PROJECT REPORT

Of

MAKHANA SNACKS

PURPOSE OF THE DOCUMENT

This particular pre-feasibility is regarding Makhana Snacks.

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 | T AT A GLANCE | | |
|----|-----------------------------------------------------------------|---------|----------------------------------------------|----------------------------------|-------------------|
| 1 | Name of the Entreprenuer | | XXXXXXXXX | | |
| 2 | Constitution (legal Status) | | xxxxxxxxx | | |
| 3 | Father / Spouse Name | | xxxxxxxxxxx | | |
| 4 | Unit Address : | | xxxxxxxxxxxxxxxxx | | |
| | | | Mobile | XXXXXXXX XXXXXXXX XXXXXXXX | State: xxxxxxxxxx |
| 5 | Product and By Product | : | MAKHANA SNACKS | | |
| 6 | Name of the project / business activity proposed : | | MAKHANA SNACKS UNIT | | |
| 7 | Cost of Project | : | Rs.40.56 Lakhs | | |
| 8 | Means of Finance Term Loan Own Capital Working capital | | Rs.31.5 Lakhs Rs.4.06 Lakhs Rs.5 Lakhs | | |
| 9 | Debt Service Coverage Ratio | : | 2.18 | | |
| 10 | Pay Back Period | : | 5 | Years | |
| 11 | Project Implementation Period | : | 5-6 | Months | |
| 12 | Break Even Point | : | 24% | | |
| 13 | Employment | : | 8 | Persons | |
| 14 | Power Requirement | : | 35.00 | HP | |
| 15 | Major Raw materials | : | Makhana, Seasoning/Flavour, Edible Oil, Pack | king Material | |
| 16 | Estimated Annual Sales Turnover (Max Capacity) | : | 268.76 | Lakhs | |
| 17 | Detailed Cost of Project & Means of Finance | | | | |
| | COST OF PROJECT | | Particulars | (Rs. In Lakhs) Amount | Ĭ |
| | | | Land / Building shed Plant & Machinery | Own/Rented 34.00 | |
| | | | Furniture & Fixtures Working Capital | 1.00 5.56 | |
| | | | Total | 40.56 | |
| | MEANS OF FINANCE | | | | |
| | | | Particulars | Amount | |

| Particulars | Amount |
|--------------------------|--------|
| Own Contribution | 4.06 |
| Working Capital(Finance) | 5.00 |
| Term Loan | 31.50 |
| Total | 40.56 |

MAKHANA SNACKS

Introduction: Euryale which is also known as Makhana, Phool Makhana, Foxnut, lotus seeds, Gorgon nut, Euryale Ferox commonly found in Bihar and in Loktak Lake Manipur. The Makhana plant is cultivated for its seeds in lowland ponds in India. In India around 63% of the total Makhana production comes from Bihar. Makhana is highly nutritious, fully organic non-cereal food superior to dry fruits such as almonds, walnut, coconut and cashewnut in term of sugar, protein, ascorbic acid and phenol content.100 gm Makhana contains 350 kcal, 9.7gm easily digestible protein, 77gm carbohydrate, 12.8gm moisture, 0.1gm fat, 90mg phosphorus & 1.4mg iron. Makhana seeds are often roasted or fried then eaten with a sprinkling of oil and spices. The present project profile envisages manufacturing of ready to eat Makhana snacks in different flavours.



Uses & Market Potential: Makhana is rich in protein which is extremely beneficial to the body. Lotus seed contains an abundant amount of magnesium which is the highest channel blocker and significantly improves the blood and oxygen. It has various other nutritional benefit and is widely consumed in India on different occasions too. The market of ready-to-eat snacks and namkeens is estimated at more than Rs.50,000 crore, having grown at a compounded annual growth rate of around 13%. Major growth drivers for the segment are attributed to changing lifestyle, growing 3 urbanization, increase in nuclear families and rise in disposable income. Other factors which have contributed to its growth include product innovations, strong marketing initiatives and low cost pricing strategies making products more affordable for consumers. The sale of snack food category (ready-to-eat packed foods like chips, extracted food, etc.) alone has grown more than sixfold. The world demand for nutritious and organically produced foods is growing rapidly in developed countries like Europe, USA, Japan and Australia. Therefore, there is a huge potential of marketing makhana as a ready to eat snacks in domestic as well as international market. The product positioning should be done carefully to target defined customer segment and promote it as a high value item.

