PROJECT REPORT

Of

DETERGENT CAKE

PURPOSE OF THE DOCUMENT

This particular pre-feasibility is regarding **Detergent Cake Unit**.

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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DETERGENT CAKE



<u>INTRODUCTION</u>

Detergent cake is generally an all-purpose cleaning detergent that comes in the form of a cake. Easy and convenient to use, detergent cakes are generally meant for hand washing of all washable clothes and utensils. Detergent cakes are one of the most popular and widely used detergent for laundry purpose.

Generally, a detergent cake acts as a performance booster for detergent powder and can be used along with it to improve the cleaning performance.

Detergent cakes are generally formulated using one or more surfactants to improve their cleaning performance and make them good even for use in hard water conditions.

Detergent cakes are cleaning products that have become an essential commodity in our daily lives. Cleaning products play an essential role in our daily lives. By safely and effectively removing soils, germs and other contaminants, they help us to stay healthy, care for our homes and possessions, and make our surroundings more lively and pleasant.

Qualities of good detergent cake

- 1. It must be solid, strong and durable
- 2. It must have attractive scent or perfume.
- 3. It must NOT itch your hand or body (No scratching of any kind)

Formulation

Detergent cakes are formulated using batch or continuous process of soap making. These cleansing products contain different ingredients that are used to improve their cleaning performance. The surfactant plays an important role in improving the cleansing action of detergent by reducing the surface tension of wash liquid thereby improving the wettability of washable fabric.

Ingredients

Some of the important ingredients of detergent cakes include surfactants, detergent builders, boosters, brightening agents, synthetic fragrances, colours &more.

Types of Detergent Cake

Normally two types of detergent cakes are used in household for day to day routine activities.

- 1. Laundry cleaning Detergent cake
- 2. Dish wash cleaner Detergent cake

Laundry cleaning Detergent cake:

Laundry cleaning detergent cakesare formulated to meet a variety of stain and soil removal, bleaching, fabric softening and conditioning and disinfectant requirements under varying water, temperature, and usage conditions. These products are either general purpose or light duty cleaning agents suitable for washing all types of fabrics and clothes.

Dishwashing detergent cake:

These detergent cakes provide the chemical energy to help clean and remove food soil from different types of cooking and serving items. Modern day, dishwashing detergents rinse and dry dishes and utensils without spots, and have found to be safe for a variety of dishes, glassware, utensils, and more.

Description of Detergent Cake Machine

Machinery for detergent cake includes the following:

- Sigma mixture (for mixing of Chemicals)
- Plodder
- Cutter
- DIE
- Manual packaging & Stamp

Detergent cake Machines are used to produce detergent cake from the raw material. With the help of this machine the work of mixing, cutting & die completes in a very short span. A control button for handling the device is attached in the machine, so that one can control its speed while operating the machine.

Detergent cake Current Market Analysis

According to India Detergent Market Outlook, 2021, the overall market for detergent is growing with a CAGR of 13.06% from the last five years.

Detergents are available in three forms, namely powder detergent, detergent cake and liquid detergent.

The detergent industry in India is mostly captured by organized players, but unorganized regional players have a significant hold on the rural areas. Ghadi, Nirma and Jyothy Laboratories are the major players in the organized market. They have popular brands like Surf Excel, Active Wheel, Rin, Tide, Ariel and Mr. White in their product portfolio.

On the basis of pricing, the organized detergent cake market can be further divided into three categories, such as popular (economy), midrange and premium. Domestic market of detergent cake is also increasing rapidly.

Detergent cake Manufacturing Process

- Take the raw material like dolomite, soda ash, sodium silicate etc. & put it into the mixer step by step. The procurement of raw material depends on the quality parameters set by the producer.
- After that raw material to be mixed. The ratio of raw material poured in it depends on quality of the dish bar or cake produced by the manufacturer.
- After that start the machine & wait for 40-45 minutes & add slurry into it. For 100 KG capacity approx. 5-6 litre water is required. The quantity of water depends upon the moisture level.
- Now add the foam booster in it, then add colour after that close the valve for 20 minutes after that add sodium silicate & leave it for 5 minutes.
- After that add 2 litres polymer & 0.5 litre liquid fragrance.
- Next step is to take the dough from the mixer & put it slowly into the extruder. The extrusion process is the base & important part for detergent cake production.
- Fix and adjust the die outside the extruder accordingly.
- Now cut the extruded material with the help of cutter according to the specified shape.
- Put stamp on it.
- Packaging of product.

