

BIO-DIESEL**7. Bio- Diesel**

Production capacity	Quantity: Value: Rs. lakhs
Quality and standards for the product	BIS proposed specifications of 1998(provisional)
User profile	Transport sector.
Motive power required	12HP
Project cost	
Land & building	1000 sq mtr land, workshop shed – 3000 sq mtrs, workshop
Machinery & Equipment:	1. Seed crushing expeller – 1 2. Filter press- 1 3. Storage vessels 4. process plant 5. baby boiler 6. quality control & equipment etc 7. pipes & fittings 8. installation charges total : 34.1 lakhs
Raw materials per month(per truck)	Jetropha seeds: 75 MT, Chemicals 0.62 MT, additives 0.2 MT Total: Rs5.12 lakhs
Utilities per month	Fuel, Power (400 HP) & water : Rs 56,000 pm
Other contingent expenditure per month	Postage, adv, repair, maintenance, telephone, transportation, insurance, rent, misc – Rs 25000 pm
Staff / labour :	Manager, Operators(4), Skilled workers (3), unskilled workers(6), Chemist, clerk, watchman Ttoal: Rs70,000 pm
Working capital required(for 3 months)	Rs. Rs6.55 lakhs pm, Rs.19.67 lakhs for 3 months
Total capital investment	Rs66.97 lakhs
Cost of production per year	Rs. 93.55 lakhs pa
Turnover per year	Bio Diesel, (225MR), Crude glycerine(by product) – 45 MT, DO cake (6.5% oil min) 900 MTs Rs.115.65lakhs
Net profit	Rs. 22.1 lakhs pa
Return on investment	33%
Break Even Point	49.64%
Machinery & Equipment suppliers M/s	M/s Ashoka Consultancy & Services, No. 3-10-102/1, Gokhale Nagar Colony, Ramanthapur, Hyderabad-13, Ph: 27039817, 55907733