236,642	9,112,332	
Shareholders funds			2,000,000					
Bank Loan			4,000,000		(1,000,000)	(2,000,000)	(1,000,000)	
Add back depn			408,680	808,180	1,207,680	1,607,180	2,006,680	
	Total incoming		7,989,433	4,291,243	5,553,532	6,843,822	10,119,012	
Less outgoing								
Capex			5,854,000	5,395,000	5,395,000	5,395,000	5,395,000	
Net cash on hand			2,135,433	1,031,677	1,190,209	2,639,030	7,363,042	

Profit & Loss - RM										
Years					1	2	3	4	5	
Farm size is stated in number of Hectares					1	2	3	4	5	
Spirulina produced per 0.5 hectare per year				10,000						
Nanno produced per 0.5 ha per year				15,000						
Revenue - Spirulina		75 Per Kg			750,000	1,500,000	2,250,000	3,000,000	3,750,000	
- Nanno		150 Per Kg			2,250,000	4,500,000	6,750,000	9,000,000	11,250,000	
Cost of goods sold -										
fertilizers and water					60,000	120,000	180,000	240,000	300,000	
Gross Profit/(Loss)					2,940,000	5,880,000	8,820,000	11,760,000	14,700,000	
Expenditure										
R&D contribution =3% of sales					90,000	180,000	270,000	360,000	450,000	
Consultation with universities					104,000	104,000	104,000	104,000	104,000	
Operational expenses				Cost per						
Staff Costs										
Supervisors				2	50,000	100,000	120,000	144,000	207,360	
Workers				7	30,000	210,000	420,000	630,000	1,050,000	
Adminstrative							-	-	-	
Manager (Biotech)				1	70,000	70,000	84,000	100,800	145,152	
Admin/accounts				1	30,000	30,000	33,000	72,600	79,860	
Utilities cost - water, electricity					1,200	1,200	1,440	1,728	2,074	2,488
Office & other overheads - travel/tel/Internet...					6,000	6,000	7,200	8,640	10,368	12,442
Directors fees & expenses						-	-	-	-	-
Dep & Amortization						408,680	808,180	1,207,680	1,607,180	2,006,680
Maintenance cost						292,700	562,450	832,200	1,101,950	1,371,700
Interest payment						16,667	16,666.67	12,500	4,167	-
Other Expenses						30,000	60,000	90,000	120,000	150,000
Total Expenditures						1,359,247	2,396,937	3,474,148	4,523,358	5,587,668
Profit/(Loss) Before Tax						1,580,753	3,483,063	5,345,852	7,236,642	9,112,332
Cumulative P&L						1,580,753	5,063,817	10,409,669	17,646,310	26,758,642