PROJECT REPORT

Of

READY MIX CONCRETE

PURPOSE OF THE DOCUMENT

This particular pre-feasibility is regarding **Ready mix concrete**.

The objective of the pre-feasibility report is primarily to facilitate potential entrepreneurs in project identification for investment and in order to serve his objective; the document covers various aspects of the project concept development, start-up, marketing, finance and management.

[We can modify the project capacity and project cost as per your requirement. We can also prepare project report on any subject as per your requirement.]



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PROJECT AT A GLANCE

3 Father / Spouse Name xxxxxxxxxxx

District: xxxxxxx

5 Product and By Product : **READY MIX CONCRETE**

6 Name of the project / business activity proposed : READY MIX CONCRETE MAKING UNIT

7 Cost of Project : Rs.21.56 Lakhs

8 Means of Finance

 Term Loan
 Rs.14.4 Lakhs

 Own Capital
 Rs.2.16 Lakhs

 Working capital
 Rs.5 Lakhs

9 Debt Service Coverage Ratio : 2.52

 10 Pay Back Period
 :
 5 Years

 11 Project Implementation Period
 :
 5-6 Months

12 Break Even Point : 39%

 13
 Employment
 :
 11
 Persons

 14
 Power Requirement
 :
 30.00
 HP

15 Major Raw materials : Aggregates, cement, sand, Fly ash

16 Estimated Annual Sales Turnover (Max Capacity) : 79.11 Lakhs

17 Detailed Cost of Project & Means of Finance

COST OF PROJECT (Rs. In Lakhs)

Particulars	Amount
Land	Own/Rented
Building /Shed 1000 Sq ft	5.00
Plant & Machinery	9.50
Furniture & Fixtures	1.50
Working Capital	5.56
Total	21,56

MEANS OF FINANCE

Particulars	Amount
Own Contribution	2.16
Working Capital(Finance)	5.00
Term Loan	14.40
Total	21.56

READY MIX CONCRETE

Introduction: Ready-mix concrete (RMC) is a ready-to-use material, with predetermined mixture of cement, sand, aggregates and water. RMC is a type of concrete manufactured in a factory according to a set recipe or as per specifications of the customer, at a centrally located batching plant. It is delivered to a worksite, often in truck mixers capable of mixing the ingredients of the concrete or just before delivery of the batch. This results in a precise mixture, allowing specialty concrete mixtures to be developed and implemented on construction sites. The second option available is to mix the concrete at the batching plant and deliver the mixed concrete to the site in an agitator truck, which keeps the mixed concrete in correct form.



Uses & Market Potential: RMC is preferred to on-site concrete mixing because of the precision of the mixture and reduced worksite confusion. It facilitates speedy construction through programmed delivery at site and mechanized operation with consequent economy. It also decreases labour, site supervising cost and project time, resulting in savings. Proper control and economy in use of raw material results in saving of natural resources. It assures consistent quality through accurate computerized control of

aggregates and water as per mix designs. It minimizes cement wastage due to bulk handling and there is no dust problem and therefore, pollution-free.

The growth of RMC is predominantly driven by demand from the metro cities. In cities like Mumbai, the mandatory use of RMC is in construction of flyovers provided the requisite impetus to growth, according to an ICRA analysis. RMC is particularly useful when the building activity is located in congested sites where little space is available for siting the mixer and for stock piling of aggregates.

Following are the places where Ready to mix concrete (RMC) can be used:

- Major concerting projects like dams, roads, bridges, tunnels, canals etc.
- For concreting in congested areas where storage of materials is not possible.
- Sites where intensity of traffic makes problems.
- When supervisor and labour staff is less.
- To reduce the time required for construction etc.
- Huge industrial and residential projects.

Raw material: Major materials used are as follows:

- 1. Aggregate
- 2. Cement
- 3. Fly ash
- 4. Sand
- 5. Packing material (20kg, 50kg bags, etc.)