Machinery & Equipment's required:

| Name | Description | Cost | |
|---------------------------|------------------------|--------|--|
| Sigma Mixer/ Paddle Mixer | 100KG/batch Production | 260000 | |
| Plodder | 4 INCHI | 160000 | |
| Manual Cutting Platform | | 12000 | |
| DIE | | 5000 | |
| Stamp & Manual Packaging | | 75000 | |
| TOTAL | | 512000 | |

Sigma/paddle mixer is also available in the market for 300 & 500 KG batch production and price of machine varies accordingly.

Land &Building required:

Land required 1000 Square Feet (approx.)

Approximate rent for the same is 20000 per Month

Labour Requirement:

3 Manpower are required for the detergent cake unit.

Includes:

1 skilled Labour

1-2Unskilled Labour

Break Even Point:

Break-even point of the machine =4,73,166 Detergent cake

Company should operate at minimum 20% of Production capacity to cover its costs (variable + Fixed)

Raw Material Requirement of Detergent cake

China Clay: It is used for binding purpose. Before Buying Check the Aluminium content & loss of ignition

Calcite: It is used for strengthening (to measure its quality 90% calcium should be there). It should be Whiter than China clay.

Dolomite or Marble powder: It work as a filler & helps in breaking the cake. To measure its quality 30% calcium should be there.

Soda Ash: It works as a Builder& for creation of foam. It also increases the cleaning property.

Slurry (Linear Alkine Benzene Sulphonic Acid LABSA): It is used for the reaction with soda ash.

Alpha Olefin Sulfonate: It Helps as a foam Booster. Its cost in the market is 70-75 Rs. Per KG

Sodium Silicate:It helps in Binding & making material smooth.

Polymers:It is used for Binding so that the material should not stick to the dish.

Fragrance: it is used to provide good fragrance to the product (like: lemon for dishwash bar)

On an average raw material cost per KG: Rs. 20-25

Detergent cake license & registration

For Proprietor:

- Obtain the GST registration.
- Fire/ Pollution Registration as required.
- Choice of a Brand Name of the product and secure the name with Trademark if required.

For Company:

- Obtain the GST registration.
- Obtain Udyog Aadhar.
- Fire/ Pollution Registration as required.
- Choice of a Brand Name of the product and secure the name with Trademark if required.

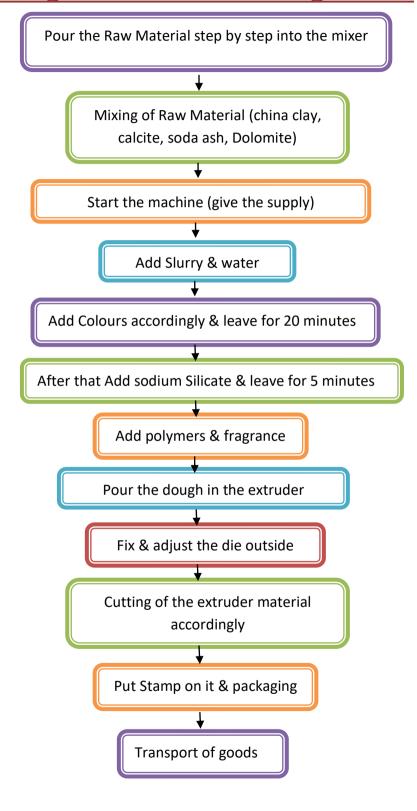
Implementation Schedule

| S.N. | Activity | Time Required (in Months) |
|------|--|---------------------------|
| 1 | Acquisition Of premises | 1 |
| 2 | Construction (if Applicable) | 1- 2 Months |
| 3 | Procurement & installation of Plant & Machinery | 1 |
| 4 | Arrangement of Finance | 1 |
| 5 | Requirement of required Manpower | 1 |
| | Total time Required (some activities shall run concurrently) | 3-4 Months |

Conclusion: After completion of manufacturing process, product is ready to sell in the market. Detergent cakes are used for daily routine activities. This machine can be installed with low investment & one can earn a good Margin of profit by doing this business.

