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### INDUSTRIAL ADVISORY SERVICES

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# REPUBLIC OF MALAWI

Technical report: Assistance to ADMARC Cannery\*

Prepared for the Government of the Republic of Malawi by the United Nations Industrial Development Organization, acting as executing agency for the United Nations Development Programme

Based on the work of G. Taylor, consultant in the processing, preservation and canning of fruits, vegetables and juices

> Backstopping Officer: M. Farah Industrial Management and Rehabilitation Branch

United Nations Industrial Development Organization Vienna

<sup>\*</sup> This document has not been edited.

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### I: INTRODUCTION.

The second part of the split mission initiated in March / April 1991 was undertaken to follow up on the recommendations made in the initial report. At the time of the initial report, ADMARC were in the final stages of negotiation with a group of local business men for the sale of the cannery. In the event this sale fell through for unexplained reasons and ADMARC then made it known publically that the cannery was again up for sale. Three local companies expressed interest in buying the operation and ADMARC indicated that bids should be placed by November 20th 1991. One of the bidders asked for a delay of approximately two weeks in order to fully consult with their European shareholders and this was granted.

Since the second part of the mission was primarily concerned with the progress on the IMMEDIATE & SHORT TO MID-TERM RECOMMENDATIONS given in the initial report, it was decided that the second part be undertaken. In the event, due to the delays in other operators taking over the cannery operations and ADMARC following their declared policy of not putting further finance into, nor guaranteeing further overdraft facilities for the cannery, the cannery had not worked since mid-October and is unlikely to start before the second week in December. During the period November 11th to 15th the factory was visited and progress on the recommendations checked and recorded.

Discussions were held in Blantyre with the CTA Mr. Jacob during the period November 18th to 20th and the decision was made to prepare a business plan with associated financial analyses which

would form the bulk of the second part of the mission and also provide the prospective buyers with a more detailed assessment of the future production capacity of the factory based on the recommendations for new plant given in first report as well as giving them an analysis of the potential profitability of the company operations over a projected ten year period.

These assessments form the basis of the report on the second part of the mission and follow.

# II: PROGRESS on RECOMMENDATIONS.

### 1: Double Seam Evaluation.

This aspect of the recommendations has been fully implemented along with off-site training at General Tinsmiths in Blantyre. All Production, Engineering and Quality Control staff are fully familiar with the standard systems and proceedures as recommended by all can manufacturers. Full records are kept at the factory of all double seam parameters and these are fully integrated with production records as recommended. The necessary basic spare parts have been obtained to ensure that the existing seamers are able to form seams to the required standards and these are now being fitted.

# 2: Product Specification

Work on these had been started, but they were not to the standard recommended. The basic problem lay in the fact that the Quality Control staff had tried to compile these themselves, as a result of which certain critical areas were ommitted. As pointed out in the original report, these Specifications should be

a combined effort with all departments to be fully effective. A meeting was held with all staff and a further explanation given and sample Specification produced. It is now fully appreciated what the requirements are and steps will be undertaken by the mangement to ensure full compliance with the recommendations.

# 3: Technical Management.

Since the factory has not been sold and ADMARC are only looking upon their holding as temporary, no Technical Manager has been employed. One of the Quality Control staff is at present in Irdia on a course, but this is purely associated with Quality Assurance techniques.

# 4: Working Capital

No increase in working capital has been provided. As a result of this there is a shortage of moneys to purchase raw materials and cans for the coming pineapple season. Shortage of cash also delayed the ordering of essential preservative chemicals as a result of which stocks ran out and the factory has had to cease operation until delivery is effected.

# 5: Sales Programme.

Within the constraints imposed by the greatly reduced production programme due to cash shortage, the sales department have since June embarked upon a positive sales programme. One week in four members of the sales force visit customers in specific areas of the country to press the sale of company products. In some meaure this has 'back fired' in that in a number of cases they cannot fill the potential orders given. However, the discipline of sales

making is being established and should continue under any new ownership.

6: Short to medium term recommendations.

The only recommendations which have been undertaken in this section is the purchase of a Baird & Tatlock incubator and the overseas training of one of the Quality Control staff. Since there has been a gross cash shortage and the original sale fell through it is to the credit of the management that these items have been accomplished.

# III: CONCLUSIONS.

All that can be said has been said on the above matters. There has been no substantial change in circumstances of the cannery since the first report. ADMARC continue to starve it of working capital and the original sale fell through.

It is to the credit of the existing management and staff that any progress on the various recommendations has in fact been made and given the constraints under which they have been operating they have exhibited a good spirit.

In the matter of any new ownership; it is to be hoped that they will follow the principles laid out in both the initial and this report to assist the cannery to a profitable future as well as improving the infrastructure of the Mulanje District.

It is once again emphasised that the recommendations given in the two reports are not rigid and un-alterable. They are recommendations based on experience and indicate a route which it is felt would lead to the ultimate prosperity and revitalisation of ADMARC cannery.

# IV: TEN YEAR BUSINESS PLAN

### MULANJE CANNERY, RUO, MALAWI.

# A: BACKGROUND

This business plan should be read in conjunction with the initial report "ASSISTANCE to ADMARC CANNERY. MULANJE" under UNIDO reference DP/MLW/88/018/11-55 of May 1991.

The cannery was initially to be sold by it's owners ADMARC to a group of local entrepeneurs headed by Mr Ismail Sabadia, but due to unforseen circumstances, this group withdrew from negotiations and the cannery was put back for offers on to the open market. Three Malawian Companies showed interest in the purchase and ADMARC indicate that offers should be made to them for the purchase of the operation by November 20th. 1991. This date was subsequently deferred for two weeks as one of the parties required further time to consult with European shareholders.

In the event, the cannery has been unable to operate effectively since mid-October due to lack of moneys, partly due to a high level of outstanding accounts taking the cannery overdraft to it's limit; and the shortage of chemicals which, though ordered, have failed to be delivered.

It was decided in consultation with Mr Jacob, UNIDO CTA,
Blantyre, that a business plan with financial analyses should be
prepared which could be passed to both ADMARC and the prospective
purchasers in order that they may have further relevant
information to aid their decision making.

# B: FACTORY OPERATIONAL PLAN

# 1: Rationale.

The two major crops grown in the vicinity of the factory are; Pineapple and Tomato. The pineapple is an established crop, though badly in need of re-vitalising by phased re-planting and fruit setting control. Tomato are a seasonal cash crop grown immediately after the maize harvest. The cannery supply seed for the latter; the present variety being Roma. Consideration should be given to mixing the variety in order that the cropping period be extended. The decision was made therefore that the Plan should concentrate on the manufacture of products based on these two commodities and in so doing, work on the basis that all fixed and variable costs for the factory would be recovered against production associated with them. Thus, any other products manufactured such as jam and juices would, broadly, be produced on a marginal basis and their profitability would be of a high order.

One of the major constraints identified in the existing operations is the multiplicity of can sizes used in production. This coupled with the various laquers needed for different products leads to confusion, overstocking and waste. Thus it is felt essential that the range of can sizes be reduced and to this end only a 410 / 440 gramme can has been chosen. This can equates to roughly an 'old' 16 ounce capacity container, the actual content weight is dependant upon the product density; thus label weights can vary from 410 to 440 grammes. A proposed innovation introduced in the second year of operation is the packing of

tomato sauce, puree and possibly jam in 25 gramme sachet style packs. This pack is planned to retail at between 44 and 48 Tambala each and is thus aimed solidly at the urban Malawian market. Sales of product in this pack have been estimated on a very conservative basis and discussions with major stores group suggest that sales could be substantially higher than listed. It should be noted that the equipment used to produce this pack is capable of operating in a range of weights from about 3 grammes to 200 grammes. Thus, there is a potential market for catering, restaurant, hotel and 'in-flight' jam and sauce sales. Non of this potential sales has been included in the projections associated with this plan.

# 2: Production Plan and Costs.

A PRODUCTION & REVENUE SCEDULE was developed for a ten year period based on the above rationale.. Year 1 was based on a production of Pineapples to suit the planned purchase of cans for pineapple in season 1991 / 1992, viz: approx 150,000 units. The production of Tomato products was based on performance of the factory in 1989, the last recorded year of reasonably stable production. From this base in year 1, the level of production was increased on the basis of the capital investment programme suggested in the original report with installation of equipment scheduled in years 2,3 & 4. Thus subsequent levels of production are based upon the installation of new and improved processing and handling equipment as well as a more efficient utilisation of the labour force.

The Production & Revenue Schedule is attached as ANNEXE 2 with the Summary as ANNEXE 3. Revenues are based on existing selling prices which are attached as ANNEXE 8.