Manufacturing Process: The raw materials are procured and are thoroughly tested for their quality and physical properties. The required raw materials are stored in Silos in required quantity. Lime stone is put into the crusher where the material is crushed. Aggregates are transferred to crusher where crushing activity takes place and are crushed in required size. The

material is then transferred to Compressed Air mixer in which the required material is mixed. The final product or mixture is then transferred to Silo for storing purpose. Finally the mixture that is ready for sale is packed in 25kg or 50 kg bags as per market and consumer preference.

Machinery & equipments: Basic machines & equipments are:

Name	Unit	Price
Crusher	2	190000
Compressed Air mixer	1	140000
Silos	5	500000
Other equipments (Bins, compressor,	LS	120000
pumps, etc.)		

Area:

The industrial setup requires space for Inventory, workshop or manufacturing area, space for power supply utilities and auxiliary like Generator setup. Also some of the area of building is required for office staff facilities, documentation, office furniture, etc. Thus, the approximate total area required for complete industrial setup is 1000 to 1500Sqft. Civil work cost will be around 5 Lac Rs.(Approx.)

Power Requirement – The power consumption required to run all the machinery could be approximated as 30hp.

Manpower Requirement – There are requirement of skilled machine operators to run the machine set. Experience quality engineers are required for desired quality control. Some helpers are also required to transfer the material from one work station to other. Office staffs are required to maintain

the documentation. The approximate manpower required is 11 including 1 Supervisor, 3 Plant operator and 2 unskilled worker , 1 Helper, 1 Security guard. 3 Skilled worker including Accountant, Manager and Sales person.

Bank Term Loan: Rate of Interest is assumed to be at 11%

<u>Depreciation:</u> Depreciation has been calculated as per the Provisions of Income Tax Act, 1961

Approvals & Registration Requirement:

Basic registration required in this project:

- GST Registration
- Udyog Aadhar Registration (Optional)
- Choice of a Brand Name of the product and secure the name with Trademark if require

Implementation Schedule:

S No.	Activity	Time required
1.	Acquisition of premises	1-2 Months
2.	Procurement & installation of Plant & Machinery	1-2 Months
3.	Arrangement of Finance	1.5-2 Months
4.	Requirement of required Manpower	1 Month
5.	Commercial Trial Runs	1 Month
	Total time Required (some activities shall run	5-6 Months
	concurrently)	

FINANCIALS

PARTICULARS	I	II	III	IV	v
SOURCES OF FUND					
Own Contribution	2.16	-			
Reserve & Surplus	4.92	6.97	9.11	11.65	14.48
Depriciation & Exp. W/off	2.08	1.80	1.56	1.35	1.17
Increase In Cash Credit	5.00				
Increase In Term Loan	14.40	-	-	-	-
Increase in Creditors	0.30	0.04	0.03	0.03	0.03
TOTAL:	28.86	8.81	10.69	13.03	15.67
APPLICATION OF FUND					
Increase in Fixed Assets	16.00	_	_	_	_
Increase in Stock	0.96	0.12	0.11	0.12	0.12
Increase in Debtors	5.19	0.70	0.65	0.67	0.70
Repayment of Term Loan	1.60	3.20	3.20	3.20	3.20
Taxation	-	1.74	2.28	3.50	4.34
Drawings	2.50	3.00	4.00	5.00	6.00
TOTAL:	26.26	8.77	10.24	12.48	14.36
Opening Cash & Bank Balance	-	2.60	2.64	3.10	3.64
Add : Surplus	2.60	0.04	0.46	0.55	1.32
Closing Cash & Bank Balance	2.60	2.64	3.10	3.64	4.96