Technical Process Flow Chart

Detergent cake Manufacturing Process



Project Economics

COMPUTATION OF PRODUCTION OF DETERGENT CAKE

Items to be Manufactured

Detergent cake weight 100gm

| Manufacturing Capacity | 100 | KG Per hour |
|---------------------------------------|-----------|-------------|
| Output per day | 800 | KG |
| output per annum | 240,000 | KG |
| total raw material required per annum | 240,000 | KG |
| weight per detergent cake | 100 | Gram |
| detergent cake per kg | 10 | |
| total detergent cake per annum | 2,400,000 | Cakes |

| Production Quan | tity | |
|-----------------|-------------|------------------|
| Year | Capacity | Qty |
| | Utilization | (detergent cake) |
| 1st year | 30% | 720,000 |
| 2nd year | 35% | 840,000 |
| 3rd year | 40% | 960,000 |
| 4th year | 45% | 1,080,000 |
| 5th year | 50% | 1,200,000 |
| 6th year | 55% | 1,320,000 |

| CALULATION OF CONSUMPTION OF RAW MATERIAL | | | | | |
|--|------|---------|--|--|--|
| Item Name At Capacity Quantity of Raw Material | | | | | |
| Raw Material | 100% | 240,000 | | | |

| Raw Material consumption | Capacity utilization | Rate per KG | Amount (in Lacs.) |
|--------------------------|-------------------------|-------------|----------------------|
| 1st year | 30% | 20.00 | 14.40 |
| 2nd year | 35% | 21.00 | 17.64 |
| 3rd year | 40% | 22.05 | 21.17 |
| 4th year | 45% | 23.15 | 25.00 |
| 5th year | 50% | 24.31 | 29.17 |
| 6th year | 55% | 25.53 | 33.69 |

| COMPUTATION OF SALE | | | | | | |
|-------------------------------|-------------|----------|----------|-----------|-----------|-----------|
| Particulars | 1st year | 2nd year | 3rd year | 4th year | 5th year | 6th year |
| Detergent cake per annum | 720,000 | 840,000 | 960,000 | 1,080,000 | 1,200,000 | 1,320,000 |
| Op Stock | - | 60,000 | 70,000 | 80,000 | 90,000 | 100,000 |
| Production | 720,000 | 840,000 | 960,000 | 1,080,000 | 1,200,000 | 1,320,000 |
| Less : Closing Stock | 60,000 | 70,000 | 80,000 | 90,000 | 100,000 | 110,000 |
| Net Sale | 660,000 | 830,000 | 950,000 | 1,070,000 | 1,190,000 | 1,310,000 |
| Sale Price Per detergent cake | 5.00 | 5.25 | 5.51 | 5.79 | 6.08 | 6.38 |
| Sale (in Lacs) | 33.00 | 43.58 | 52.37 | 61.93 | 72.32 | 83.60 |

Cost of Project

PROJECT AT GLANCE

Term Loan of Rs. 4.8 Lacs and Working Capital limit of Rs. 4.0 Lacs

| COST | OF | PRO | JECT |
|--------------|--------|------------|-------------|
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| PARTICULARS | AMOUNT | AMOUNT | AMOUNT |
|----------------------------|--------|--------|--------|
| Land | | | |
| Building Civil Work | | | |
| Plant & Machinery | 5.91 | 1.48 | 4.43 |
| Furniture & Fixtures | 0.50 | 0.13 | 0.38 |
| Margin for Working Capital | 1.36 | 1.36 | - |
| Total | 7.77 | 2.96 | 4.80 |