From the production schedule a schedule of RAW MATERIAL & PACKAGING COSTS was developed based upon the recipes a d material costs as existing at the cannery. This schedule is attached as ANNEXE 4 and gives the relevant costs up to year 10. The calculations from which these costs are derived are attached as ANNEXE 5, along with a summary of RAW MATERIAL QUANTITIES based on the maximum production outputs as at year 7 as ANNEXE 6. With regard to these latter figures; these have been discussed in detail with the cannery Field Extension Officer who is confident that the quantities projected are well within the capacity of the growers in the area area. It is worth noting that the quantity of Pineapple involved is only some 400 Tonnes more than the amounts processed during the latter days of Mr Rumneys' management in 1984 at approx 2,000 Tonnes. The quantity of Tomato required is some 3,200 Tonnes but due to this crop following Maize it is confidently anticipated that ample land area will be available for growing this crop. Note should be taken of the comments made in the original report regarding changing varieties to ensure a more even cropping pattern and thus a more regulated inflow of material to the factory. Similarly, the Pineapple growers must be disciplined into removing old plants in order to both improve quality and quantity of fruit to the factory.

3: Further Inputs.
Other cost inputs are based on actual figures obtained from the

accounts department at the cannery and are derived from either the last audited balance sheet or actual ledger entries. Due allowance has been made for the employment of an Expatriate Technical Manager / General Manager as well as replacement vehicles and additional office equipment (computer etc.) in the first two years. Due allowance has been made for marginal increase in labour from year 4 onwards.

It should be noted that ITEM 34 on the summary of inputs attached as ANNEXE 9 & 10 whilst listed as equity, are, for the purpose of the analysis calculations, a form of working capital.

# C: Financial Analyses.

# 1: Explanation.

Two analyses have been carried out.

The first, listed as ANNEXE 11, gives a 10 year financial summary based upon an 'equity / working capital' injection of MK1,000,000 and shows an IRR of approx 23%. In this excercise no allowance has been made for any capital investment in additional production plant and only pineapple and tomato products are manufactured as per ANNEXE 3 & 4. As already stated, allowance has been made for replacement of transport / employment of expatriate etc.

In the second analysis, listed as ANNEXE 12; marginal revenues and capital investment in equipment have also been allowed. The prices of the equipment are given as ANNEXE 13 attached. With regard to marginal revenues, these are based on the production of fruit juices and flavoured jams produced either concurrently or seperately to pineapple and tomato products. The profits are

Dased on the calculations of marginal costs attached as ANNEXE 7. In order to give an indication of the magnitude of marginal production required, all average selling prices on the summary of inputs ANNEXE 9 were increased by 10% and the difference between these and the original figures used to calculate the extra number of cases to be produced, in this instance approx 26,000. This figure was discussed with existing management who felt it to be realiseable with the proposed capital investment programme: The computer programme inputs are listed as ANNEXE 9 & 10 and calculation of the IRR gives a value of approx 22% as ANNEXE 11 & 12.

# 2: Conclusion.

It can be deduced from the first analysis that all production costs and overheads involved can be recovered against the production of only pineapple and tomato based products as well as investment in new transport, office equipment and the employment of an expatriate manager undertaken.

The second analysis shows that by use of marginal production, capital investment in new equipment can be made and a good return effected on the project.

Thus it is recommended that the Business Plan outlined be adopted or, a similar method of re-habilitating the cannery be followed. It should be borne in mind that by continuing the operation of the cannery a sum of money closely approaching MK2,000,000 will be injected into the Mulanje District economy and the development of a basic Agro Industry firmly established.

Discussions have taken place with General Tinsmiths of Blantyre

concerning the re-forming and future manufacture of cans and indications are that this can still proceed along the lines outlined in the original report. A meeting was also held with the Group General Management of Peoples Trading Company (a subsidiary of Press Group) concerning export of products through their Group to South Africa and Europe. The opinion is that providing the quality of product and packing is of acceptable International standards; there should be no problem in handling the quantities listed in the schedule.

3: General Notes & Observations.
The following assumptions have been made in compilation of the

tables and in the calculations of the financial analyses :-

- a) It is assumed that all goods made are sold within the year of manufacture.
- b) It is assumed that repayment of loans commences in year following draw-down.
- c) Interest rates for the loans are taken at normal commercial rates, viz: 18% for capital loans and 20% for overdraft facilities. Provision of moneys for the capital equipment from overseas sources at lower rates of interest, e.g. by use of country oriented 'soft loans' etc, the rate of return on the investment would be improved.
- d) It is taken that no carry forward of tax losses is allowable.
- e) It is assumed that all equipment purchased overseas is allowed in duty and tarrif free.
  - f) Costs for capital equipment are based on prices as per

attached ANNEXE12 and NOT as original report. As stated in cover letter to original report (not published), it was felt that the original quoted prices were too high due to hurried preparation by potential suppliers.

- g) It is assumed that adequate working capital as stated will be available.
- h) No allowance is made for inflation or cost escalations, but examination of the projected NPV's indicate substantial buffers for these elements.

VI: DE - BRIEFING at MINISTRY of TRADE, INDUSTRY & TOURISM.

The Ministry of Trade, Industry & Tourism, Lilongwe requested that a de-briefing on the project be held at their offices in Lilongwe before the writer left Malawi.

This meeting took place at 11 am on Dec 5th 1991 and present were:

Mr Banda, Principal Industrial Development Officer.

Mr Chipita, Assistant.

Mr F Runchel, UNIDO Representative, Lilongwe.

The salient points of the project were outlined, including the reason for and an explanation of the Financial Analyses. The reasons for the conclusion that the cannery at Mulanje was still an extremely viable concern were explained and discussed and suggestions put forward concerning ways in which the Department could assist the business when the ownership changed. These ranged from assistance with ensuring duty free import of machinery, through assistance with soft loan application to a measure of assistance with regard to tarriff review for import

substitution.

The representatives of the Ministry were concerned that the cannery should continue in existence and be developed along the lines of the two reports covering first and second phases of the project; particularly in view of the potential financial benefits to the growers and farmers in the Mulanje District as well as the potential export capability and import substitution. They promised that any application made by the new owners or management would be dealt with sympathetically. They thanked UNDP, UNIDO and the Consultant for their comprehensive assistance with the project and the detailed contents and advice in the two reports. Copies of the un-edited draft report were left in Malawi with the CTA, Blantyre, ADMARC, UNIDP Lilongwe and the Ministry.

# ANDEXE 1

# Terms of Reference

In the second part of the mission (one month) the consultant will undertake the following:

- Review progress of work regarding acceptance of the diagnostic studies and implementation of the recommendations provided.
- 2) Assist in the further implementation of the recommendations where necessary to bring about a full rehabilitation of the operations and performance of the Company.

The consultant will be expected to prepare a final report setting out the findings and recommendations of the mission on future actions which might be taken by the Government.