DARWELL AND					••
PARTICULARS	I	II	III	IV	V
SOURCES OF FUND					
Capital Account					
Opening Balance	-	4.58	6.80	9.64	12.79
Add: Additions	2.16	-	-	-	-
Add: Net Profit	4.92	5.23	6.83	8.16	10.13
Less: Drawings	2.50	3.00	4.00	5.00	6.00
Closing Balance	4.58	6.80	9.64	12.79	16.92
CC Limit	5.00	5.00	5.00	5.00	5.00
Term Loan	12.80	9.60	6.40	3.20	-
Sundry Creditors	0.30	0.35	0.38	0.40	0.43
TOTAL:	22.68	21.75	21.41	21.40	22.36
APPLICATION OF FUND					
ATTLICATION OF FUND					
Fixed Assets (Gross)	16.00	16.00	16.00	16.00	16.00
Gross Dep.	2.08	3.87	5.43	6.78	7.95
Net Fixed Assets	13.93	12.13	10.57	9.22	8.05
Current Assets					
Sundry Debtors	5.19	5.90	6.54	7.22	7.91
Stock in Hand	0.96	1.08	1.20	1.31	1.43
Cash and Bank	2.60	2.64	3.10	3.64	4.96
	22.68	21.75	21.41	21.40	22.36