MEANS OF FINANCE

| PARTICULARS | AMOUNT |
|-----------------------|--------|
| Own Contribution | 2.96 |
| Bank Loan | 4.80 |
| Working Capital Limit | 4.00 |
| Total | 11.77 |

| PARTICULARS | 1st year | 2nd year | 3rd year | 4th year | 5th year | 6th year |
|-----------------------------|----------|----------|----------|----------|----------|----------|
| Capacity Utilization % | 30% | 35% | 40% | 45% | 50% | 55% |
| SALES | | | | | | |
| Gross Sale | 33.00 | 43.58 | 52.37 | 61.93 | 72.32 | 83.60 |
| Total | 33.00 | 43.58 | 52.37 | 61.93 | 72.32 | 83.60 |
| COST OF SALES | | | | | | |
| Raw Material Consumed | 14.40 | 17.64 | 21.17 | 25.00 | 29.17 | 33.69 |
| Electricity Expenses | 3.70 | 4.25 | 5.10 | 6.12 | 7.34 | 8.81 |
| Repair & Maintenance | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 |
| Labour & Wages | 5.04 | 6.30 | 7.88 | 9.84 | 11.32 | 13.02 |
| Depreciation | 0.94 | 0.80 | 0.68 | 0.58 | 0.50 | 0.42 |
| Consumables & others | 1.65 | 2.18 | 2.62 | 3.10 | 3.62 | 4.18 |
| Cost of Production | 25.75 | 31.21 | 37.49 | 44.71 | 52.02 | 60.21 |
| Add: Opening Stock /WIP | - | 2.15 | 2.60 | 3.12 | 3.73 | 4.34 |
| Less: Closing Stock /WIP | 2.15 | 2.60 | 3.12 | 3.73 | 4.34 | 5.02 |
| Cost of Sales | 23.61 | 30.76 | 36.97 | 44.11 | 51.41 | 59.53 |
| GROSS PROFIT | 9.39 | 12.82 | 15.40 | 17.83 | 20.91 | 24.07 |
| Gross Profit % | 28% | 29% | 29% | 29% | 29% | 29% |
| Salary to Staff | 1.74 | 2.00 | 2.50 | 3.00 | 3.75 | 4.50 |
| Interest on Term Loan | 0.47 | 0.42 | 0.30 | 0.18 | 0.06 | _ |
| Interest on working Capital | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |
| rent | 2.40 | 2.64 | 2.90 | 3.19 | 3.51 | 3.87 |
| Selling & Adm Expenses Exp. | 2.64 | 4.36 | 5.24 | 6.19 | 7.23 | 8.36 |
| TOTAL | 7.69 | 9.86 | 11.38 | 13.01 | 15.00 | 17.17 |
| NET PROFIT | 1.70 | 2.96 | 4.01 | 4.81 | 5.91 | 6.90 |
| Taxation (Average) | 0.42 | 0.74 | 1.00 | 1.20 | 1.48 | 1.73 |
| PROFIT (After Tax) | 1.27 | 2.22 | 3.01 | 3.61 | 4.43 | 5.18 |

| PARTICULARS | 1st year | 2nd year | 3rd year | 4th year | 5th year | 6th year |
|-----------------------------|----------|----------|----------|----------|----------|----------|
| <u>Liabilities</u> | | | | | | |
| Capital | | | | | | |
| Opening Balance | - | 3.24 | 3.96 | 5.37 | 7.28 | 9.71 |
| Add:- Addition | 2.96 | - | - | - | - | - |
| Add:-Profit During the Year | 1.27 | 2.22 | 3.01 | 3.61 | 4.43 | 5.18 |
| Less:- Drawings | 1.00 | 1.50 | 1.60 | 1.70 | 2.00 | 2.50 |
| Closing Balance | 3.24 | 3.96 | 5.37 | 7.28 | 9.71 | 12.39 |
| Term Loan | 4.28 | 3.22 | 2.16 | 1.08 | 0.00 | - |
| Working Capital | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| Sundry Creditors | 1.20 | 1.47 | 1.76 | 2.08 | 2.43 | 2.81 |
| Provisions & Other Liab | 0.50 | 0.75 | 1.10 | 1.21 | 1.33 | 1.46 |
| TOTAL: | 13.21 | 13.40 | 14.40 | 15.66 | 17.48 | 20.67 |
| | | | | | | |
| Assets | | | | | | |
| Fixed Assets (Gross) | 6.41 | 6.41 | 6.41 | 6.41 | 6.41 | 6.41 |
| Gross Dep. | 0.94 | 1.73 | 2.41 | 3.00 | 3.49 | 3.91 |
| Net Fixed Assets | 5.47 | 4.67 | 3.99 | 3.41 | 2.92 | 2.49 |
| Current Assets | | | | | | |
| Sundry Debtors | 3.30 | 4.36 | 5.24 | 6.19 | 7.23 | 8.36 |
| Stock in Hand | 3.35 | 4.07 | 4.89 | 5.81 | 6.77 | 7.83 |
| Cash and Bank | 1.10 | 0.30 | 0.28 | 0.24 | 0.56 | 1.98 |
| TOTAL: | 13.21 | 13.40 | 14.40 | 15.66 | 17.48 | 20.66 |