Raw Material: Major raw material requirements are as follows:

- 1. Makhana
- 2. Seasoning/Flavour
- 3. Edible Oil
- 4. Packing Material

Machinery & Equipments: Major machineries & equipments are as follows:

| S No. | Machine | Unit | Price |
|-------|------------------------------------------------|------|---------|
| 1. | Three Layer Roaster (12+1 KW) with accessories | 1 | 600000 |
| | 5KW | | |
| 2. | Vibrator with Hopper (1/2 KW) | 1 | 100000 |
| 3. | Conveyer (1/2 KW) | 1 | 100000 |
| 4. | Seasoning Tank (200L) 4KW | 1 | 150000 |
| 5. | Seasoning Drum (1KW) | 1 | 225000 |
| 6. | Multi Head Packing Machine with table and | 1 | 1500000 |
| | accessories (3KW) | | |
| 7. | Nitrogen Plant (8NMQ), 3KW | 1 | 350000 |
| 8. | Air Dryer cum compressor (40CFM), | 1 | 150000 |
| 9. | De-Humidifier, 2 KW | 1 | 175000 |
| 10. | Other machines & equipments | Ls | 50000 |
| | Total Amount | | 3400000 |

Manufacturing Process: Makhana pop. procured from market cleaned, weighed and subjected to roasting followed by slurry flavouring in flavour drum then packing in desired pack size of different packing material i.e. metallised polyester poly, flexible can and tin can etc. The indicative quantity of oil, flavour and raw Makhana for 100 kg product detailed in basis and presumptions of this profile.

<u>Area:</u>

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 1500 to 2000Sqft.

Power Requirement: The power consumption required to run all the machinery could be approximated as 35hp.

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 8 including 1 Supervisor, 1 Plant operator, 1 unskilled worker, 1 Helper and 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
- NOC from State Pollution Control Board
- FSSAI License

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

| PROJECTED CASH FLOW STATE | MENT | | | | |
|---------------------------------|-------|-------|-------|-------|-------|
| | | | | | |
| PARTICULARS | I | II | Ш | IV | v |
| | | | | | |
| | | | | | |
| SOURCES OF FUND | | | | | |
| Own Contribution | 4.06 | _ | | | |
| Reserve & Surplus | 7.54 | 11.61 | 15.62 | 21.91 | 28.53 |
| Depriciation & Exp. W/off | 5.20 | 4.43 | 3.77 | 3.20 | 2.73 |
| Increase In Cash Credit | 5.00 | 4.43 | 3.77 | 3.20 | 2.73 |
| Increase In Term Loan | 31.50 | _ | _ | _ | _ |
| nicrease in Term Loan | 31.50 | | - | - | |
| Increase in Creditors | 2.78 | 0.46 | 0.32 | 0.32 | 0.32 |
| | | | | | |
| TOTAL: | 56.08 | 16.50 | 19.71 | 25.44 | 31.58 |
| | | | | | |
| | | | | | |
| A PRIVICATION OF FUND | | | | | |
| APPLICATION OF FUND | | | | | |
| Increase in Fixed Assets | 35.00 | _ | _ | _ | _ |
| Increase in Stock | 4.44 | 0.69 | 0.56 | 0.57 | 0.58 |
| Increase in Debtors | 3.96 | 0.65 | 0.54 | 0.55 | 0.57 |
| Repayment of Term Loan | 3.50 | 7.00 | 7.00 | 7.00 | 7.00 |
| Taxation | 0.75 | 3.48 | 4.68 | 6.57 | 8.56 |
| | | | | | |
| Drawings | 4.00 | 4.50 | 6.00 | 9.00 | 14.00 |
| TOTAL: | 51.65 | 16.32 | 18.78 | 23.69 | 30.70 |
| On anima Carle & Barala Balanca | | 4.42 | 4.60 | F F2 | 7.27 |
| Opening Cash & Bank Balance | - | 4.42 | 4.60 | 5.53 | 1.21 |
| Add : Surplus | 4.42 | 0.18 | 0.92 | 1.75 | 0.88 |
| Closing Cash & Bank Balance | 4.42 | 4.60 | 5.53 | 7.27 | 8.15 |