D) Bank Interest (Term Loan)	PROJECTED PROFITABILITY STA	TEMENT				
A) SALES Gross Sale Gross Gros						
A) SALES Gross Sale Gross Gros	PARTICULARS	ī	п	III	IV	v
Section						-
Total (A)	A) SALES					
B) COST OF SALES	Gross Sale	51.92	58.96	65.44	72.15	79.11
B) COST OF SALES						
Raw Material Consumed 12.99 14.88 16.12 17.36 18.60 Elecricity Expenses 2.51 2.74 2.97 3.20 3.42 Repair & Maintenance 5.19 5.90 6.54 7.22 7.91 Labour & Wages 15.12 16.63 18.30 19.94 21.34 Depreciation 2.08 1.80 1.56 1.35 11.7 Cost of Production 37.89 41.94 45.48 49.06 52.44 44.64 Opening Stock /WIP - 0.75 0.84 0.93 1.02 1.12 Cost of Sales (B) 37.14 41.85 45.39 48.96 52.34 48.96 Cost of Sales (B) 37.14 41.85 45.39 48.96 52.34 48.96 Cost of Sales (B) 37.14 41.85 45.39 48.96 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.	Total (A)	51.92	58.96	65.44	72.15	79.11
Raw Material Consumed 12.99 14.88 16.12 17.36 18.60 Elecricity Expenses 2.51 2.74 2.97 3.20 3.42 Repair & Maintenance 5.19 5.90 6.54 7.22 7.91 Labour & Wages 15.12 16.63 18.30 19.94 21.34 Depreciation 2.08 1.80 1.56 1.35 11.7 Cost of Production 37.89 41.94 45.48 49.06 52.44 44.64 Opening Stock /WIP - 0.75 0.84 0.93 1.02 1.12 Cost of Sales (B) 37.14 41.85 45.39 48.96 52.34 48.96 Cost of Sales (B) 37.14 41.85 45.39 48.96 52.34 48.96 Cost of Sales (B) 37.14 41.85 45.39 48.96 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.34 52.	B) COST OF SALES					
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Labour & Wages		2.51	2.74	2.97	3.20	3.42
Depreciation 2.08 1.80 1.56 1.35 1.17	Repair & Maintenance	5.19	5.90	6.54	7.22	7.91
Cost of Production 37.89 41.94 45.48 49.06 52.44 Add: Opening Stock /WIP - 0.75 0.84 0.93 1.02 Less: Closing Stock /WIP 0.75 0.84 0.93 1.02 1.12 Cost of Sales (B) 37.14 41.85 45.39 48.96 52.34 C) GROSS PROFIT (A-B) 14.78 17.10 20.05 23.19 26.77 D) Bank Interest (Term Loan) 1.56 1.28 0.92 0.57 0.22 ii) Interest On Working Capital 0.55 0.55 0.55 0.55 0.55 E) Salary to Staff 5.67 5.95 6.85 7.53 8.36 F) Selling & Adm Expenses Exp. 2.08 2.36 2.62 2.89 3.16 TOTAL (D+E) 9.86 10.14 10.94 11.54 12.29 H) NET PROFIT 4.92 6.97 9.11 11.65 14.48 1) Taxation - 1.74 2.28 3.50 4.34 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
Add: Opening Stock /WIP - 0.75 0.84 0.93 1.02 Less: Closing Stock /WIP 0.75 0.84 0.93 1.02 1.12 Cost of Sales (B) 37.14 41.85 45.39 48.96 52.34 C) GROSS PROFIT (A-B) 14.78 17.10 20.05 23.19 26.77 28.47% 29.01% 30.64% 32.14% 33.84% D) Bank Interest (Term Loan) 1.56 1.28 0.92 0.57 0.22 ii) Interest On Working Capital 0.55 0.55 0.55 0.55 0.55 E) Salary to Staff 5.67 5.95 6.85 7.53 8.36 F) Selling & Adm Expenses Exp. 2.08 2.36 2.62 2.89 3.16 TOTAL (D+E) 9.86 10.14 10.94 11.54 12.29 H) NET PROFIT 4.92 6.97 9.11 11.65 14.48 1) Taxation - 1.74 2.28 3.50 4.34 J) PROFIT (After Tax) 4.92 5.23 6.83 8.16 10.13 Raw Material Consumed Capacity Utilisation Utilisation 1 12.99 II 55% 12.99 II 60% 14.88 5% Increase in Cost IV 70% 17.36 5% Increase in Cost	Depreciation	2.08	1.80	1.56	1.35	1.17