# PRODUCTION & REVENUE SCHEDULE

# ADMARC CANNERY

ANNEXE 2

| AMUAL REVENUE               |                         | 826,700         | 2,202,700       | 5,018,900          | 6,861,900          | 8,948,600          | 9,540,200          | 10,660,200         | <b></b> > |   |    |                     |
|-----------------------------|-------------------------|-----------------|-----------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------|---|----|---------------------|
| Product                     | Pack size<br>k per case | l               | 2               | 3                  | 4                  | 5                  | 6                  | 7                  | 8         | 9 | 10 | Elapsed<br><- years |
| Pineapple Rings<br>(Syrup)  | 24 x 410g<br>58.90      | 1000<br>58,900  | 2500<br>147,250 | 4500<br>265,050    | 5000<br>294,500    | 5500<br>323,950    | >                  |                    |           |   |    |                     |
| Pineapple Rings<br>(Juice)  | 24 x 410g<br>64.00      | 1000<br>64,000  | 6000<br>384,000 | 13000<br>832,000   | 15500<br>992,000   | 17000<br>1,088,000 | ><br>>             |                    |           |   |    |                     |
| Pineapple Pieces<br>(Syrup) | 24 x 410g<br>50.00      | 1500<br>75,000  | 4000<br>200,000 | 9500<br>475,000    | 10500<br>525,000   | 12000<br>600,000   | ><br>>             |                    |           |   |    |                     |
| Pineapple Pieces<br>(Juice) | 24 x 410g<br>48.00      | 275C<br>132,000 | 9000<br>432,000 | 25000<br>1,200,000 | 28000<br>1,344,000 | 31000<br>1,488,000 | <i>→</i>           |                    |           |   |    |                     |
| Tomato Sauce<br>(Plastic)   | 24 x 800ml<br>94.30     | 2000<br>188,600 | 4000<br>377,200 | 8000<br>/54,400    | 12000<br>1,131,600 | 18000<br>1,697,400 | →<br>→             |                    |           |   |    |                     |
| Towato Sauce<br>(Plastic)   | 24 x 400ml<br>55.20     | 3000<br>156,600 | 6000<br>331,200 | 12000<br>7662400   | 18000<br>993,600   | 25000<br>1,380,000 | →<br>→             |                    |           |   |    |                     |
| Towato Sauce<br>(Sachet)    | 100 x 25ml<br>26.00     |                 | 500<br>13,000   | 4000<br>104,000    | 12000<br>312,000   | 25000<br>650,000   | 40000<br>1,040,000 | 6000C<br>1,560,000 | <b></b> > |   |    |                     |
| Tomato Puree                | 24 x 440g<br>58.90      | 1000<br>58,900  | 2000<br>117,800 | 4000<br>235,600    | 6000<br>253,400    | -^<br>-^           | -><br>->           |                    |           |   |    |                     |
| Whole Tomato                | 24 x 440g<br>62.11      | 500<br>31,055   | 1000<br>62,100  | 2006<br>124,200    | 3000<br>186,300    | 4000<br>248,400    | <b>→</b>           |                    |           |   |    |                     |
| Tomato Juice                | 24 x 410g<br>61.58      | 1000<br>61,600  | 2000<br>123,200 | 4000<br>246,300    | 6000<br>369,500    | -^<br>-^           | îî                 |                    |           |   |    |                     |
| fonato Puree<br>(Sachet)    | 100 x 25g<br>30.00      |                 | 500<br>15,000   | 4000<br>120,000    | 12000<br>360,000   | 25000<br>750,000   | 40000<br>1,200,000 | 60000<br>1,800,00C | ><br>>    |   |    |                     |

| Year →>                   | 1       | 2         | 3         | 4         | 5         | 6         | 7          | 1             | , | 10 |
|---------------------------|---------|-----------|-----------|-----------|-----------|-----------|------------|---------------|---|----|
| ANNAL REVISER             | 826,700 | 2,202,700 | 5,018,900 | 6,861,900 | 1,941,600 | 9,540,200 | 10,660,290 | <del></del> > |   |    |
| Total number<br>of cases  | 13,750  | 37,500    | 90,000    | 128,000   | 178,500   | 208,500   | 248,500    | î             |   |    |
| Average price<br>per case | 60.12   | 58.74     | 55.76     | 53.61     | 50.13     | 45.75     | 42.90      | <b>→</b>      |   |    |

# RAW MATERIALS & PACKING MATERIALS USED (COST) (Read in conjunction with Production/Revenue Schedule)

ANNEXE 4

| Product                                  |                         | 1                  | 2                  | 3                      | •                      | 5                         | 6                      | 7                                   | • 0       | 9 | 10 | Cost per case  |
|--|-------------------------|--------------------|--------------------|------------------------|------------------------|---------------------------|------------------------|-------------------------------------|-----------|---|----|----------------|
| Pineapple Rings<br>(Syrup)               | Raw Material<br>Packing | 11,860<br>14,750   | 29,650<br>36,975   | 53,370<br>66,375       | 59,300<br>73,750       | 65,230<br>81,125          | 65,230<br>81,125       | 65,230<br>81,125                    | îî        |   |    | 11.86<br>14.75 |
| Pineapple Rings<br>(Juice)               | Raw Material<br>Packing | 11,520<br>14,750   | 28,800<br>88,500   | 149,760<br>191,750     | 178,560<br>228,625     | 195,840<br>250,756        | 195,840<br>250,750     | 195,840<br>250,750                  | <i>→</i>  |   |    | 11.52<br>14.75 |
| Pineapple Pieces<br>(Syrup)              | Raw Material<br>Packing | 17,790<br>22,125   | 47,440<br>59,000   | 112,670<br>140,125     | 124,530<br>154,875     | 142,320<br>177,000        | 142,320<br>177,000     | 142,320<br>177,000                  | <b>→</b>  |   |    | 11.86<br>14.75 |
| Pineapple Pieces<br>(Juice)              | Raw Material<br>Packing | 31,680<br>40,560   | 103,680<br>132,750 | 288,000<br>368,750     | 322,560<br>413,000     | 357,120<br>457,250        | 357,120<br>457,250     | 357,120<br>457,250                  | ^<br>^    |   |    | 11.52<br>14.75 |
| Tomato Sauce<br>24 x 800 ml              | Raw Material<br>Packing | 117,340<br>37,560  | 234,680<br>75,120  | 493,600<br>150,240     | 704,040<br>225,360     | 1,056,000<br>338,000      | 1,056,000<br>338,000   | 1,056,000<br>338,000                |           |   |    | 58.67<br>18.78 |
| Tomato Sauce<br>24 x 400 ml              | Baw Material<br>Packing | 80,000<br>37,920   | 160,000<br>75,840  | 320,000<br>151,680     | 480,000<br>227,520     | 666,700<br>316,000        | 666,700<br>316,000     | 666,700<br>316,000                  | <b></b> > |   |    | 26.67<br>12.64 |
| Tonato Sauce<br>(Sachet)                 | Raw Material<br>Packing |                    | 3,750<br>7.900     | 30,000<br>63,200       | 90,000<br>189,600      | 187,500<br>395,000        | 300,000<br>632,000     | 450,000<br>948,000                  | î<br>î    |   |    | 7.50<br>15.80  |
| Tomato Puree                             | Naw Material<br>Packing | 18,760<br>14,750   | 37,520<br>29,500   | 75,000<br>59,000       | 112,560<br>88,500      | 112,560<br><b>88,50</b> 0 | 112,560<br>88,500      | 112,560<br>88,500                   | îî        |   |    | 18.76<br>14.75 |
| Mole Tomato                              | Raw Material<br>Packing | 2,960<br>7,375     | 5,920<br>14,750    | 11,840<br>29,500       | 17,760<br>44,250       | 23,680<br>59,000          | 23,680<br>59,000       | 23,680<br>59,000                    | <b>→</b>  |   |    | 5.92<br>14.75  |
| Tosato Juice                             | Raw Material<br>Packing | 4,390<br>14,750    | 9,780<br>29,500    | 19,560<br>59,000       | 29,340<br>88,500       | 29,340<br>88,500          | 29,340<br>88,500       | 29,340<br>88,500                    | <b>→</b>  |   |    | 4.89<br>14.75  |
| Towato Pureo<br>(Sachet)                 | Raw Material<br>Packing |                    | 2,185<br>7,900     | 17,480<br>62,200       | 52,440<br>189,600      | 109,250<br>395,000        | 174,800<br>632,000     | 262,200<br>948,000                  | -><br>->  |   |    | 4.37<br>15.80  |
| fotal Raw Material<br>fotal Packing Cost |                         | 296,800<br>204,540 | 663,400<br>557,640 | 1,571,280<br>1,342,280 | 2,171,090<br>1,923,580 | 2,945,540<br>2,646,130    | 3,123,590<br>3,120,130 | 3,360, <del>99</del> 0<br>3,752,130 | ><br>>    |   |    |                |

# RAW MATERIAL & PACKAGING COSTS

# a) Pineapple Rings & Chunks

This fill is based on 420 grm total weight with a <u>fill</u> weight of solids of 80% and liquid 20%. After processing, solids weight is 60% and liquid 40% due to transfer of juice to syrup. This applies to both natural juice and light (18° Brix) syrup fill.

# i) For light syrup fill

Pineapple at 26% yield

Fill\* grm Yield Price conv to grm Fruit =  $0.8 \times 420 \div 0.26 \times 35T/K \div 1000$ 

Juice - since extracted from 74% waste, notional cost 2T.

Syrup based on recipe as follows:

70 kg water 30 kg sugar • 0.913/kg = 27.39 Kwacha

Boiled to 18/20° Brix = say 70 litres

based on 20% fill = 420 x .2 ÷ 1000 litres = 0.084 l

 $\begin{array}{rcl}
27.39 \\
\text{Cost} &= & ----- \\
& & 70
\end{array} = 0.39 \text{ k/l}$ 

Therefore cost of syrup fill = 3.4 Tambala

Therefore Raw Material Cost in syrup = (0.46 + 0.034) 24 = 11.86 Kwacha/case

and Raw Material Cost in juice = (0.46 + 0.02) 24= 11.52 Kwacha/case

Cost of 420g can & end = 0.37 24 = 8.88 Cost of label = 0.12 25 = 3.00 Cost of case = 1.22

13.11

Allow overall 12% wastage on cans, cartons and labels, and

Packaging cost for 24 x 410g cans = 14.75 Kwacha

WB: This same packing material cost will apply to all tomato canned products also. (Some variations due to lacquer, but 12% wastage cost will cover this).