| PROJECTED BALANCE SHEET | | | | | |
|---------------------------------|-------|-------|-------|-------|-------|
| | | | | | |
| PARTICULARS | I | п | III | IV | v |
| COLINGES OF FUND | | | | | |
| SOURCES OF FUND Capital Account | | | | | |
| Opening Balance | _ | 6.84 | 10.47 | 15.40 | 21.74 |
| Add: Additions | 4.06 | - | - | - | - |
| Add: Net Profit | 6.78 | 8.13 | 10.93 | 15.34 | 19.97 |
| Less: Drawings | 4.00 | 4.50 | 6.00 | 9.00 | 14.00 |
| Closing Balance | 6.84 | 10.47 | 15.40 | 21.74 | 27.71 |
| · · | | | | | |
| CC Limit | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| Term Loan | 28.00 | 21.00 | 14.00 | 7.00 | - |
| Sundry Creditors | 2.78 | 3.25 | 3.57 | 3.90 | 4.22 |
| TOTAL: | 42.62 | 39.71 | 37.97 | 37.63 | 36.93 |
| | | | | | |
| APPLICATION OF FUND | | | | | |
| Fixed Assets (Gross) | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 |
| Gross Dep. | 5.20 | 9.63 | 13.39 | 16.60 | 19.32 |
| Net Fixed Assets | 29.80 | 25.38 | 21.61 | 18.40 | 15.68 |
| Current Assets | | | | | |
| Sundry Debtors | 3.96 | 4.61 | 5.15 | 5.70 | 6.27 |
| Stock in Hand | 4.44 | 5.12 | 5.68 | 6.25 | 6.83 |
| Cash and Bank | 4.42 | 4.60 | 5.53 | 7.27 | 8.15 |
| TOTAL: | 42.62 | 39.71 | 37.97 | 37.63 | 36.93 |

| PARTICULARS | ı | п | Ш | IV | v |
|---------------------------------|--------|--------|--------|--------|--------|
| T.M.T.COZ.MO | 1 1 | | | | · |
| A) SALES | | | | | |
| Gross Sale | 169.92 | 197.67 | 220.77 | 244.46 | 268.76 |
| Total (A) | 169.92 | 197.67 | 220.77 | 244.46 | 268.76 |
| B) COST OF SALES | | | | | |
| Raw Material Consumed | 119.25 | 139.13 | 153.04 | 166.95 | 180.86 |
| Elecricity Expenses | 2.36 | 2.62 | 2.88 | 3.14 | 3.40 |
| Repair & Maintenance | 16.99 | 17.79 | 22.08 | 24.45 | 26.88 |
| Labour & Wages | 4.79 | 5.08 | 5.53 | 6.09 | 6.69 |
| Depreciation | 5.20 | 4.43 | 3.77 | 3.20 | 2.73 |
| Cost of Production | 148.59 | 169.03 | 187.29 | 203.83 | 220.56 |
| Add: Opening Stock /WIP | - | 2.45 | 2.81 | 3.13 | 3.47 |
| Less: Closing Stock /WIP | 2.45 | 2.81 | 3.13 | 3.47 | 3.81 |
| Cost of Sales (B) | 146.14 | 168.68 | 186.97 | 203.49 | 220.22 |
| C) GROSS PROFIT (A-B) | 23.78 | 28.99 | 33.80 | 40.97 | 48.53 |
| | 14.00% | 14.67% | 15.31% | 16.76% | 18.06% |
| D) Bank Interest (Term Loan) | 3.42 | 2.79 | 2.02 | 1.25 | 0.48 |
| ii) Interest On Working Capital | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 |
| E) Salary to Staff | 3.78 | 4.16 | 4.57 | 5.03 | 5.53 |
| F) Selling & Adm Expenses Exp. | 8.50 | 9.88 | 11.04 | 12.22 | 13.44 |
| TOTAL (D+E) | 16.24 | 17.38 | 18.18 | 19.06 | 20.00 |
| | | | | | |
| H) NET PROFIT | 7.54 | 11.61 | 15.62 | 21.91 | 28.53 |
| | 4.4% | 5.9% | 7.1% | 9.0% | 10.6% |
| I) Taxation | 0.75 | 3.48 | 4.68 | 6.57 | 8.56 |
| | | | | | |