Add: Opening Stock /WIP - 0.75 0.84 0.93 1.02 Less: Closing Stock /WIP 0.75 0.84 0.93 1.02 1.12 Cost of Sales (B) 37.14 41.85 45.39 48.96 52.34 C) GROSS PROFIT (A-B) 14.78 17.10 20.05 23.19 26.77 28.47% 29.01% 30.64% 32.14% 33.84% D) Bank Interest (Term Loan) 1.56 1.28 0.92 0.57 0.22 ii) Interest On Working Capital 0.55 0.55 0.55 0.55 0.55 E) Salary to Staff 5.67 5.95 6.85 7.53 8.36 F) Selling & Adm Expenses Exp. 2.08 2.36 2.62 2.89 3.16 TOTAL (D+E) 9.86 10.14 10.94 11.54 12.29 H) NET PROFIT 4.92 6.97 9.11 11.65 14.48 1) Taxation - 1.74 2.28 3.50 4.34 J) PROFIT (After Tax) 4.92 5.23 6.83 8.16 10.13 Raw Material Consumed Capacity Utilisation Utilisation 1 12.99 II 55% 12.99 II 60% 14.88 5% Increase in Cost IV 70% 17.36 5% Increase in Cost	Cost of Production	37.89	41 94	45.48	49.06	52.44
Less: Closing Stock /WIP	Cost of Froduction	37.07	11.71	40.40	47.00	32.44
Less: Closing Stock /WIP	Add: Opening Stock /WIP	_	0.75	0.84	0.93	1.02
Cost of Sales (B) 37.14 41.85 45.39 48.96 52.34	Less: Closing Stock /WIP	0.75	0.84	0.93	1.02	
C) GROSS PROFIT (A-B) 14.78 17.10 20.05 23.19 26.77 28.47% 29.01% 30.64% 32.14% 33.84% 33.84% 33.84% 33.84% 33.84% 30.92 0.57 0.22 ii) Interest On Working Capital 0.55 0.55 0.55 0.55 0.55 0.55 E) Salary to Staff 5.67 5.95 6.85 7.53 8.36 F) Selling & Adm Expenses Exp. 20.8 23.6 24.2 289 3.16 TOTAL (D+E) 9.86 10.14 10.94 11.54 12.29 H) NET PROFIT 4.92 6.97 9.11 11.65 14.48 9.5% 11.8% 13.9% 16.1% 18.3% 1) Taxation - 1.74 2.28 3.50 4.34 Raw Material Consumed Capacity Utilisation Raw Material Consumed Capacity Utilisation 1 55% 12.99 II 60% 14.88 5% Increase in Cost III 66% 16.12 5% Increase in Cost III 66% 17.36 5% Increase in Cost	,					
28.47% 29.01% 30.64% 32.14% 33.84% D) Bank Interest (Term Loan) 1.56 1.28 0.92 0.57 0.22 ii) Interest On Working Capital 0.55 0.55 0.55 0.55 0.55 E) Salary to Staff 5.67 5.95 6.85 7.53 8.36 F) Selling & Adm Expenses Exp. 2.08 2.36 2.62 2.89 3.16 TOTAL (D+E) 9.86 10.14 10.94 11.54 12.29 H) NET PROFIT 4.92 6.97 9.11 11.65 14.48 1	Cost of Sales (B)	37.14	41.85	45.39	48.96	52.34
28.47% 29.01% 30.64% 32.14% 33.84% D) Bank Interest (Term Loan) 1.56 1.28 0.92 0.57 0.22 ii) Interest On Working Capital 0.55 0.55 0.55 0.55 0.55 E) Salary to Staff 5.67 5.95 6.85 7.53 8.36 F) Selling & Adm Expenses Exp. 2.08 2.36 2.62 2.89 3.16 TOTAL (D+E) 9.86 10.14 10.94 11.54 12.29 H) NET PROFIT 4.92 6.97 9.11 11.65 14.48 1						
D) Bank Interest (Term Loan)	C) GROSS PROFIT (A-B)					