# RAW MATERIAL & PACKAGING COSTS

# a) Tomato Sauce

# Raw Material based on macipe

| Ingredient   | Kwacha<br>Unit Cost  | Kwacha<br>Recipe Cost   |
|--|--|---|
| 50 kg tomato @ 70% yield 5.6 kg sugar 3.75 kg 8% vinegar 0.6 kg cornflour 11 grm Cayenne 10 grm Mace 11 ml Onion Essence 960 grm Salt 37 grm Sodium Benzoate | 0.35/kg<br>0.913/kg<br>5.24/kg<br>2.47/kg<br>11.483/kg<br>2.48/kg<br>22.85/1<br>0.96/kg<br>6.22/kg | 25<br>5.113<br>19.65<br>1.48<br>0.12<br>0.025<br>0.252<br>0.922<br>0.23 |

Total ingredients

52.8 Kwacha

Yield from above 1.98 cases of 24 x 400 ml  $\overline{OR}$  0.9 CASES 24 X 800 ml. Sachet pack 100 x 25ml = 2500 ml

Therefore RM cost/case 400 ml = 26.67 Kwacha800 ml = 58.67 Kwacha

Sachet x 100 = 7.5 Kwacha

# Packaging Costs (inc caps)

400 ml bottle = 47T x 24 = 11.28 Kwacha

Outer carton and dividers = 1.36

Total = 12.64 Kwacha

800 ml bottle = 66T x 24 = 15.84 Kwacha

Outer carton and dividers = 2.94

Total = 18.78 Kwacha

Sachet = 12T x 100 = 12 Kwacha/carton

Outer carton = 3.8

Total = 15.8 Kwacha

This cost also the same for tomato purée sachet.

### Tomato Purée b)

Raw Material

H<sub>2</sub> = water in concentrate Where

S<sub>2</sub> = solids in concentrate H<sub>1</sub> = water in juice S<sub>1</sub> = solids in juice

Theoretical yield  $H_2S_2 = H_1S_1$ 

Therefore

Purée

$$H_2 = \frac{H_1 s_1}{s_2}$$

Natural juice

= app 4% solids = app 16% solids

Therefore

= 100 (96 + 4)total weight of juice = 40 (24 + 16) total weight of purée

Therefore yield = 40/100

= 40%

From practical records, yield

= 18%

For analysis, let yield be

30%

From 100kg tomato, yield is 70kg of clean juice

Therefore from 100 kg tomato puree =  $70 \times 0.3 = 21 \text{ kg}$ 

Therefore cost per 21 kg purée as per recipe:

|  |             | Unit cost                      | Recipe Cost       |
|--|-------------|--------------------------------|-------------------|
| 100 kg tomato<br>Citric Acid 1<br>Salt | 150g<br>28g | 0.35/kg<br>11.31/kg<br>0.96/kg | 35<br>1.7<br>0.03 |
|  |             |                                | 36.73             |

Packed in 440g can

Therefore raw material cost/case 
$$= \frac{36.73}{----} \times 24$$
$$= \frac{18.76}{47}$$

# b) Tomato Puree (Contd)

For 25 grm sachet x 100 pack

Therefore raw material cost per case of 100 =  $\frac{K 4/37}{}$ 

# c) Tomato Juice

From 100 kg tomato juice yield = 70%

Therefore juice = 70 kg.

Cost from recipe

|                               | Weight                                | Unit Cost<br>K/kg              | Recipe<br>Cost              |
|-------------------------------|---------------------------------------|--------------------------------|-----------------------------|
| Tomato Salt Citric Acid Sugar | 100 kg<br>1.5 kg<br>116 grm<br>2.0 kg | 0.35<br>0.96<br>11.31<br>0.913 | 35<br>1.44<br>1.31<br>1.826 |
|                               |                                       |                                | <u>39.576</u>               |

For 410g cans No of cans/batch 70,000 ----- = 170 410

allow 12%% wastage on fill

39.576 = ----- x 24 x 0.875 170

= K4.98

MB: Recipe cost will be same for fill liquor for whole peeled tomato.

# d) Whole Peeled Tomatoes

Yield after waste & peeling = 70%

Therefore 100kg input = 70kg to can.

Target solid fill weight = 0.7 x 440 grm = 308 grms

Therefore no of cans from 100kg input

Allow 12%% fill damage/wastage

No of cans = 198 cans per 100 kg input

Cost of 100 kg tomato @ 0.35/kg = K35.0

Therefore cost of whole tomato per case = ---- x 24 198

 $= \underline{K4.12}$ 

= K5.92

Fill liquor as tomato juice, viz:

70 kg at K39.576

at 30% liquor fill weight, liquor/can = 440 x .3 = 132 grm.

Therefore number of cans/batch = 70,000 = 530

Therefore cost of liquor/case  $39.576 = ---- \times 24 = \underbrace{K1.8}_{530}$ 

Therefore total cost of RM/case = 4.12 + 1.8

# RAV MATERIAL INPUT - MAXIMUM

# a) Pineapple

Total output 65,500 cases of 410 grm ● 80% fill, 26% yield

Cases x 24 x 410 x 0.8 = ----- tonnes 0.26 x 1000 x 1000

Pineapple = 1983 tonnes fruit

(During Mr Rumney's period tonnage 1500)

| b) <u>Tomato</u>   | Cases   | Size  | Yield/Tomato<br>Input  | Raw Material<br>Tonnes                       |
|--|---|---|--|--|
| 800g Sauce<br>400g Sauce<br>Sachet Sauce<br>Puree<br>Whole Peeled Tom<br>Juice<br>Sachet Puree | 18,000<br>25,000<br>60,000<br>6,000<br>4,000<br>6,000 | 24 x 800g<br>24 x 400g<br>100 x 25g<br>24 x 440g<br>24 x 410g<br>24 x 410g<br>100 x 25g | 0.9/50kg<br>1.98/50kg<br>7.6 /50kg<br>1.96/100kg<br>8.25/100kg<br>7.08/100kg<br>8.27/100kg | 1000<br>631<br>394<br>306<br>49<br>85<br>725 |
|  |   |   |  | 3190   |

Therefore Tomato input required = 3,190 tonnes

# MARGINAL COSTINGS

# a) Pineapple Juice

Juice is "free", only cost is packing at K14.75/case.

# b) Flavoured jam

| Recipe:     | Material Paw paw pulp (80% yield) | kg<br>45.0 | Unit<br>Cost/kg<br>0.1 | Recipe<br>Cost<br>5.625 |
|-------------|-----------------------------------|------------|------------------------|-------------------------|
| Pulp "free" | 4 x A10 cans<br>Pineapple pulp    | 45.0       | 0.25                   | 11.25                   |
|             | Sugar                             | 45.0       | 0.913                  | 41.08                   |
|             | Pectin/Gum                        | 150g       | 88.00                  | 13.2                    |
|             | Flavour                           | 50ml       | 40.00                  | 1.6                     |
|             |                                   |            |                        |                         |

K 72.755

Yield 7 cases 24 x 450 grms

RM cost/case = K = 10.4

Marginal revenues required from schedule (47.19 - 42.9) x 248,500

= K 1,066,065

Marginal profit on juice = 44.2 | call average Marginal profit on jam = 39.4 | 40K

Therefore no of cases of production =

1966 obs

40

Marginal production = 26,650

# SELLING PRICES AS FROM 25-3-91

| 1 | • |
|---|---|
| 1 |   |
|   | • |

| Pineapple chunks in syrup               | 24 x 410g          | 50.00  |            |        |
|---|--------------------|--------|------------|--------|
| Pineapple chunks in syrup               | 24 x 820g          | 55.00  |            |        |
| Pineapple chunks natural                | 24 x 410g          | 48.00  |            |        |
|   | 24 x 820g          |        |            |        |
| Pineapple chunks natural                | 24 x 410g          |        |            |        |
| Pineapple rings in syrup                |                    |        |            |        |
| Pineapple rings in syrup                | 24 x 820g          |        |            |        |
| Pineapple rings natural                 | 24 x 410g          |        |            |        |
| Pineapple rings natural                 | 24 x 820g          | 68.00  |            |        |
|   |                    |        |            |        |
| Tomato Sauce plastic                    | 24 x 800ml         | 94.30  |            |        |
| Tomato Sauce plastic                    | $24 \times 400 ml$ | 55.20  |            |        |
| Tomato Juice can                        | 24 x 410g          | 61.58  |            |        |
| =                                       | 24 x 820g          | 74.75  |            |        |
| Tomato Juice can                        | 24 x 440g          |        |            |        |
| Whole Peeled Tomatoes                   | 24 x 820g          |        |            |        |
| Whole Peeled Tomatoes                   | _                  |        |            |        |
| Tomato Puree                            | 24 x 440g          |        |            |        |
| Tomato Puree                            | 24 x 820g          | 100.00 |            |        |
|   |                    |        |            |        |
|   |                    |        | RM         | Marg   |
|   |                    |        | Pkg Cost   | Profit |
|   |                    |        |            | 44.42  |
| Pineapple Juice                         | $24 \times 410g$   | 59.17  | 14.75      | 39.4   |
| Flavoured Jam                           | $24 \times 450g$   | 64.55  | 14.75+10.4 | 37.4   |
| • |                    |        |            |        |