6.78

8.13

10.93

15.34

19.97

J) PROFIT (After Tax)

| COMPUTATION OF MAKING OF MAKHANA SNACK | <u>s</u> | |
|----------------------------------------|-------------|-----------|
| Item to be Manufactured Makhana Snacks | | |
| Manufacturing Capacity per day | 200 | Kg |
| No. of Working Hour | 8 | |
| No of Working Days per month | 25 | |
| No. of Working Day per annum | 300 | |
| Total Production per Annum | 60,000 | Kg |
| Total Production per Annum | 60,000 | Kg |
| | | MAKHANA |
| Year | Capacity | SNACKS |
| | Utilisation | |
| I | 45% | 27,000.00 |
| п | 50% | 30,000.00 |
| III | 55% | 33,000.00 |
| IV | 60% | 36,000.00 |
| V | 65% | 39,000.00 |
| | | |

| COMPUTATION OF RAW MATERIAL | | | | |
|-------------------------------|-----------------------------|------|--------------|----------------------------|
| Item Name | Quantity of Raw Material | Unit | Unit Rate of | Total CostPer Annum (100%) |
| Makhana | 60.00 | MT | 4,00,000.00 | 2,40,00,000.00 |
| Seasoning/Flavour | 8.00 | MT | 150000 | 12,00,000.00 |
| Edible Oil | 10.00 | MT | 80000 | 8,00,000.00 |
| Packing material | | | | 5,00,000.00 |
| Total | | | | 2,65,00,000.00 |
| | | | | |
| | | | | |
| Total Raw material in Rs lacs | | | | 265.00 |

| Raw Material Consumed | Capacity | Amount (Rs.) | | |
|-----------------------|-------------|--------------|---------------------|------|
| | Utilisation | | | |
| | | | | |
| I | 45% | 119.25 | | |
| II | 50% | 139.13 | 5% Increase in Cost | |
| III | 55% | 153.04 | 5% Increase in Cost | |
| IV | 60% | 166.95 | 5% Increase in C | Cost |
| V | 65% | 180.86 | 5% Increase in C | Cost |
| _ | | | | |

| COMPUTATION OF SALE | | | | | |
|------------------------------|-----------|-----------|-----------|-----------|-----------|
| Particulars | I | II | III | IV | V |
| | | | | | |
| Op Stock | - | 450.00 | 500.00 | 550.00 | 600.00 |
| Production | 27,000.00 | 30,000.00 | 33,000.00 | 36,000.00 | 39,000.00 |
| | 27,000.00 | 30,450.00 | 33,500.00 | 36,550.00 | 39,600.00 |
| Less : Closing Stock(5 Days) | 450.00 | 500.00 | 550.00 | 600.00 | 650.00 |
| Net Sale | 26,550.00 | 29,950.00 | 32,950.00 | 35,950.00 | 38,950.00 |
| Sale Price per Kg | 640.00 | 660.00 | 670.00 | 680.00 | 690.00 |
| Sale (in Lacs) | 169.92 | 197.67 | 220.77 | 244.46 | 268.76 |

| PARTICULARS | I | II | III | IV | V |
|----------------------|------|------|------|------|------|
| Finished Goods | | | | | |
| (5 Days requirement) | 2.45 | 2.81 | 3.13 | 3.47 | 3.81 |
| Raw Material | | | | | |
| (5 Days requirement) | 1.99 | 2.32 | 2.55 | 2.78 | 3.01 |
| Closing Stock | 4.44 | 5.12 | 5.68 | 6.25 | 6.83 |

| COMPUTATION OF WORKING CAPIT | TAL REQUIREMENT | | |
|------------------------------|-----------------|-------------|--------|
| | | | |
| Particulars | Amount | Margin(10%) | Net |
| | | | Amount |
| Stock in Hand | 4.44 | | |
| Less: | | | |
| Sundry Creditors | 2.78 | | |
| Paid Stock | 1.65 | 0.17 | 1.49 |
| Sundry Debtors | 3.96 | 0.40 | 3.57 |
| Working Capital Requirement | | | 5.06 |
| Margin | | | 0.56 |
| | | | |
| MPBF | | | 5.06 |
| Working Capital Demand | | | 5.00 |