ii) Interest On Working Capital 0.55 0.55 0.55 0.55 E) Salary to Staff 5.67 5.95 6.85 7.53 8.36 F) Selling & Adm Expenses Exp. 2.08 2.36 2.62 2.89 3.16 TOTAL (D+E) 9.86 10.14 10.94 11.54 12.29 H) NET PROFIT 4.92 6.97 9.11 11.65 14.48 1) Taxation - 1.74 2.28 3.50 4.34 J) PROFIT (After Tax) 4.92 5.23 6.83 8.16 10.13 Raw Material Consumed Capacity Amount (Rs.) 4mount (Rs.)		_				33.84%
E) Salary to Staff F) Selling & Adm Expenses Exp. 2.08 2.36 2.36 2.62 2.89 3.16 TOTAL (D+E) 9.86 10.14 10.94 11.54 12.29 H) NET PROFIT 4.92 6.97 9.11 11.65 14.48 9.5% 11.8% 13.9% 16.1% 18.3% 1) Taxation - 1.74 2.28 3.50 4.34 J) PROFIT (After Tax) 4.92 5.23 6.83 8.16 10.13 Raw Material Consumed Capacity Utilisation Utilisation 1 55% 12.99 II 60% 14.88 5% Increase in Cost III 60% 17.36 5% Increase in Cost III 65% 16.12 5% Increase in Cost III 65% 16.12 5% Increase in Cost						
F) Selling & Adm Expenses Exp. 2.08 2.36 2.62 2.89 3.16 TOTAL (D+E) 9.86 10.14 10.94 11.54 12.29 H) NET PROFIT 4.92 6.97 9.11 11.65 14.48 9.5% 11.8% 13.9% 16.1% 18.3% I) Taxation - 1.74 2.28 3.50 4.34 J) PROFIT (After Tax) 4.92 5.23 6.83 8.16 10.13 Raw Material Consumed Capacity Amount (Rs.) — I 55% 12.99 — II 60% 14.88 5% Increase in Cost III 60% 14.88 5% Increase in Cost IV 70% 17.36 5% Increase in Cost						
TOTAL (D+E) 9.86 10.14 10.94 11.54 12.29 H) NET PROFIT 4.92 6.97 9.11 11.65 14.48 9.5% 11.8% 13.9% 16.1% 18.3% 1) Taxation - 1.74 2.28 3.50 4.34 J) PROFIT (After Tax) 4.92 5.23 6.83 8.16 10.13 Raw Material Consumed Capacity Amount (Rs.) Utilisation Utilisation I 55% 12.99 II 60% 14.88 5% Increase in Cost III 65% 16.12 5% Increase in Cost IV 70%	E) Salary to Staff					
H) NET PROFIT 4.92 6.97 9.11 11.65 14.48 9.5% 11.8% 13.9% 16.1% 18.3% 1) Taxation - 1.74 2.28 3.50 4.34 J) PROFIT (After Tax) 4.92 5.23 6.83 8.16 10.13 Raw Material Consumed Capacity Utilisation Utilisation I 1 55% 12.99 II 60% 14.88 5% Increase in Cost III 65% 16.12 5% Increase in Cost	F) Selling & Adm Expenses Exp.	2.08	2.36	2.62	2.89	3.16
9.5% 11.8% 13.9% 16.1% 18.3% I) Taxation	TOTAL (D+E)	9.86	10.14	10.94	11.54	12.29
Taxation	H) NET PROFIT	4.92	6.97	9.11	11.65	14.48
J) PROFIT (After Tax)		9.5%	11.8%	13.9%	16.1%	18.3%
Raw Material Consumed Capacity Amount (Rs.)	I) Taxation	-	1.74	2.28	3.50	4.34
Raw Material Consumed Capacity Amount (Rs.)						
Utilisation	J) PROFIT (After Tax)	4.92	5.23	6.83	8.16	10.13
Utilisation						
I 55% 12.99 II 60% 14.88 5% Increase in Cost III 65% 16.12 5% Increase in Cost IV 70% 17.36 5% Increase in Cost	Raw Material Consumed			Amount (Rs.)		
II 60% 14.88 5% Increase in Cost III 65% 16.12 5% Increase in Cost IV 70% 17.36 5% Increase in Cost		Utilisation				
II 60% 14.88 5% Increase in Cost III 65% 16.12 5% Increase in Cost IV 70% 17.36 5% Increase in Cost	Ţ	EE 0/		12.00		
III 65% 16.12 5% Increase in Cost IV 70% 17.36 5% Increase in Cost					E% Ingresse:	n Cost
IV 70% 17.36 5% Increase in Cost						
	V	75%				

