

**FURFUR ALDEHYDE****20. FURFURALDEHYDE**

Production capacity	Quantity:, 450 MT pa Value: Rs. 202 Lakhs
Quality standards	IS 13322
User profile	Manufacture of furan derivatives, extractive distillation of hydrocarbons, decolorizing agent for wood resin, reactive solvent, mfr of varnishes, insecticide, reagent in analytical chemistry, refining of animal and vegetable oils etc
Land & building	5 acres land, 730 sq mts covered area – Rs 10 lakhs
Machinery & Equipment:	Digesters, stripping column, dehydrating colum, dehydrating column heat exchanger, decanter, distillation still, storage tanks, conveyors, water softener plant, cooling water tower, heat exchanger, boiler, ETP, motors, pumps, diesel genset, fittings and accessories, testing equipment, installation, MS platform etc – Rs 71 lakhs
Raw materials per month, for 3000 pairs	Corn cobs, bagasse, peanut hulls, rice husk, corn stalks, cotton seed hulls etc. Sulphuric acid, misc chemicals, MS drums – Rs 9.07 lakhs
Utilities per month	Power-1.92 lakhs Water- Rs. 4000 pm
Other contingent expenditure per month	Rs. 23,500
Staff / labour :	Manager, 3 supervisors, boiler operator, chemist, accountant, office assistant, 9 skilled workers , 24 unskilled workers – total pm 1.23 lakhs.
Working capital required( for 3 month)	Rs. 37.42 lakhs
Total capital investment	Rs 122.42 lakhs
Cost of production per year	Rs. 175.75 lakhs
Turnover per year	Rs. 202.5 lakhs
Net profit	Rs. 27.75 lakhs
Rate of return	22%
Break even	50%