| PROJECTED CASH FLOW STATI | <u>EMENT</u> | | | | | |
|----------------------------------|--------------|-------------|-------------|-------------|-------------|-------------|
| PARTICULARS | 1st year | 2nd year | 3rd year | 4th year | 5th year | 6th year |
| SOURCES OF FUND | | | | | | |
| Own Margin | 2.96 | | | | | |
| Net Profit | 1.70 | 2.96 | 4.01 | 4.81 | 5.91 | 6.90 |
| Depriciation & Exp. W/off | 0.94 | 0.80 | 0.68 | 0.58 | 0.50 | 0.42 |
| Increase in Cash Credit | 4.00 | - | - | - | - | - |
| Increase In Term Loan | 4.80 | - | - | - | - | - |
| Increase in Creditors | 1.20 | 0.27 | 0.29 | 0.32 | 0.35 | 0.38 |
| Increase in Provisions & Oth lib | 0.50 | 0.25 | 0.35 | 0.11 | 0.12 | 0.13 |
| TOTAL: | 16.10 | 4.28 | 5.34 | 5.82 | 6.87 | 7.83 |
| | | | | | | |
| APPLICATION OF FUND | | | | | | |
| Increase in Fixed Assets | 6.41 | - | - | - | - | - |
| Increase in Stock | 3.35 | 0.72 | 0.82 | 0.92 | 0.96 | 1.06 |
| Increase in Debtors | 3.30 | 1.06 | 0.88 | 0.96 | 1.04 | 1.13 |
| Repayment of Term Loan | 0.53 | 1.06 | 1.06 | 1.08 | 1.08 | - |
| Drawings | 1.00 | 1.50 | 1.60 | 1.70 | 2.00 | 2.50 |
| Taxation | 0.42 | 0.74 | 1.00 | 1.20 | 1.48 | 1.73 |
| TOTAL: | 15.01 | 5.08 | 5.36 | 5.86 | 6.55 | 6.41 |
| | | | | | | |
| Opening Cash & Bank Balance | - | 1.10 | 0.30 | 0.28 | 0.24 | 0.56 |
| Add : Surplus | 1.10 | (0.80) | (0.02) | (0.04) | 0.32 | 1.42 |
| Closing Cash & Bank Balance | 1.10 | 0.30 | 0.28 | 0.24 | 0.56 | 1.98 |

| COMPUTATION OF CLOSING STOCK & WORKING CAPITAL | | | | | | | |
|--|----------|----------|----------|----------|----------|----------|--|
| PARTICULARS | 1st year | 2nd year | 3rd year | 4th year | 5th year | 6th year | |
| Finished Goods | | | | | | | |
| (1 month requirement) | 2.15 | 2.60 | 3.12 | 3.73 | 4.34 | 5.02 | |
| Raw Material | | | | | | | |
| (1 month requirement) | 1.20 | 1.47 | 1.76 | 2.08 | 2.43 | 2.81 | |
| Closing Stock | 3.35 | 4.07 | 4.89 | 5.81 | 6.77 | 7.83 | |

| TRADITIONAL METHOD | | | | | | |
|-------------------------------|-------|--------|-----|--------|------------|---------|
| Particulars | | Amount | Own | Margin | Bank l | Finance |
| Finished Goods & Raw Material | Stock | 3.35 | | | | |
| Less : Creditors | | 1.20 | | | | |
| Paid stock | | 2.15 | 25% | 0.54 | 75% | 1.61 |
| Sundry Debtors | | 3.30 | 25% | 0.83 | 75% | 2.48 |
| | | 5.45 | | 1.36 | | 4.08 |
| | | | | | | |