| Per Month Employ | rees 1 1 1 1 | Salary 12,000.0 10,000.0 |
|----------------------------------------------------------------------------------------------------------------|--------------|--------------------------------|
| Plant Operator 10,000.00 Unskilled Worker 6,000.00 Helper 4,000.00 | 1 | 10,000.0 |
| Unskilled Worker 6,000.00 Helper 4,000.00 | | |
| Helper 4,000.00 | 1 | |
| | | 6,000.0 |
| Security Guard 6,000.00 | 1 | 4,000.0 |
| | 1 | 6,000.0 |
| | | 38,000.0 |
| Add: 5% Fringe Benefit | | 1,900.0 |
| Total Labour Cost Per Month | | 39,900.0 |
| Total Labour Cost for the year (In Rs. Lakhs) | 5 | 4.7 |

| Accountant cum store keeper | 10,000.00 | 1 | 10,000.00 |
|------------------------------------------|-----------|---|-----------|
| Sales | 8,000.00 | 1 | 8,000.00 |
| Total Salary Per Month | | | 30,000.00 |
| Add: 5% Fringe Benefit | | | 1,500.00 |
| Total Salary for the month | | | 31,500.00 |
| Total Salary for the year (In Rs. Lakhs) | | 3 | 3.78 |

Particulars

Manager

No of

Employees

Total

Salary

12,000.00

Salary

Per Month

12,000.00

| COMPUTATION OF DEPRECIA | ATION | | | |
|---------------------------|--------|----------------------|-----------|-------|
| Description | Land | Plant & Machinery | Furniture | TOTAL |
| | | | | |
| Rate of Depreciation | | 15.00% | 10.00% | |
| Opening Balance | Leased | - | - | - |
| Addition | - | 34.00 | 1.00 | 35.00 |
| | - | 34.00 | 1.00 | 35.00 |
| TOTAL | | 34.00 | 1.00 | 35.00 |
| Less : Depreciation | - | 5.10 | 0.10 | 5.20 |
| WDV at end of Ist year | _ | 28.90 | 0.90 | 29.80 |
| Additions During The Year | - | - | - | - |
| | - | 28.90 | 0.90 | 29.80 |
| Less : Depreciation | - | 4.34 | 0.09 | 4.43 |
| WDV at end of IInd Year | _ | 24.57 | 0.81 | 25.38 |
| Additions During The Year | - | - | - | - |
| | - | 24.57 | 0.81 | 25.38 |
| Less: Depreciation | - | 3.68 | 0.08 | 3.77 |
| WDV at end of IIIrd year | - | 20.88 | 0.73 | 21.61 |
| Additions During The Year | - | - | - | - |
| | - | 20.88 | 0.73 | 21.61 |
| Less: Depreciation | | 3.13 | 0.07 | 3.20 |
| WDV at end of IV year | | 17.75 | 0.66 | 18.40 |
| Additions During The Year | - | - | - | - |
| | - | 17.75 | 0.66 | 18.40 |
| | 1 | | | |