# Theoretical Prices for Sachets

| Product                    | Mftg<br>Cost T | +20%<br>profit | +30 <b>%</b><br>Surtax | +20% retail<br>Profit |
|----------------------------|----------------|----------------|------------------------|-----------------------|
| Tomato sauce               | 23.6           | 28.32          | 36.82<br>32.29         | 44.18<br>38.75        |
| Tomato puree Flavoured Jam | 20.7<br>25.80  | 24.84<br>30.96 | 40.25                  | 48.30                 |

| RON |                      |           |             |             |             |           | < YEA       | RS>         |               |   |   |    |
|-----|----------------------|-----------|-------------|-------------|-------------|-----------|-------------|-------------|---------------|---|---|----|
| No. | ITEX                 | UNIT      | 1           | 2           | 3           | 4         | 5           | 6           | 7             | 8 | 9 | 10 |
| 1   | No of units started  | Cases     | 13,750      | 37,500      | 90,000      | 128,000   | 178,500     | 208,500     | 4 x 248,500   |   |   |    |
| 2   | Value per unit       | N. Kvacha | 60.12       | 58.74       | 55.76       | 53.61     | 50.13       | 45.75       | 4 x 42.9      |   |   |    |
| 3   | Direct Labour        | •         | 60,500      | 60,500      | 60,500      | 85,000    | 6 x 100,000 |             |               |   |   |    |
| 4   | Raw Materials        | •         | 296,800     | 663,400     | 1,571,280   | 2,171,090 | 2,945,540   | 3,123,590   | 4 x 3,360,990 |   |   |    |
| 5   | Packing Materials    | •         | 204,540     | 557,640     | 1,342,820   | 1,923,580 | 2,646,130   | 3,120,130   | 4 x 3,752,130 |   |   |    |
| 6   | Otilities            | •         | 26,000      | 30,000      | 40,000      | 50,000    | 60,000      | 80,000      | 4 x 95,000    |   |   |    |
| 7   | Maintenance          | •         | 12,000      | 150,000     | 45,000      | 60,000    | 80,000      | 5 x 100,000 |               |   |   |    |
| 8   | Consumables          | •         | 20,000      | 30,000      | 40,000      | 50,000    | 6 x 70,000  |             |               |   |   |    |
| 9   | Marketing            |           | 37,000      | 70,000      | 100,000     | 125,000   | 6 x 150,000 |             |               |   |   |    |
| 10  | Transport (Shipping) | •         | 100,000     | 150,000     | 200,000     | 250,000   | 6 x 300,000 |             |               |   |   |    |
| li  | l'ees .              | •         | 10 x 0      |             |             |           |             |             |               |   |   |    |
| 12  | Indirect Labour      | •         | 235,000     | 250,000     | 8 x 250,000 |           |             |             |               |   |   |    |
| 13  | O/Heads & Insurance  | •         | 10 x 40,000 |             |             |           |             |             |               |   |   |    |
| 14  | Reat                 | •         | 10 x 0      |             |             |           |             |             |               |   |   |    |
| 15  | Legal & Audit        | •         | 10 x 22,000 |             |             |           |             |             |               |   |   |    |
| 16  | fax Rate             | 1         | 10 x 45     | <del></del> |             |           |             |             |               | ) |   |    |
| 17  | Tax Loss Carry ?'wd  | Years     | 10 x 0      |             |             |           |             |             |               |   |   |    |
| 18  | Land                 | N. Kvacha | 10 x 0      |             |             |           |             |             |               |   |   |    |
| 19  | Buildings            |           | 10 x 0      |             |             |           |             |             |               |   |   |    |
| 20  | Plant                | •         | 10 x 0      |             |             |           |             |             |               |   |   |    |

# SUMMARY OF INPUT DATA FOR MICROMODELLER (File Reference: Cannery)

| RON |                      |           |           |         |       |             | < YEAI |         | -                               |       |   |    |
|-----|----------------------|-----------|-----------|---------|-------|-------------|--------|---------|---------------------------------|-------|---|----|
| No. | 1721                 | UNIT      | 1         | 2       | 3     | 4           | 5      | 6       | 7                               | 8     | 9 | 10 |
| 21  | Office Purn/Pittings | N.Rvacha  | 20,000    | 30,000  | 4 x 0 |             |        |         | 40,000                          | 3 x 0 |   |    |
| 22  | Vehicles             | •         | 270,000   | 150,000 | 3 x 0 | )           |        | 270,000 | 150,000                         | 3 x 0 |   |    |
| 23  | Pre-op Expenses      | •         | 50,000    |         |       |             |        |         |                                 |       |   |    |
| 24  | Buildings Dep Data   | 1 Rate    | 25,100    |         |       |             |        |         |                                 |       |   |    |
| 25  | Bldgs Cap All Data   | •         | 0         |         |       |             |        |         |                                 |       |   |    |
| 26  | Plant Dep Data       | •         | 10,100    |         |       |             |        |         | No. 140 410 410 410 410 410 410 |       |   |    |
| 27  | Plant Cap All Data   | •         | 0         |         |       | <del></del> |        |         |                                 |       |   |    |
| 28  | F & F Dep Data       | •         | 10,100    |         |       |             |        |         |                                 |       |   |    |
| 29  | F & F Cap All Data   | •         | 0         |         |       |             |        |         |                                 |       |   |    |
| 30  | Vehicle Dep Data     | •         | 5,100     |         | ·     |             |        |         |                                 |       |   |    |
| 11  | Vehicle Cap All Data | •         | 0         |         |       |             |        |         |                                 |       |   |    |
| 32  | Pre-op Exp Dep Data  | •         | 5,100     |         |       |             |        |         |                                 |       |   |    |
| 33  | P/O Exp Cap All Data | •         | 0         |         |       |             |        |         |                                 |       |   |    |
| 34  | Bquity/Cash Input    | M. Kvacha | 1,000,000 |         |       |             |        |         |                                 |       |   |    |
| 35  | Grant                | •         | 10 x 0    |         |       |             |        |         |                                 |       |   |    |
| 36  | Grant Dep Data       | •         |           |         |       |             |        |         |                                 |       |   |    |
| 37  | Loan 'A' Draw Down   | •         | 0         |         |       |             |        |         |                                 |       |   |    |
| 38  | Loan 'A' Repayments  | •         | 0         |         |       |             |        |         |                                 |       |   |    |
| 39  | Loan 'B' Draw Down   | •         | 0         |         |       |             |        |         |                                 |       |   |    |
| 40  | Loan 'B' Repayments  | •         | 0         |         |       |             |        |         |                                 |       |   |    |

SUMMARY OF INPUT DATA FOR MICROMODELLER (File Reference: Cannery)

SUMMARY OF INPUT DATA FOR MICROMODELLER (File Reference: Cannery)

| RON      | 1754                  | UNIT      | 1           | 2           | 3        | 4            | < YEA | RS><br>  6 | 7        | 8       | 9 | 10 |
|----------|-----------------------|-----------|-------------|-------------|----------|--------------|-------|------------|----------|---------|---|----|
| 41       | Loan 'C' Draw Down    | M. Rwacha | 0           |             |          | •            |       |            | <u> </u> |         | , |    |
| 42       | Loan 'C' Repayments   |           | 0           |             |          |              |       |            | <u> </u> |         |   |    |
| 43       | Interest rates        |           | 18,18,18,20 |             | <u> </u> |              |       |            |          | <b></b> |   |    |
| <br>  44 | Finished Goods Stocks | Months    | 10 x 6.0    |             |          | <del> </del> |       |            |          | ├<br>}  |   |    |
| 45       | Raw Material Stocks   | •         | 10 x 0.1    | <del></del> |          |              |       |            |          |         |   |    |
| 46       | Pkg Material Stocks   | •         | 10 x 4.0    |             |          |              |       |            |          |         |   |    |
| 47       | Consumables Stocks    |           | 10 x 2.0    | -           |          |              |       |            |          |         |   |    |
| 48       | Work in Progress      | •         | 10 x 0      |             |          |              |       |            |          |         |   |    |
| 49       | Debtors               | •         | 10 x 2      |             |          |              |       |            |          |         |   |    |
| 50       | Creditors             | •         | 10 x 0.5    |             |          |              |       |            |          |         |   |    |
| 51       | Discount Rate         | ł         | 5,10,15,20  |             |          |              |       |            |          |         |   |    |

# NOTES:

In depreciation: 1st Column : Life in Years

2nd Column : 100 - Straight Line

150 - 150% Declining 200 - Double Declining

3rd Column : Gives residual value as %age

Creditors and Debtors entered as months.

