

Profitability of sand making machine (Considering 30 Tons/Hrs. Capacity):

NOTE: This is a guideline how to make profitability report. Rates may vary according to location hence, visitor should workout profitability report according to local rates.

Sr. No.	Particulars	*Figures only for Guidelines	As per customer local supply / Availability
01	LAND & BUILDING :		
	Land required is minimum 30,000 sq. ft on rent per month	5,000.00	
02	PLANT & MACHINES :		
	a) Sand making machine & Electrical	40,00,000.00	
	b) Excise Duty on above	4,94,400.00	
	c) Installation & Electric fittings etc.	1,20,000.00	
	d) Transportation & other misc.	10,000.00	
	e) M.S.E.B. Deposits	2,00,000.00	
	TOTAL	48,24,400.00	
03	RAW MATERIAL :		
	0 to 16 mm material required per month (30 Tons x 8 hrs x 25 days) = 6000 Tons @ Rs. 125.00	7,50,000.00	
04	SALARIES & WAGES :		
	a) Operator One @ 7,000/- per month	7,000.00	
	b) Helpers One @ 4,000/- per month	4,000.00	
	TOTAL	11,000.00	
05	POWER & WATER :		
	a) Power charges per month	1,00,000.00	
	b) Misc. maintenance wear & tear per month	25,000.00	
	TOTAL	1,25,000.00	
06	WORKING CAPITAL REQUIRED :		
	a) Rent for 2 months (1 x 2)	10,000.00	
	b) Raw material for 2 months (Sr. no. 3 x 2)	15,00,000.00	
	c) Labor charges & salaries for 2 months (Sr. no. 4 x 2)	22,000.00	

	d) Power, wear & tear for 2 months (Sr. no. 5 x 2)	2,50,000.00	
	TOTAL	17,82,000.00	
07	TOTAL (Sr. no. 2 + Sr. no. 6)	66,06,000.00	
08	MONTHLY EXPENCES :		
	a) Rent per month (From Sr. no. 1)	5,000.00	
	b) Raw material per month (From Sr. no. 3)	7,50,000.00	
	c) Salaries & wages per month (From Sr. no. 4)	11,000.00	
	d) Power & water charges (From Sr. no. 5)	1,25,000.00	
	Interest on Total Capital per month (Sr. no. 7 x 13% / 12)	71,569.00	
	Depreciation (Sr. no. 2 x 15% / 12)	59,275.00	
	TOTAL	10,21,844.00	
09	SALES PROCEED :		
	Selling manufactured sand 30 Tons x 8 hrs x 25 days = 6,000 Tons @ Rs. 380.00	22,80,000.00	
10	GROSS PROFIT PER MONTH (Sr. n. 09 – Sr. no. 08)	12,58,156.00	

PROFIT TO CAPITAL RATIO COMESTO 81%

FEASIBILITY OF THE PROJECT:

Feasibility of the project to manufactured Artificial Sand / Crushed Sand depends up on following points:-

- 1) Rates & availability of natural sand is a basic criteria for feasibility.
- 2) Cost of river sand is calculated on distance of transportation from riverbed to destination along with royalty (Govt. Fees). If cost of river sand is equal to cost of manufactured sand following points have to be considered:-
 - a) 25% bulk age is to be considered for wet sand. Sieving. Wastage of 25% is to be considered for oversize material.
 - b) If organic impurities are more than 6%, sand should be washed. Washing cost is not less than Rs. 300.00 for 100 cft.
 - c) Sand from riverbed i.e. natural source doesn't confirm to IS 383 Grade, as natural manufacturing of sand is stopped because of Dam constructed on every riverbed.