2.66

15.09

0.07

0.59

2.73

15.68

Less: Depreciation

WDV at end of Vth year

| REPAYMEN | T SCHEDULE OF TERM | LOAN | | | | 11.0% | |
|----------|--------------------|--------|----------|-------|----------|-----------|------------|
| Year | Particulars | Amount | Addition | Total | Interest | Repayment | Cl Balance |
| I | Opening Balance | | | | | | |
| | Ist Quarter | - | 31.50 | 31.50 | 0.87 | - | 31.50 |
| | Iind Quarter | 31.50 | - | 31.50 | 0.87 | - | 31.50 |
| | IIIrd Quarter | 31.50 | - | 31.50 | 0.87 | 1.75 | 29.75 |
| | Ivth Quarter | 29.75 | - | 29.75 | 0.82 | 1.75 | 28.00 |
| | | | | | 3.42 | 3.50 | |
| II | Opening Balance | | | | | | |
| | Ist Quarter | 28.00 | - | 28.00 | 0.77 | 1.75 | 26.25 |
| | Iind Quarter | 26.25 | - | 26.25 | 0.72 | 1.75 | 24.50 |
| | IIIrd Quarter | 24.50 | - | 24.50 | 0.67 | 1.75 | 22.75 |
| | Ivth Quarter | 22.75 | | 22.75 | 0.63 | 1.75 | 21.00 |
| | ~ | | | | 2.79 | 7.00 | |
| III | Opening Balance | | | | | | |
| | Ist Quarter | 21.00 | - | 21.00 | 0.58 | 1.75 | 19.25 |
| | Iind Quarter | 19.25 | - | 19.25 | 0.53 | 1.75 | 17.50 |
| | IIIrd Quarter | 17.50 | - | 17.50 | 0.48 | 1.75 | 15.75 |
| | Ivth Quarter | 15.75 | | 15.75 | 0.43 | 1.75 | 14.00 |
| | | | | | 2.02 | 7.00 | |
| IV | Opening Balance | | | | | | |
| | Ist Quarter | 14.00 | - | 14.00 | 0.39 | 1.75 | 12.25 |
| | Iind Quarter | 12.25 | - | 12.25 | 0.34 | 1.75 | 10.50 |
| | IIIrd Quarter | 10.50 | - | 10.50 | 0.29 | 1.75 | 8.75 |
| | Ivth Quarter | 8.75 | | 8.75 | 0.24 | 1.75 | 7.00 |
| | | | | | 1.25 | 7.00 | |
| V | Opening Balance | | | | | | |
| | Ist Quarter | 7.00 | - | 7.00 | 0.19 | 1.75 | 5.25 |
| | Iind Quarter | 5.25 | - | 5.25 | 0.14 | 1.75 | 3.50 |
| | IIIrd Quarter | 3.50 | - | 3.50 | 0.10 | 1.75 | 1.75 |
| | Ivth Quarter | 1.75 | | 1.75 | 0.05 | 1.75 | - |
| | | | | | 0.48 | 7.00 | |

Door to Door Period60MonthsMoratorium Period6MonthsRepayment Period54Months

CALCULATION OF D.S.C.R

| PARTICULARS | I | II | III | IV | v |
|-----------------------------|-------|-------|-------|-------|-------|
| | | | | | |
| | | | | | |
| | | | | | |
| <u>CASH ACCRUALS</u> | 11.98 | 12.55 | 14.70 | 18.54 | 22.70 |
| | | | | | |
| Interest on Term Loan | 3.42 | 2.79 | 2.02 | 1.25 | 0.48 |
| | | | | | |
| Total | 15.40 | 15.34 | 16.72 | 19.79 | 23.18 |
| | | | | | |
| <u>REPAYMENT</u> | | | | | |
| Repayment of Term Loan | 3.50 | 7.00 | 7.00 | 7.00 | 7.00 |
| Interest on Term Loan | 3.42 | 2.79 | 2.02 | 1.25 | 0.48 |
| | | | | | |
| Total | 6.92 | 9.79 | 9.02 | 8.25 | 7.48 |
| | | | | | |
| DEBT SERVICE COVERAGE RATIO | 2.23 | 1.57 | 1.85 | 2.40 | 3.10 |
| | | | | | |
| AVERAGE D.S.C.R. | | | 2.18 | | |

| COMPUTATION OF ELECTRICITY | | | |
|------------------------------------|----------|--------|--------------|
| (A) POWER CONNECTION | | | |
| | | | |
| Total Working Hour per day | Hours | 8 | |
| Electric Load Required | HP | 35 | |
| Load Factor | | 0.7460 | |
| Electricity Charges | per unit | 7.50 | |
| Total Working Days | | 300 | |
| Electricity Charges | | | 4,69,980.00 |
| 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 | · r · · · J |
| 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% | | | 5.24 |
| Year | Capacity | | Amount |
| | | | (in Lacs) |
| I | 45% | | 2.36 |
| II | 50% | | 2.62 |
| III | 55% | | 2.88 |
| IV | 60% | | 3.14 |
| V | 65% | | 3.40 |



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