COMPUTATION OF SALE

Particulars	I	II	III	IV	V
Op Stock	-	220.00	240.00	260.00	280.00
Production	13,200.00	14,400.00	15,600.00	16,800.00	18,000.00
	13,200.00	14,620.00	15,840.00	17,060.00	18,280.00
Less : Closing Stock(5 Days)	220.00	240.00	260.00	280.00	300.00
Net Sale	12,980.00	14,380.00	15,580.00	16,780.00	17,980.00
Sale Price per bag of 25 kg	400.00	410.00	420.00	430.00	440.00
Sale (in Lacs)	51.92	58.96	65.44	72.15	79.11

COMPUTATION OF MAKING OF READY MIX CONCRETE		
Item to be Manufactured Ready mix concrete(RMC)		
Manufacturing Capacity per day	2,000	kg
No. of Working Hour	8	
No of Working Days per month	25	
No. of Working Day per annum	300	
Total Production per Annum	6,00,000	kg
Total Production per Annum	24,000	Bags of 25 kg
Year	Capacity	READY MIX CONCRETE
	Utilisation	
I	55%	13,200.00
II	60%	14,400.00
III	65%	15,600.00
IV	70%	16,800.00
V	75%	18,000.00

COMPUTATION OF RAW MATERIAL

Item Name	Quantity of R Material	aw	Unit	Unit Rate of	Total CostPer Annum (100%)
Aggregates		110.00	Tonne	650.00	71,500.00
Cement		250.00	Tonne	6,500.00	16,25,000.00
Fly ash		125.00	Tonne	1,800.00	2,25,000.00
Sand		100.00	Tonne	3,200.00	3,20,000.00
Packing material					1,20,000.00
Total					23,61,500.00
Total Raw material in Rs lacs					23.62

COMPUTATION OF CLOSING STOCK &	WORKING CAPITA	<u>AL</u>			
PARTICULARS	I	п	Ш	IV	v
Finished Goods					
(5 Days requirement)	0.75	0.84	0.93	1.02	1.12
Raw Material					
(5 Days requirement)	0.22	0.25	0.27	0.29	0.31
Closing Stock	0.96	1.08	1.20	1.31	1.43

COMPUTATION OF WORKING CAPI	COMPUTATION OF WORKING CAPITAL REQUIREMENT					
Particulars	A	Manaia (100/)	NI_1			
Particulars	Amount	Margin(10%)	Net			
			Amount			
Stock in Hand	0.96					
Less:						
Sundry Creditors	0.30					
Paid Stock	0.66	0.07	0.60			
Sundry Debtors	5.19	0.52	4.67			
Working Capital Requirement	0.17	0.02	5.27			
Margin			0.59			
MPBF			5.27			
Working Capital Demand			5.00			

BREAK UP OF LABOUR			
Particulars	Wages	No of	Total
	Per Month	Employees	Salary
Supervisor	22,000.00	1	22,000.00
Plant Operator	18,000.00	3	54,000.00
Unskilled Worker	14,000.00	2	28,000.00
Helper	10,000.00	1	10,000.00
Security Guard	6,000.00	1	6,000.00
			1,20,000.00
Add: 5% Fringe Benefit			6,000.00
Total Labour Cost Per Month			1,26,000.00
Total Labour Cost for the year (In Rs. Lakhs)		8	15.12

BREAK UP OF SALARY			
Particulars	Salary	No of	Total
	Per Month	Employees	Salary
Manager	20,000.00	1	12,000.00
Accountant cum store keeper	18,000.00	1	18,000.00
Sales	15,000.00	1	15,000.00
Total Salary Per Month			45,000.00
Add: 5% Fringe Benefit			2,250.00
Total Salary for the month			47,250.00
Total Salary for the year (In Rs. Lakhs)		3	5.67

COMPUTATION OF DEPRECIA	ATION				
Description	Land	Building/shed	Plant & Machinery	Furniture	TOTAL
Rate of Depreciation		10.00%	15.00%	10.00%	
Opening Balance	Leased	10.00 /0	15.00 /6	10.0070	_
Addition		5.00	9.50	1.50	16.00
1144111011	_	5.00	9.50	1.50	16.00
		-	-	-	10.00
TOTAL		5.00	9.50	1.50	16.00
Less : Depreciation	_	0.50	1.43	0.15	2.08
WDV at end of Ist year	-	4.50	8.08	1.35	13.93
Additions During The Year	-	-	-	-	-
	-	4.50	8.08	1.35	13.93
Less : Depreciation	-	0.45	1.21	0.14	1.80
WDV at end of IInd Year	-	4.05	6.86	1.22	12.13
Additions During The Year	-	-	-	-	-
	-	4.05	6.86	1.22	12.13
Less : Depreciation	=	0.41	1.03	0.12	1.56
WDV at end of IIIrd year	-	3.65	5.83	1.09	10.57
Additions During The Year	-	-	-	-	-
	-	3.65	5.83	1.09	10.57
Less : Depreciation	-	0.36	0.88	0.11	1.35
WDV at end of IV year	-	3.28	4.96	0.98	9.22
Additions During The Year	-	-	-	-	-