| 2nd Method | | |
|---------------------------|----------|----------|
| PARTICULARS | 1st year | 2nd year |
| Total Current Assets | 7.74 | 8.73 |
| Other Current Liabilities | 1.70 | 2.22 |
| Working Capital Gap | 6.04 | 6.51 |
| Min Working Capital | | |
| 25% of WCG | 1.51 | 1.63 |
| Actual NWC | 2.04 | 2.51 |
| item III – IV | 4.53 | 4.88 |
| item III – V | 4.00 | 4.00 |
| MPBF (Lower of VI & VII) | 4.00 | 4.00 |

| 3rd Method | | |
|---------------------------|----------|----------|
| PARTICULARS | 1st year | 2nd year |
| Total Current Assets | 7.74 | 8.73 |
| Other Current Liabilities | 1.70 | 2.22 |
| Working Capital Gap | 6.04 | 6.51 |
| Min Working Capital | | |
| 25% of Current Assets | 1.94 | 2.18 |
| Actual NWC | 2.04 | 2.51 |
| item III – IV | 4.11 | 4.33 |
| item III – V | 4.00 | 4.00 |
| MPBF (Lower of VI & VII) | 4.00 | 4.00 |

| BREAK UP OF LABOUR CHARGES | | | |
|-----------------------------|-----------------------|--------------------|-----------------|
| Particulars | Wages Per Month | No of Employees | Total Salary |
| skilled | 18,000.00 | 1 | 18,000.00 |
| unskilled | 12,000.00 | 2 | 24,000.00 |
| Total Salary Per Month | | | 42,000.00 |
| Total Annual Labour Charges | (in Lacs) | | 5.04 |

| BREAK UP OF SALARY | | | |
|------------------------|-----------|-----------|-----------|
| Particulars | Salary | No of | Total |
| | Per Month | Employees | Salary |
| | | | |
| Accountant | 7,500.00 | 1 | 7,500.00 |
| Other helper | 7,000.00 | 1 | 7,000.00 |
| Total Salary Per Month | | | 14,500.00 |
| | | | |
| Total Annual Salary | (in Lacs) | | 1.74 |

| Description | Plant & Machinery | Furniture | TOTAL |
|---------------------------|-------------------|-----------|-------|
| Rate of Depreciation | 15.00% | 10.00% | |
| Opening Balance | - | - | - |
| Addition | 5.91 | 0.50 | 6.41 |
| Total | 5.91 | 0.50 | 6.41 |
| Less: Depreciation | 0.89 | 0.05 | 0.94 |
| WDV at end of Year | 5.02 | 0.45 | 5.47 |
| Additions During the Year | - | - | - |
| Total | 5.02 | 0.45 | 5.47 |
| Less: Depreciation | 0.75 | 0.05 | 0.80 |
| WDV at end of Year | 4.27 | 0.41 | 4.67 |
| Additions During the Year | - | - | - |
| Total | 4.27 | 0.41 | 4.67 |
| Less: Depreciation | 0.64 | 0.04 | 0.68 |
| WDV at end of Year | 3.63 | 0.36 | 3.99 |
| Additions During the Year | - | - | - |
| Total | 3.63 | 0.36 | 3.99 |
| Less: Depreciation | 0.54 | 0.04 | 0.58 |
| WDV at end of Year | 3.08 | 0.33 | 3.41 |
| Additions During the Year | - | - | - |
| Total | 3.08 | 0.33 | 3.41 |
| Less: Depreciation | 0.46 | 0.03 | 0.50 |
| WDV at end of Year | 2.62 | 0.30 | 2.92 |
| Additions During the Year | - | - | - |
| Total | 2.62 | 0.30 | 2.92 |
| Less: Depreciation | 0.39 | 0.03 | 0.42 |
| WDV at end of Year | 2.23 | 0.27 | 2.49 |
| Less: Depreciation | 0.33 | 0.03 | 0.36 |
| WDV at end of Year | 1.89 | 0.24 | 2.13 |
| Less: Depreciation | 0.28 | 0.02 | 0.31 |
| WDV at end of Year | 1.61 | 0.22 | 1.82 |

