

# PROJECT REPORT

## Of

### CEMENT PRODUCT (Cement Pole & Wall Compound)

## PURPOSE OF THE DOCUMENT

This particular pre-feasibility is regarding Cement Product (Cement Pole & Wall Compound).

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 GLANCE**

Name of the Entrepreneur : xxxxxxxxxx

Constitution (legal Status) : xxxxxxxxxx

Father / Spouse Name : xxxxxxxxxxxxxx

Unit Address : xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Pin: xxxxxxxx State: xxxxxxxxxx

Mobile : xxxxxxxx

NATURE OF ACTIVITY : Manufacturing Unit of Cement Products(Pole & Wall Compound)

PRODUCTS : 

Product	Capacity
Cement Pole	2000 feet per day
Wall Compound	1000 square feet per day

FINANCIAL ASSISTANCE REQUIRED : Term Loan 14.58 Lacs  
Working Capital Loan 7.00 Lacs

PRIMARY SECURITY : Hypothecation of Plant & Machinery

**COST OF PROJECT**

PARTICULARS	TOTAL COST
Civil Work(Land & Building)	2.70
Plant & Machinery	13.50
Working Capital required	7.78
<b>TOTAL PROJECT COST</b>	<b>23.98</b>

**MEANS OF FINANCE**

PARTICULARS	TOTAL COST
Own Contribution(10% of Project Cost)	2.40
Term Loan	14.58
Working capital From Bank	7.00
<b>Total</b>	<b>23.98</b>

# CEMENT POLES & WALL COMPOUND



## **ABOUT THE PRODUCT**

### **CEMENT POLE**

One of the most durable and efficient post-and-wire fences is constructed with the help of concrete fence posts. Properly made reinforced or prestressed concrete fence posts have a long life, require very little or no maintenance and give a neat appearance to the fence. Each pole shall be made of concrete proportioned, mixed, placed and compacted to give a dense concrete free from voids.

### **Raw Materials and Manufacturing Process**

The raw materials mainly are P.C. Wire, cement, G.I. wire, Rodi & Bazari.

The concrete prepared by mixing given ratio of cement, Bajari, Rodi & water in a concrete mixture machine, is such that it meets requirement of concrete mix necessary. & no extra water is added in the mix nor the concrete mixture is made in lager quantity, so as to ensure to use the same in given time by filling same in molds having PC tensioned wires. While filling the concrete in molds, they are given sufficient vibrations by shutter vibrators to ensure no gaps/wholes are left in casted poles.

Poles so casted are left in open for natural curing for 42/72 hours depending on day's temperature. Poles are detensionized after obtaining proper strength & removed from molds, one by one by chain pulley blocks mounted on gentry crane. Poles are stacked with wooden Batta's placed between each stack, to ensure proper water curing poles are put in water tanks & submerged in it for 10-15 days & thereafter stacked in open.

## **WALL COMPOUND**

The compound wall is a simple contemporary design, which breaks at two points, on either side of the site, to form horizontal openings that give a glimpse of the serene landscape within. A compound wall serves to demarcate the site, protect one's property, ensure privacy and enhance aesthetic appeal.

Brick walls, which have been traditional to India, are time consuming to erect and costly to keep standing. Precast Concrete Boundary Walls overcome these handicaps of traditional brick walls. Precast concrete boundary walls are fast and easy to construct and have a virtually unlimited life. These walls are low maintenance and do not deteriorate with time.

Precast Concrete Boundary walls are made from posts erected directly into the ground which have grooves to accommodate textured panels. The commonly manufactured boundary wall systems are of size measuring 6 feet and 8 feet height. Precast Concrete Boundary Wall system is ideal for residential, commercial, and industrial developments.

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

**Depreciation:** 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.
- NOC from State Pollution Control Board

**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 concurrently)	5-6 Months

## CEMENT POLLS & WALL COMPOUND

### CEMENT POLLS

#### COMPUTATION OF PRODUCTION

Production Per Day	2000 Feet	<i>(8 Hours Single Shift)</i>
Production per Month	50000 Feet	<i>(25 Working Days a month)</i>
No. of Working Month	12 Month	
Total Production per year	600000 feet	

#### COMPUTATION OF SALE

PARTICULARS	Year-1	Year-2	Year-3	Year-4	Year-5
<b>Operating Capacity</b>	<b>40%</b>	<b>45%</b>	<b>50%</b>	<b>55%</b>	<b>60%</b>
Op Stock	-	20,000	22,500	25,000	27,500
Production	240000	2,70,000	3,00,000	3,30,000	3,60,000
Less: Closing Stock	2,40,000	2,90,000	3,22,500	3,55,000	3,87,500
	20,000	22,500	25,000	27,500	30,000
<b>Net Sale</b>	<b>2,20,000</b>	<b>2,67,500</b>	<b>2,97,500</b>	<b>3,27,500</b>	<b>3,57,500</b>
Sale Price (Average)	30.00	32.00	34.00	36.00	38.00
<b>Sale (in Lacs)</b>	<b>66.00</b>	<b>86.00</b>	<b>101.00</b>	<b>118.00</b>	<b>136.00</b>