SUMMARY OF INPUT DATA FOR MICROMODELLER (File Reference: Mulanje)

| RON |                      |           | <u> </u>    |           |             |           | < YRAI      | K>          |               |   |   |    |
|-----|----------------------|-----------|-------------|-----------|-------------|-----------|-------------|-------------|---------------|---|---|----|
| No. | אמדו                 | UNIT      | 1           | 2         | 3           | 4         | 5           | 6           | 7             | 8 | 9 | 10 |
| 1   | No of units started  | Cases     | 13,750      | 37,500    | 90,000      | 128,000   | 178,500     | 208,500     | 4 x 248,500   |   |   |    |
| 2   | Value per unit       | N. Kwacha | 66.132      | 64.614    | 61.336      | 53.61     | 55.143      | 50.235      | 4 x 47.19     |   |   |    |
| 3   | Direct Labour        | •         | 60,500      | 60,500    | 60,500      | 85,000    | 6 x 100,000 |             | )             |   |   |    |
| 4   | Raw Materials        | •         | 296,800     | 663,400   | 1,57.,280   | 2,171,090 | 2,945,540   | 3,123,590   | 4 x 3,360,990 |   |   |    |
| 5   | Packing Materials    | •         | 204,540     | 557,640   | 1,342,820   | 1,923,580 | 2,646,130   | 3,120,130   | 4 x 3,752,130 |   |   |    |
| 6   | Utilities            | •         | 26,000      | 30,000    | 40,000      | 50,000    | 60,000      | 80,000      | 4 x 95,000    |   |   |    |
| 7   | Maintenance          | •         | 12,000      | 150,000   | 45,000      | 60,000    | 80,000      | 5 x 100,000 |               |   |   |    |
| 8   | Consumables          | •         | 20,000      | 30,000    | 40,000      | 50,000    | 6 x 70,000  |             |               |   |   |    |
| 9   | Marketing            | •         | 37,000      | 70,000    | 100,000     | 125,000   | 6 x 150,000 |             |               |   |   |    |
| 10  | Transport (Shipping) | •         | 100,000     | 150,000   | 200,000     | 250,000   | 6 x 300,000 |             |               |   |   |    |
| 11  | Pees                 |           | 10 x 0      |           |             |           |             |             |               |   |   |    |
| 12  | Indirect Labour      | •         | 235,000     | 250,000   | 8 x 250,000 |           |             |             |               |   |   |    |
| 13  | O/Heads & Insurance  | •         | 10 x 40,000 |           |             |           |             |             |               |   |   |    |
| 14  | Rent                 | •         | 10 x 0      |           |             |           |             |             |               |   |   |    |
| 15  | Legal & Audit        | •         | 10 x 22,000 |           |             |           |             |             |               |   |   |    |
| 16  | Tax Rate             | 1         | 10 x 45     |           |             |           |             |             |               |   |   |    |
| 17  | Tax Loss Carry F'wd  | Years     | 10 x 0      |           |             |           |             |             |               |   |   |    |
| 18  | iand                 | H. Kvacha | 10 x 0      |           |             |           |             |             |               |   |   |    |
| 19  | Buildings            | •         | 10 x 0      |           |             |           |             |             |               |   |   |    |
| 20  | Plant                | •         | 0           | 1,218,150 | 1,372,150   | 858,000   | 6 x 0       |             |               |   |   |    |

| ROW<br>No. | 1712)                | UNIT      | 1         | 2         | 3            |   | < YEAL   | RS>  <br>  6 | 7                                     | 8           | 9    | 10 |
|------------|----------------------|-----------|-----------|-----------|--------------|---|--|--------------|---------------------------------------|-------------|------|----|
| 21         | Office Furn/Fittings | M. Kwacha | 20,000    | 30,000    | 4 x 0        |   |  |              | 40,000                                | 3 x 0       |      | -  |
| 22         | Vehicles             | -         | 270,000   | 150,000   | 3 x 0        |   |  | 270,000      | 150,000                               | 3 x 0       |      |    |
| 23         | Pre-op Expenses      | •         | 50,000    |           |              |   |  |              |                                       | <del></del> |      |    |
| 24         | Buildings Dep Data   | t Rate    | 25,100    |           |              |   | <del> </del>                                     |              | ·                                     |             | <br> |    |
| 25         | Bldgs Cap All Data   | •         | 0         |           |              |   |  |              |                                       |             |      | -  |
| 26         | Plant Dep Data       | •         | 10,100    | )         |              | ) |  |              | · «2                                  |             |      |    |
| 27         | Plant Cap All Data   | •         | 0         |           |              | ) | <b></b>  |              |                                       |             | )    |    |
| 28         | P & F Dep Data       | •         | 10,100    |           |              |   | <del>                                     </del> |              | <del></del>                           |             |      |    |
| 29         | F & F Cap All Data   | •         | 0         |           |              |   |  |              |                                       | )           | )    |    |
| 30         | Vehicle Dep Data     | •         | 5,100     |           |              |   |  |              | ···································   |             |      |    |
| 31         | Vehicle Cap All Data | •         | 0         |           |              |   |  |              |                                       |             |      |    |
| 32         | Pre-op Exp Dep Data  | •         | 5,100     |           |              |   |  |              |                                       |             |      |    |
| 33         | P/O Exp Cap All Data | •         | 0         |           |              |   |  |              | · · · · · · · · · · · · · · · · · · · |             |      |    |
| и          | Equity/Cash Input    | M. Kvacha | 1,000,000 |           |              |   |  |              |                                       |             |      |    |
| 35         | Grant                | •         | 10 x 0    |           |              |   |  |              |                                       |             |      |    |
| 36         | Grant Dep Data       | •         | 0         |           |              |   |  |              |                                       |             |      |    |
| 27         | Loan 'A' Draw Down   | •         | 0         | 1,218,150 | 8 x 0        |   |  |              |                                       |             |      |    |
| 38         | Loan 'A' Repayments  | •         | 0         | 0         | 10 x 121,815 |   |  |              |                                       |             | )    |    |
| 39         | Loan 'B' Draw Down   | •         | 0         | 0         | 1,372,250    |   |  |              |                                       |             |      |    |
| 40         | Loan 'B' Repayments  | •         | 0         | 0         | 0            |   |  |              | — — <u></u>                           |             |      |    |

# SUMMARY OF INPUT DATA FOR MICROMODELLER (File Reference: Mulanje)

SUPPMARY OF INPUT DATA
(File Reference:

FOR MICROMODELLER Mulanje)

| RON<br>No. | 1753                  | UNIT      | 1           | 2 | 3 | 4   | < YEAI      | 85><br>6    | 7 | 8 | 9 | 10 |
|------------|-----------------------|-----------|-------------|---|---|-----|-------------|-------------|---|---|---|----|
| 41         | Loan 'C' Draw Down    | M. Kwacha | 0           | 0 | 0 | 858 | 6 x 0       |             |   |   |   |    |
| 42         | Loan 'C' Repayments   | •         | 0           | 0 | 0 | 0   | 10 x 85,800 |             |   |   |   |    |
| 43         | Interest rates        | 1         | 18,18,18,20 |   |   |     |             |             |   |   |   |    |
| 44         | Pinished Goods Stocks | Months    | 10 x 6.0    |   |   |     |             | <del></del> |   |   |   |    |
| 45         | Raw Material Stocks   | •         | 10 x 0.1    |   |   |     |             |             |   |   |   |    |
| 46         | Pkg Naterial Stocks   | •         | 10 x 4.0    |   |   |     |             |             |   |   |   |    |
| 47         | Consumables Stocks    | •         | 10 x 2.0    |   |   |     |             |             |   |   |   |    |
| 48         | Nork in Progress      | •         | 10 x 0      |   |   |     |             |             |   |   |   |    |
| 49         | Debtors               | •         | 10 x 2      |   |   |     |             |             |   |   |   |    |
| 50         | Creditors             | •         | 10 x 0.5    |   |   |     |             |             |   |   |   |    |
| 51         | Discount Rate         | 1         | 5,10,15,20  |   |   |     |             |             |   |   |   |    |

# NOTES:

In depreciation: 1st Column : Life in Years

2nd Column : 100 - Straight Line

150 - 150% Declining 200 - Double Declining

3rd Column : Gives residual value as %age

Creditors and Debtors entered as months.