| CALCULATION OF D.S.C.R | | | | | |
|-----------------------------|-------------|-------------|-------------|-------------|-------------|
| PARTICULARS | 1st year | 2nd year | 3rd year | 4th year | 5th year |
| | | | | | |
| CASH ACCRUALS | 2.21 | 3.02 | 3.69 | 4.19 | 4.93 |
| Interest on Term Loan | 0.47 | 0.42 | 0.30 | 0.18 | 0.06 |
| Total | 2.68 | 3.44 | 3.99 | 4.37 | 4.99 |
| | | | | | |
| REPAYMENT | | | | | |
| Installment of Term Loan | 0.53 | 1.06 | 1.06 | 1.08 | 1.08 |
| Interest on Term Loan | 0.47 | 0.42 | 0.30 | 0.18 | 0.06 |
| | | | | | |
| Total | 1.00 | 1.47 | 1.36 | 1.26 | 1.14 |
| | | | | | |
| DEBT SERVICE COVERAGE RATIO | 2.68 | 2.33 | 2.94 | 3.46 | 4.36 |
| AVERAGE D.S.C.R. | | | 3.12 | | |

| | KEPA | YMENT SC | DEPULE O | 'F IEKIV | LUAN | | 4 |
|------|-----------------|----------|----------|----------|----------|-----------|-------------------|
| | | | • | | | Interest | 11.00% Closing |
| Year | Particulars | Amount | Addition | Total | Interest | Repayment | Balance |
| 1st | Opening Balance | | | | | | |
| | - p9 | | | | | | |
| | 1st month | - | 4.80 | 4.80 | - | - | 4.80 |
| | 2nd month | 4.80 | - | 4.80 | 0.04 | - | 4.80 |
| | 3rd month | 4.80 | - | 4.80 | 0.04 | - | 4.80 |
| | 4th month | 4.80 | - | 4.80 | 0.04 | - | 4.80 |
| | 5th month | 4.80 | - | 4.80 | 0.04 | - | 4.80 |
| | 6th month | 4.80 | - | 4.80 | 0.04 | - | 4.80 |
| | 7th month | 4.80 | - | 4.80 | 0.04 | 0.09 | 4.72 |
| | 8th month | 4.72 | _ | 4.72 | 0.04 | 0.09 | 4.63 |
| | 9th month | 4.63 | _ | 4.63 | 0.04 | 0.09 | 4.54 |
| | 10th month | 4.54 | _ | 4.54 | 0.04 | 0.09 | 4.45 |
| | 11th month | 4.45 | _ | 4.45 | 0.04 | 0.09 | 4.36 |
| | 12th month | 4.36 | _ | 4.36 | 0.04 | 0.09 | 4.28 |
| | 12411101141 | | | 1.00 | 0.0 1 | 0.00 | 20 |
| | | | | | 0.47 | 0.53 | |
| 2nd | Opening Balance | | | | | | |
| | | | | | | | |
| | 1st month | 4.28 | - | 4.28 | 0.04 | 0.09 | 4.19 |
| | 2nd month | 4.19 | - | 4.19 | 0.04 | 0.09 | 4.10 |
| | 3rd month | 4.10 | - | 4.10 | 0.04 | 0.09 | 4.01 |
| | 4th month | 4.01 | - | 4.01 | 0.04 | 0.09 | 3.92 |
| | 5th month | 3.92 | - | 3.92 | 0.04 | 0.09 | 3.84 |
| | 6th month | 3.84 | - | 3.84 | 0.04 | 0.09 | 3.75 |
| | 7th month | 3.75 | - | 3.75 | 0.03 | 0.09 | 3.66 |
| | 8th month | 3.66 | - | 3.66 | 0.03 | 0.09 | 3.57 |
| | 9th month | 3.57 | - | 3.57 | 0.03 | 0.09 | 3.48 |
| | 10th month | 3.48 | - | 3.48 | 0.03 | 0.09 | 3.40 |
| | 11th month | 3.40 | - | 3.40 | 0.03 | 0.09 | 3.31 |
| | 12th month | 3.31 | - | 3.31 | 0.03 | 0.09 | 3.22 |
| | | | | | 0.42 | 1.06 | |
| 3rd | Opening Balance | | | | | | |
| | 1st month | 3.22 | - | 3.22 | 0.03 | 0.09 | 3.13 |
| | 2nd month | 3.13 | - | 3.13 | 0.03 | 0.09 | 3.04 |
| | 3rd month | 3.04 | - | 3.04 | 0.03 | 0.09 | 2.96 |
| | 4th month | 2.96 | _ | 2.96 | 0.03 | 0.09 | 2.87 |
| | 5th month | 2.87 | _ | 2.87 | 0.03 | 0.09 | 2.78 |
| | 6th month | 2.78 | _ | 2.78 | 0.03 | 0.09 | 2.69 |
| | 7th month | 2.69 | _ | 2.69 | 0.02 | 0.09 | 2.60 |
| | 8th month | 2.60 | _ | 2.60 | 0.02 | 0.09 | 2.52 |
| | 9th month | 2.52 | _ | 2.52 | 0.02 | 0.09 | 2.43 |
| | 10th month | 2.43 | _ | 2.43 | 0.02 | 0.09 | 2.43 |
| | 11th month | 2.43 | _ | 2.43 | 0.02 | 0.09 | 2.34 |
| | 12th month | 2.34 | _ | 2.34 | 0.02 | 0.09 | 2.23 |
| | 12UI IIIUIIUI | ۷.۷ | - | 2.20 | 0.02 | 1.06 | 2.10 |
| 4th | Opening Balance | | | | บ.อบ | 1.00 | |