### WALL COMPOUND

#### COMPUTATION OF PRODUCTION

Production Per Day	1000 Square feet	<i>(8 Hours Single Shift)</i>
Production per Month	25000 Square feet	<i>(25 Working Days a month)</i>
No. of Working Month	12 Month	
Total Production per year	300000 Square feet	

#### COMPUTATION OF SALE

PARTICULARS	Year-1	Year-2	Year-3	Year-4	Year-5
<b>Operating Capacity</b>	<b>40%</b>	<b>45%</b>	<b>50%</b>	<b>55%</b>	<b>60%</b>
Op Stock	-	10,000	11,250	12,500	13,750
Production	120000	1,35,000	1,50,000	1,65,000	1,80,000
Less: Closing Stock	1,20,000	1,45,000	1,61,250	1,77,500	1,93,750
	10,000	11,250	12,500	13,750	15,000
<b>Net Sale</b>	<b>1,10,000</b>	<b>1,33,750</b>	<b>1,48,750</b>	<b>1,63,750</b>	<b>1,78,750</b>
Sale Price (Average)	30.00	32.00	34.00	36.00	38.00
<b>Sale (in Lacs)</b>	<b>33.00</b>	<b>43.00</b>	<b>51.00</b>	<b>59.00</b>	<b>68.00</b>

**STATEMENT OF COST OF PRODUCTION AND PROFITABILITY**

<i>Particulars</i>	<i>Year-1</i>	<i>Year-2</i>	<i>Year-3</i>	<i>Year-4</i>	<i>Year-5</i>
Gross Sale	99.00	129.00	152.00	177.00	204.00
<b>NET SALES</b>	<b>99.00</b>	<b>129.00</b>	<b>152.00</b>	<b>177.00</b>	<b>204.00</b>
<b><u>COST OF PRODUCTION</u></b>					
Raw Material & Consumable	79.20	95.46	112.48	130.98	150.96
Power Expense	3.00	3.30	3.63	3.99	4.39
Repair & Maintenance	1.19	1.55	1.82	2.12	2.45
Wages & Salary	2.88	3.24	3.60	3.96	4.32
Factory Expenses	3.96	5.16	6.08	7.08	8.16
<b><u>COST OF PRODUCTION</u></b>	<b>90.23</b>	<b>108.71</b>	<b>127.61</b>	<b>148.14</b>	<b>170.28</b>
Add :Op. Fin. Goods	-	7.52	9.06	10.63	12.34
Less : Cl. Fin. Goods	7.52	9.06	10.63	12.34	14.19
<b>TOTAL (B)</b>	<b>82.71</b>	<b>107.17</b>	<b>126.04</b>	<b>146.43</b>	<b>168.44</b>
<b>GROSS PROFIT (A-B)</b>	<b>16.29</b>	<b>21.83</b>	<b>25.96</b>	<b>30.57</b>	<b>35.56</b>
G.P Ratio	<b>16.46%</b>	<b>16.92%</b>	<b>17.08%</b>	<b>17.27%</b>	<b>17.43%</b>
Salary to Staff	1.20	1.35	1.50	1.65	1.80
Selling & Administrative Expenses	5.94	7.74	9.12	12.39	15.30
Interest on Term Loan	0.78	1.29	0.94	0.58	0.22
Interest on Working Capital Loan	0.77	0.77	0.77	0.77	0.77
Depreciation	2.35	2.01	1.72	1.48	1.26
<b>TOTAL (D)</b>	<b>11.04</b>	<b>13.17</b>	<b>14.05</b>	<b>16.87</b>	<b>19.36</b>
<b>NET PROFIT (C-D)</b>	<b>5.25</b>	<b>8.67</b>	<b>11.91</b>	<b>13.71</b>	<b>16.21</b>
<b>ADD : DEPRECIATION</b>	<b>2.35</b>	<b>2.01</b>	<b>1.72</b>	<b>1.48</b>	<b>1.26</b>
<b>CASH ACCRUALS</b>	<b>7.60</b>	<b>10.68</b>	<b>13.64</b>	<b>15.18</b>	<b>17.47</b>