BATE: DECEMBER 2nd. 1991.

VIRSION REF:OVERHELD RECOVERY.

CAST: MILLIE CAMERY.

DUITS OF PRODUCTION - 24 I 410 GRM CASS / CASE.

CORRESCY - MALANI KWACHA I 1,000

DATA SUMMARY

PAGE 1 OF 2

|                              | <b>TR</b> 1 | TR 2 | TR 3   | TR 4   | TR 5   | TR 6  | <b>TR</b> 7 | YR 8   | YR 9   | YR 10   |
|------------------------------|-------------|------|--------|--------|--------|-------|-------------|--------|--------|---------|
| PROPIT AND LOSS ACCOUNT BATA |             |      |        |        |        |       |             |        |        |         |
| BO. OF UNITS PRODUCED        | 14          | 38   | 31     | 128    | 179    | 289   | 249         | 249    | 249    | 249     |
| STILLING PRICE PER WEIT      |             |      | 55.768 | 53.610 | 50.130 |       | 42.500      | 42.900 | 42.500 | •42.900 |
| DIRECT LABOUR COST           | 61          | 61   | 61     | 85     | 100    | 100   | 100         | 100    | 100    | 100     |
| RAW MATERIAL USED            | 297         | 663  | 1,571  | 2,171  | 2,946  | 3,124 | 3,361       | 3,361  | 3,361  | 3,361   |
| PACKING MATL USED            | 205         | 558  | 1,343  | 1,924  | 2,646  | 3,120 | 3,752       | 3,752  | 3,752  | 3,752   |
| STILITIES USED               | 26          | 38   | 40     | 50     | 60     | 11    | 95          | 95     | 95     | 95      |
| COST OF MAINTENANCE          | 12          | 150  | 45     | 60     | 16     | 100   | 186         | 100    | 100    | 160     |
| CONSUMABLES USED             | 20          | 30   | 48     | 50     | 78     | 78    | 78          | 70     | 70     | 70      |
| MARKETING COSTS              | 37          | 76   | 100    | 125    | 150    | 150   | 150         |        |        | 150     |
| TRANSPORT COST               | 100         | 150  | 200    | 250    | 300    | 380   | 300         | 300    | 300    | 300     |
| INDIRECT LAB. COST           | 235         | 250  | 25J    | 250    | 250    | 258   | 250         | 250    | 250    | 250     |
| O/E & IES COST               | 40          | 48   | 40     | 40     | 48     | 48    | 40          |        | 41     | 41      |
| LEGAL & AUDIT COSTS          | 22          | 22   | 22     | 22     | 22     | 22    | 22          | 22     | 22     | 22      |
| TAI OF SET PROPIT &          | 45          | 45   | 45     | 45     | 45     | 45    | 45          | 45     | 45     | 45      |
| CAPITAL EXPENDITURE DATA     |             |      |        |        |        |       |             |        |        |         |
| COST OF FURN & FIT           | 26          | 30   | -      | -      | -      | -     | 40          |        | -      | •       |
| COST OF VERICLES             | 270         | 150  | -      | •      | -      | 278   | 150         | -      | •      | -       |
| PREOPERATING EXP             | 50          | •    | •      | -      | •      | -     | -           | -      | -      | -       |
| DEPRECIATION RATES           |             |      |        |        |        |       |             |        |        |         |
| BUILDINGS (ACCOUNTING)       | 25          | 100  |        |        |        |       |             |        |        |         |
| BUILDINGS (CAP ALL)          | 25          |      |        |        |        |       |             |        |        |         |
| PLANT (ACCOUNTING)           | 16          | -    |        |        |        |       |             |        |        |         |
| PLANT (CAP ALL)              | 10          |      |        |        |        |       |             |        |        |         |
| F & F (ACCOUNTING)           | 16          |      |        |        |        |       |             |        |        |         |
| F & F (CAP ALL)              | 10          |      |        |        |        |       |             |        |        |         |
| VERICLES (ACCOUNTING)        | 5           |      |        |        |        |       |             |        |        |         |
| VEHICLES (CAP ALL)           | 5           | 190  |        |        |        |       |             |        |        |         |
| PREOP. EXP (ACCOUNTING)      | 5           |      |        |        |        |       |             |        |        |         |
| PREOP. EXP (CAP ALL)         | 5           | 100  | i      |        |        |       |             |        |        |         |

MOTE: PIRST COLUMN GIVES LIFE IN TRARS

==== SECOND INDICATES NETHOD - 100 = STRAIGHT LINE

150 = 150% DECLINING BALANCE 200 = DOUBLE DECLINING BALANCE

THIRD COLUMN GIVES RESIDUAL VALUE AS PER CENTAGE

TENTE COLUMN GIVES ADDITIONAL INITIAL CAPITAL ALLOWANCE OR ACCELERATED DEPRECIATION IN FIRST YEAR OF ASSET LIFE

# DATA SUMMARY CONTINUED

PAGE 2 OF 2

| FINANCE SOURCES               |       |       |       |       |      |      |      |      |      |      |
|-------------------------------|-------|-------|-------|-------|------|------|------|------|------|------|
| EQUITY INJECTIONS             | 1.006 | •     | -     | •     | -    | -    | -    | -    | •    | •    |
| LOAN A INT. 8                 | 18.00 |       |       |       |      |      |      |      |      |      |
| LOAN B INT. &                 | 18.00 |       |       |       |      |      |      |      |      |      |
| LOAM C INT. 8                 | 18.00 |       |       |       |      |      |      |      |      |      |
| OVERDRAFT INT. 3              | 28.00 |       |       |       |      |      |      |      |      |      |
| STOCES (ALL IN HOUTES)        |       |       |       |       |      |      |      |      |      |      |
| PINISHED GOODS STOCK          | 6.88  | 6.11  | 6.00  | 6.11  | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 |
| RAW MATERIALS STOCK           | 1.10  | 0.10  | 0.10  | 8.18  | 8.18 | 8.18 | 8.10 | 0.10 | 0.10 | 8.10 |
| PACIFIE HATLS STOCK           | 4.00  | 4.00  | 4.68  | 4.00  | 4.88 | 4.00 | 4.86 | 4.00 | 4.00 | 4.00 |
| CONSUMABLES STOCK             | 2.88  | 2.00  | 2.00  | 2.00  | 2.88 | 2.00 | 2.00 | 2.80 | 2.00 | 2.00 |
| WORL IN PROGRESS              | •     | -     | -     | •     | -    | -    | -    | -    | •    | -    |
| CREDITORS AND DESTORS FALL II |       |       |       |       |      |      |      |      |      |      |
| DERTORS                       | 2.00  | 2.00  | 2.00  | 2.00  | 2.00 | 2.00 | 2.00 | 2.00 |      | 2.00 |
| CREDITORS                     | 0.50  | 1.51  | 8.58  | 8.58  | 0.50 | 8.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISCOURTED CASE FLOW DATA     |       |       |       |       |      |      |      |      |      |      |
| DISCOURT RATES \$             | 5.00  | 10.00 | 15.06 | 20.00 | -    | -    | -    | -    | -    | -    |

VERSION REF: OVERHEAD RECOVERY.

CASE: MULAUJE CAMERY.

UNITS OF PRODUCTION - 24 I 410 GRM CAMS / CASE.