| | | | | | 0.06 | 1.08 | |
|-----|-----------------|------|---|------|------|------|------|
| | 12th month | 0.09 | - | 0.09 | 0.00 | 0.09 | 0.00 |
| | 11th month | 0.18 | - | 0.18 | 0.00 | 0.09 | 0.09 |
| | 10th month | 0.27 | - | 0.27 | 0.00 | 0.09 | 0.18 |
| | 9th month | 0.36 | - | 0.36 | 0.00 | 0.09 | 0.27 |
| | 8th month | 0.45 | - | 0.45 | 0.00 | 0.09 | 0.36 |
| | 7th month | 0.54 | - | 0.54 | 0.00 | 0.09 | 0.45 |
| | 6th month | 0.63 | - | 0.63 | 0.01 | 0.09 | 0.54 |
| | 5th month | 0.72 | - | 0.72 | 0.01 | 0.09 | 0.63 |
| | 4th month | 0.81 | - | 0.81 | 0.01 | 0.09 | 0.72 |
| | 3rd month | 0.90 | - | 0.90 | 0.01 | 0.09 | 0.81 |
| | 2nd month | 0.99 | - | 0.99 | 0.01 | 0.09 | 0.90 |
| | 1st month | 1.08 | - | 1.08 | 0.01 | 0.09 | 0.99 |
| 5th | Opening Balance | | | | | | |
| | | | | | 0.18 | 1.08 | |
| | 12th month | 1.17 | - | 1.17 | 0.01 | 0.09 | 1.08 |
| | 11th month | 1.26 | - | 1.26 | 0.01 | 0.09 | 1.17 |
| | 10th month | 1.35 | - | 1.35 | 0.01 | 0.09 | 1.26 |
| | 9th month | 1.44 | - | 1.44 | 0.01 | 0.09 | 1.35 |
| | 8th month | 1.53 | - | 1.53 | 0.01 | 0.09 | 1.44 |
| | 7th month | 1.62 | - | 1.62 | 0.01 | 0.09 | 1.53 |
| | 6th month | 1.71 | - | 1.71 | 0.02 | 0.09 | 1.62 |
| | 5th month | 1.80 | - | 1.80 | 0.02 | 0.09 | 1.71 |
| | 4th month | 1.89 | - | 1.89 | 0.02 | 0.09 | 1.80 |
| | 3rd month | 1.98 | - | 1.98 | 0.02 | 0.09 | 1.89 |
| | 2nd month | 2.07 | - | 2.07 | 0.02 | 0.09 | 1.98 |
| | 1st month | 2.16 | - | 2.16 | 0.02 | 0.09 | 2.07 |

DOOR TO DOOR MORATORIUM PERIOD REPAYMENT PERIOD 60 MONTHS 6 MONTHS 54 MONTHS



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