IRR calculations for Gas Turbine Project in Apollo	Tyres						
Project parameters							
Initial Investment of the proposed project (2 x 4.2 MW)		i e					
(Rs in millions)	275.00						
Annual administrative cost (Rs in millions)	0.50						
Annual escalation in administrative cost	5.00%						
Expected CER pricing (Rs/ ton of Co2)	308.00	i					
Production loss during project implementation (Rs in		i					
million)							
Year	2005	2006	2007	2008	2009	2010	2011
Expenditure							
Initial investment (equity)	275.00						
Recurring cost							
Cost of insurance (1.5% of project cost) every year		4.13	4.13	4.13	4.13	4.13	4.13
Income Tax on Energy Savings		44.58	50.61	57.12	64.15	71.74	76.08
Total cashflow out (A)	275.00	48.71	54.73	61.24	68.28	75.87	80.21
				011	55.25		30.21
Income							
Salvage Value of project (10%)		0	0	0	0	0	0
Saving in income tax due to depreciation (35% of		8.66	8.66	8.66	8.66	8.66	8.66
depreciated amount)							
Savings in operating cost based on following							
figures. F.C	7						
Price of Rs. 12/kg with 8% Escalation, Grid							
power at price of Rs. 5.3/kWh with 8% escalation							
N.G. Price of Rs. 8.2/SM3 with constant price for							
first 5 years and 12% Escalation for next 5 years							
Maintenance cost escalation 5% every year		407.07	444.00	400.00	400.00	004.00	047.00
OFD and the	0	127.37		163.20		204.98	217.38
CER credits Total project income without considering	0	13.94	13.94	13.94	13.94	13.94	13.94
CER credits(B)	0	136.04	153 26	171.86	191.95	213.64	226.04
Total project income with considering	U	100.04	100.20	11 1.00	101.00	210.01	T
CER credits(C)	0	149.98	167.20	185.80	205.89	227.58	239.98
Net cash flow without							
considering CER Credits (A-B)	-275.00	87.33	98.53	110.62	123.67	137.77	145.83
Net cash flow with	077.00	404.55	440.45	404.55	10= 6	4=4=1	4505
considering CER Credits (A-C)	-275.00	101.27	112.46	124.56	137.61	151.71	159.77
IRR of the project without considering CER credits	//1 970/						
IRR of the project	41.27%						
with considering CER credits	45.60%						
	10.0070	l					

2012	2013	2014	2015	2016	2017	2018	2019	2020
4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13
81.70	85.33	90.24	95.32	100.56	105.95	111.46	117.07	122.75
85.82	89.46	94.36	99.44	104.68	110.07	115.58	121.20	126.87
0 00	0 00	0.00	0.00	0 00	0	0 00	0 00	27.5
8.66	8.66	8.66	8.66	8.66	8.66	8.66	8.66	8.66
233.42	243.81	257.82	272.33	287.31	302.70	318.45	334.49	350.71
13.94	13.94	13.94	13.94	13.94	13.94	13.94	13.94	13.94
242.09	252.47	266.49	281.00	295.97	311.36	327.12	343.15	386.87
256.02	266.41	280.42	294.93	309.91	325.30	341.05	357.09	400.81
156.26	163.02	172.12	181.55	191.29	201.29	211.53	221.95	260.00
170.20	176.95	186.06	195.49	205.23	215.23	225.47	235.89	273.94