**PROJECTED FUND FLOW STATEMENT**

<i>Particulars</i>	<i>Year-1</i>	<i>Year-2</i>	<i>Year-3</i>	<i>Year-4</i>	<i>Year-5</i>
<b>A. <u>SOURCES OF FUND</u></b>					
Capital	2.40	-	-	-	-
Term Loan from Bank	14.58	-	-	-	-
Working Capital Loan	7.00	-	-	-	-
Net Profit	5.25	8.67	11.91	13.71	16.21
	-	-	-	-	-
Depreciation & Exp. W/off	2.35	2.01	1.72	1.48	1.26
Increase in Sundry Creditors	11.88	2.44	2.55	2.78	3.00
Increase Other Current liabilities & Provisions	2.00	0.20	0.22	0.24	0.27
<b>TOTAL (A)</b>	<b>45.46</b>	<b>13.32</b>	<b>16.41</b>	<b>18.20</b>	<b>20.74</b>
<b>B. <u>APPLICATION OF FUND</u></b>					
Capital Expenditure	16.60	-	-	-	-
Repayment of Term Loan	1.62	3.24	3.24	3.24	3.24
	-	-	-	-	-
Increase in Finished Goods	14.12	2.90	2.99	3.25	3.51
Increase in Sundry Debtors	11.88	3.60	2.76	3.00	3.24
Drawings	1.00	3.00	6.00	8.00	10.00
<b>TOTAL (B)</b>	<b>45.22</b>	<b>12.74</b>	<b>14.99</b>	<b>17.49</b>	<b>19.99</b>
Opening Balance	-	0.24	0.83	2.24	2.95
Add/Less Surplus	0.24	0.58	1.41	0.71	0.74
Closing Balance	0.24	0.83	2.24	2.95	3.69



**PROJECTED BALANCE SHEET STATEMENT**

<b>Particulars</b>	<b>Year-1</b>	<b>Year-2</b>	<b>Year-3</b>	<b>Year-4</b>	<b>Year-5</b>
<b><u>SOURCES OF FUND</u></b>					
Opening Capital	-	6.65	12.31	18.23	23.93
Addition in Capital	2.40	-	-	-	-
Add:- Profits	5.25	8.67	11.91	13.71	16.21
Less:- Drawings	1.00	3.00	6.00	8.00	10.00
<b>Closing Capital</b>	<b>6.65</b>	<b>12.31</b>	<b>18.23</b>	<b>23.93</b>	<b>30.14</b>
Term Loan From Bank	12.96	9.72	6.48	3.24	(0.00)
Working Capital Loan	7.00	7.00	7.00	7.00	7.00
Sundry Creditors	11.88	14.32	16.87	19.65	22.64
Other Current liabilities & Provisions	2.00	2.20	2.42	2.66	2.93
<b>TOTAL :</b>	<b>40.49</b>	<b>45.56</b>	<b>51.00</b>	<b>56.49</b>	<b>62.72</b>
<b><u>APPLICATION OF FUND</u></b>					
Fixed Assets					
Gross Block	16.60	16.60	16.60	16.60	16.60
Depreciation	2.35	4.36	6.09	7.56	8.83
Net Block	<b>14.25</b>	<b>12.24</b>	<b>10.51</b>	<b>9.04</b>	<b>7.77</b>
<b>Current Assets</b>					
Sundry Debtors	11.88	15.48	18.24	21.24	24.48
Inventory	14.12	17.01	20.01	23.26	26.77
Cash and Bank	0.24	0.83	2.24	2.95	3.69
<b>TOTAL :</b>	<b>40.49</b>	<b>45.56</b>	<b>51.00</b>	<b>56.48</b>	<b>62.72</b>

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**COMPUTATION OF WORKING CAPITAL**

S.No.	Particulars	Total		Own		Bank
		Amount		Margin		Finance
1	Stock	14.12				
	Less:- Creditors	11.88				
	<b>Paid Stock</b>	<b>2.24</b>	<b>10%</b>	<b>0.22</b>	<b>90%</b>	<b>2.02</b>
2	Sundry Debtors	11.88	10%	1.19	90%	10.69
		<b>14.12</b>		<b>1.41</b>		<b>12.71</b>
4	AVERAGE WORKING CAPITAL			<b>7.00</b>	<b>Lacs</b>	

**VALUATION OF CLOSING STOCK**

PARTICULARS	Year-1	Year-2	Year-3	Year-4	Year-5
Finished Goods	7.52	9.06	10.63	12.34	14.19
Raw Material	6.60	7.96	9.37	10.92	12.58
<b>TOTAL</b>	<b>14.12</b>	<b>17.01</b>	<b>20.01</b>	<b>23.26</b>	<b>26.77</b>

**BREAK UP OF SALARY (ADMINISTRATIVE STAFF)**

Particulars	Salary Per Month	No of Employees	Total Salary
Accounts & Clerical Staff	15,000.00	1	15,000.00
Marketing Staff	10,000.00	1	10,000.00
Total Salary Per Month			25,000.00
			25,000.00
Annual Salary (Rs in Lacs)	Capacity%		3.00
Year-1	40%		1.20
Year-2	45%		1.35
Year-3	50%		1.50
Year-4	55%		1.65
Year-5	60%		1.80