3.28

0.33 2.95

Less : Depreciation WDV at end of Vth year 4.96

0.74 4.22 0.98

0.10

0.89

9.22

1.17

8.05

KEIATMEN	T SCHEDULE OF TERM	ILUAN	LOAN 11.0%				
Year	Particulars	Amount	Addition	Total	Interest	Repayment	Cl Balance
ī	Opening Balance					.,.,	
	Ist Quarter	14.40	_	14.40	0.40	-	14.40
	Iind Quarter	14.40	_	14.40	0.40	_	14.40
	IIIrd Quarter	14.40	_	14.40	0.40	0.80	13.60
	Ivth Quarter	13.60	-	13.60	0.37	0.80	12.80
					1.56	1.60	
II	Opening Balance					-100	
	Ist Quarter	12.80	-	12.80	0.35	0.80	12.00
	Iind Quarter	12.00	-	12.00	0.33	0.80	11.20
	IIIrd Quarter	11.20	-	11.20	0.31	0.80	10.40
	Ivth Quarter	10.40		10.40	0.29	0.80	9.60
					1.28	3.20	
III	Opening Balance						
	Ist Quarter	9.60	-	9.60	0.26	0.80	8.80
	Iind Quarter	8.80	-	8.80	0.24	0.80	8.00
	IIIrd Quarter	8.00	-	8.00	0.22	0.80	7.20
	Ivth Quarter	7.20		7.20	0.20	0.80	6.40
					0.92	3.20	
IV	Opening Balance						
	Ist Quarter	6.40	-	6.40	0.18	0.80	5.60
	Iind Quarter	5.60	-	5.60	0.15	0.80	4.80
	IIIrd Quarter	4.80	-	4.80	0.13	0.80	4.00
	Ivth Quarter	4.00		4.00	0.11	0.80	3.20
					0.57	3.20	
V	Opening Balance						
	Ist Quarter	3.20	-	3.20	0.09	0.80	2.40
	Iind Quarter	2.40	-	2.40	0.07	0.80	1.60
	IIIrd Quarter	1.60	-	1.60	0.04	0.80	0.80
	Ivth Quarter	0.80		0.80	0.02	0.80	- 0.00
					0.22	3.20	

Door to Door Period 60 Months Moratorium Period 6 Months Repayment Period 54 Months

CALCULATION OF D.S.C.R					
PARTICULARS	I	II	III	IV	v
CASH ACCRUALS	7.00	7.02	8.39	9.50	11.30
Interest on Term Loan	1.56	1.28	0.92	0.57	0.22
Total	8.56	8.30	9.31	10.08	11.52
REPAYMENT					
Repayment of Term Loan	1.60	3.20	3.20	3.20	3.20
Interest on Term Loan	1.56	1.28	0.92	0.57	0.22
Total	3.16	4.48	4.12	3.77	3.42
DEBT SERVICE COVERAGE RATIO	2.71	1.85	2.26	2.67	3.3
AVERAGE D.S.C.R.	1		2.52		

COMPUTATION OF ELECTRICITY			
(A) POWER CONNECTION			
Total Working Hour per day	Hours	8	
Electric Load Required	HP	30	
Load Factor		0.7460	
Electricity Charges	per unit	7.50	
Total Working Days		300	
Electricity Charges			4,02,840.00
Add : Minimim Charges (@ 10%)			
(B) DG set			
No. of Working Days		300	days
No of Working Hours		0.3	Hour per day
Total no of Hour		90	
Diesel Consumption per Hour		8	
Total Consumption of Diesel		720	
Cost of Diesel		65.00	Rs. /Ltr
Total cost of Diesel		0.47	
Add : Lube Cost @15%		0.07	
Total		0.54	
Total cost of Power & Fuel at 100%			4.57
Year	Capacity		Amount
			(in Lacs)
I	55%		2.51
II	60%		2.74
III	65%		2.97
IV	70%		3.20
V	75%		3.42



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