**BREAK UP OF LABOUR & WAGES (WORKERS)**

Particulars	Wages Per Month	No of Labours	Total Salary
Skilled Worker	8,000.00	5	40,000.00
Unskilled Worker	5,000.00	4	20,000.00
Total Wages Per Month			60,000.00
Annual Salary (Rs in Lacs)	Capacity%		7.20
Year-1	40%		2.88
Year-2	45%		3.24
Year-3	50%		3.60
Year-4	55%		3.96
Year-5	60%		4.32

**SCHEDULE OF DEPRECIATION**

<b>Particulars</b>	<b>Building 10%</b>	<b>Plant 15.00%</b>	<b>Total</b>
Addition	2.70	13.50	16.20
Intt. Capitalised	0.07	0.33	0.40
Less : Depreciation	0.28	2.08	2.35
WDV at end of Year-1	2.49	11.76	14.25
Additions During The Year	-	-	-
Less : Depreciation	0.25	1.76	2.01
WDV at end of Year-2	2.24	10.00	12.24
Additions During The Year	-	-	-
Less : Depreciation	0.22	1.50	1.72
WDV at end of Year-3	2.02	8.50	10.51
Additions During The Year	-	-	-
Less : Depreciation	0.20	1.27	1.48
WDV at end of Year-4	1.82	7.22	9.04
Additions During The Year	-	-	-
Less : Depreciation	0.18	1.08	1.26
WDV at end of Year-5	1.63	6.14	7.77

**REPAYMENT SCHEDULE OF TERM LOAN**

Intt. Rate

11.00%

Year	Particulars	Amount	Addition	Total	Interest	Repayment	CI Balance
<b>1</b>	Opening Balance						
	Ist Quarter	-	-	-	-	-	-
	IInd Quarter	-	14.58	14.58	-	-	14.58
	IIIrd Quarter	14.58	-	14.58	0.40	0.81	13.77
	Ivth Quarter	13.77	-	13.77	0.38	0.81	12.96
					0.78	1.62	
<b>2</b>	Opening Balance						
	Ist Quarter	12.96	-	12.96	0.36	0.81	12.15
	IInd Quarter	12.15	-	12.15	0.33	0.81	11.34
	IIIrd Quarter	11.34	-	11.34	0.31	0.81	10.53
	Ivth Quarter	10.53	-	10.53	0.29	0.81	9.72
					1.29	3.24	
<b>3</b>	Opening Balance						
	Ist Quarter	9.72	-	9.72	0.27	0.81	8.91
	IInd Quarter	8.91	-	8.91	0.25	0.81	8.10
	IIIrd Quarter	8.10	-	8.10	0.22	0.81	7.29
	Ivth Quarter	7.29	-	7.29	0.20	0.81	6.48
					0.94	3.24	
<b>4</b>	Opening Balance						
	Ist Quarter	6.48	-	6.48	0.18	0.81	5.67
	IInd Quarter	5.67	-	5.67	0.16	0.81	4.86
	IIIrd Quarter	4.86	-	4.86	0.13	0.81	4.05
	Ivth Quarter	4.05	-	4.05	0.11	0.81	3.24
					0.58	3.24	
<b>5</b>	Opening Balance						
	Ist Quarter	3.24	-	3.24	0.09	0.81	2.43
	IInd Quarter	2.43	-	2.43	0.07	0.81	1.62
	IIIrd Quarter	1.62	-	1.62	0.04	0.81	0.81
	Ivth Quarter	0.81	-	0.81	0.02	0.81	(0.00)
					0.22	3.24	
	Moratorium Period		6 Months				
	Repayment Period		54 Months				

**CALCUATION OF D.S.C.R.**

<b>Particulars</b>	<b>Year-1</b>	<b>Year-2</b>	<b>Year-3</b>	<b>Year-4</b>	<b>Year-5</b>
CASH ACCRUALS	7.60	10.68	13.64	15.18	17.47
ADD : INTEREST ON TERM LOAN	0.78	1.29	0.94	0.58	0.22
<b>Total</b>	<b>8.38</b>	<b>11.97</b>	<b>14.57</b>	<b>15.76</b>	<b>17.69</b>
<b>LESS : REPAYMENT</b>					
INTEREST ON TERM LOAN	0.78	1.29	0.94	0.58	0.22
INSTALMENT OF TERM LOAN	1.62	3.24	3.24	3.24	3.24
	<b>2.40</b>	<b>4.53</b>	<b>4.18</b>	<b>3.82</b>	<b>3.46</b>
D.S.C.R.	<b>3.49</b>	<b>2.64</b>	<b>3.49</b>	<b>4.13</b>	<b>5.11</b>
AVERAGE D.S.C.R.			<b>3.72</b>		

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