CHROTECT - MALANI KWACEA I 1.000

| CURRENCY - NALAWI KWACHA I 1,000                  |              | H                  | PRECIATI    | ON SCREE | OLZ           |               |                   |        |        |        |
|---|--------------|--------------------|-------------|----------|---------------|---------------|-------------------|--------|--------|--------|
|   | TR 1         | TR 2               | <b>TR</b> 3 | YR 4     | TR 5          | YR 6          | YR 7              | TR &   | TR 9   | YR 10  |
| LAND & BUILDINGS                                  |              |                    |             |          |               |               |                   |        |        |        |
| LAND AT COST                                      |              |                    |             |          |               |               |                   |        |        |        |
| BUILDINGS AT COST                                 |              |                    |             |          |               |               |                   |        |        |        |
| DEPRECIATION CAPITAL ALLOWANCE                    |              |                    |             |          |               |               |                   |        |        |        |
| PLANT AND MACHINERY                               |              |                    |             |          |               |               |                   |        |        |        |
|   |              |                    |             |          |               |               |                   |        |        |        |
| PLANT & MACHINERY AT COST DEPRECIATION            |              |                    |             |          |               |               |                   |        |        |        |
| CAPITAL ALLOWANCE                                 |              |                    |             |          |               |               |                   |        |        |        |
| FURNISHINGS AND PITTINGS                          |              |                    |             |          |               |               |                   |        |        |        |
| PAP AT COST                                       | 20           | 30                 |             |          |               |               | 40                | _      | _      | _      |
| DEPRECIATION                                      | 2            | 5                  | 5           | 5        | 5             | <b>S</b><br>5 | 9                 | 9      | ,      | •      |
| CAPITAL ALLOWANCE                                 | 2            | 5                  | 5           | 5        | 5             | )             | 7                 | ,      | ,      | ,      |
| NOTOR VEHICLES                                    |              |                    |             |          |               |               |                   |        |        |        |
| VEHICLE PURCHASE AT COST                          | 270          | 150                |             |          | •             | 270           | 15 <b>0</b><br>84 | 84     | 84     | 84     |
| DEPRECIATION                                      | 54           | 84                 | 84<br>84    | 84<br>84 | 84<br>84      | 84<br>84      | 84                | 14     | 84     | 84     |
| CAPITAL ALLOWANCE                                 | 54           | 14                 |             |          |               |               |                   | ••••   |        |        |
| PIXED ASSETS PURCHASED                            | 290          | 188                |             |          |               | 270           | 190               |        |        |        |
| TOTAL DEPRECIATION                                | 56           | 89                 | 89          | 15       | 89            | 89            | 93                | 93     | 93     | 93     |
| TOTAL CAPITAL ALLOWANCE                           | 56           | 13                 | 19          | 15       | 85            | 15            | 93                | 93     | 53     | 93     |
|   |              | 476                | 470         | 478      | 470           | 740           | 930               | 930    | 930    | 930    |
| ACCUMULATED FIXED ASSETS ACCUMULATED DEPRECIATION | 290<br>56    | 47 <b>6</b><br>145 | 234         | 323      | 412           | 501           | 594               | 687    | 780    | 173    |
| VCCOMORMED DELEGEMENTOS                           | •••••        | •••••              |             |          |               |               | 336               | 243    | 150    | 57     |
| BOOK VALUE OF ASSETS                              | 234          | 325                | 236         | 147      | 51            | 239           | 222222            |        | 222233 |        |
| PREOPERATING EXPENSES                             |              |                    |             |          |               |               |                   |        |        |        |
| PREOPERATING EXPENSES                             | 50           |                    |             |          |               |               |                   |        |        |        |
| INTEREST DURING CONSTRUCTION                      |              |                    |             |          |               | *****         |                   |        |        |        |
| TOTAL PREOP. EXP                                  | 50           |                    |             |          |               |               |                   |        |        |        |
| AMORTISATION (ACCTUG)                             | 10           | 16                 | 10          | 10<br>18 | 10<br>10      |               |                   |        |        |        |
| CAPITAL ALLOWANCE                                 | 10<br>====== | 18                 | 18          | _        | *******<br>10 | ======        | 121223            | ****** | 525225 | :::::: |
| BOOL VALUE  | 40           | 30                 | 20          | 10       |               |               |                   |        | 22222  | 227777 |
|   | 212232       | 11111              | 21 EEEE     | min      |               |               |                   |        |        |        |

CASE: NULABJE CANTERY.

### VERSION REF: OVERHEAD RECOVERY.

CURRENCY - NALAWI INACEA I 1.000

UNITS OF PRODUCTION - 24 X 410 GRM CARS / CASE.

| CURRENCY - NALAWI IVACIA I 1.000     |          |           | STO         | CI REPO     | RT          |             |             |             |             |             |
|--------------------------------------|----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| PRODUCTION UNITS                     | YR 1     | YR 2      | YR 3        | YR 4        | TR 5        | YR 6        | YR 7        | YR 8        | YR 9        | YR 10       |
| ********                             |          |           |             |             |             |             |             |             |             |             |
| UNITS PRODUCED (INCLUDES INCOMPLETE) | 14       | 38        | 90          | 128         | 179         | 209         | 249         | 249         | 245         | 249         |
| FINISHED GOODS : OPEN CLOSE          | 7        | 7<br>19   | 19<br>45    | 45<br>64    | 64<br>89    | 89<br>104   | 104<br>124  | 124<br>124  | 124<br>124  | · 124       |
| CRANGE                               | 1        | 12        | 26          | 19          | 25          | 15          | 20          |             | •           | ••••••      |
| WORK IN PROGRESS: OPEN               | •••••    | •••••     | ******      |             | ******      |             | ••••        | •••••       |             | •••••       |
| CLOSE                                | •        | -         | -           | •           | -           | •           | •           | -           | -           | •           |
| CRANGE                               | -        | -         | -           | •           | -           | •           | •           | •           | -           | -           |
| UBITS SOLD                           | 1        | 26        | 64          | 109         | 153         | 194         | 229         | 249         | 249         | 249         |
| STOCE VALUES                         |          |           |             | 551430      |             |             |             |             |             |             |
| PINISHED GOODS                       |          |           |             |             |             |             |             |             |             |             |
| OPENING STOCK                        | -        | 310       | 746         | 1.550       | 2.170       | 2.951       | 3.297       | 3.739       | 3.739       | 3.739       |
| CLOSING STOCK                        | 310      | 746       | 1.550       | 2.170       | 2.951       | 3.297       | 3.739       | 3.739       | 3.739       | 3.739       |
| STOCK CHANGE                         | 310      | 436       | 104         | 620         | 781         | 346         | 442         | -           |             |             |
| WORK IN PROGRESS                     |          |           |             |             |             |             |             |             |             |             |
| OPENING STOCK                        | -        | •         | •           | -           | -           | -           | -           | -           | -           | •           |
| CLOSING STOCK                        | •        | -         | -           | •           | •           | •           | •           | •           | •           | -           |
| CHANGE IN W.I.P.                     |          |           | •           | •           |             |             |             | -           |             |             |
| RAW MATERIALS                        |          |           |             |             |             |             | *****       |             |             |             |
| OPENING STOCK                        | -        | 6         | 13          | 18          | 25          | 26          | 28          | 28          | 28          | 28          |
| RAW MATERIALS PURCHASED              | 302      | 671       | 1.576       | 2.178       | 2.947       | 3.126       | 3.361       | 3.361       | 3.361       | 3.361       |
| RAW MATERIALS USED<br>CLOSING STOCK  | 297<br>6 | 663<br>13 | 1.571<br>18 | 2.171<br>25 | 2.946<br>26 | 3.124<br>28 | 3.361<br>28 | 3.361<br>28 | 3.361<br>28 | 3.361<br>28 |
| STOCK CHANGE                         | 6        | 1         | 5           | 6           | 1           | 2           |             |             | •           |             |
| PACKING MATERIAL                     | ======   |           | ======      | ======      | ======      |             | ======      | ======      | =====       | ======      |
| OPENING STOCK                        | _        | 186       | 448         | 641         | 112         | 1.040       | 1.251       | 1.251       | 1.251       | 1.251       |
| PACKING MATERIALS PURCHASED          | 390      | 819       | 1.536       | 2.164       | 2.894       | 3.331       | 3.752       | 3.752       | 3.752       | 3.752       |
| PACKAGING MATERIALS USED             | 205      | 558       | 1.343       | 1.924       | 2.646       | 3.120       | 3.752       | 3.752       | 3.752       | 3.752       |
| CLOSING STOCK                        | 186      | 448       | 641         | 882         | 1.040       | 1.251       | 1.251       | 1.251       | 1.251       | 1.251       |
| CTOCE CHANCE                         | 196      | 363       | 301         | 241         | 159         | 211         |             | -           |             |             |
| CURCUMPBLAC                          |          | ******    | ******      | *****       | ******      | *****       | *****       | = 7 7 7 7 7 | ******      |             |
| ODENIEC CTOCE                        | •        | 5         | 7           | •           | 12          | 12          | 12          | 12          | 12          | 12          |
| CONCUMPRIES DUDCATCE                 | 25       | 32        | 42          | 53          | 70          | 70          | 70          | 70          | 70          | 20          |
| CURCHAPBLAC HCAU                     | 3ů       | 20        | 4ù          | 50          | 70          | 70          | 70          | 70          | 70          | Τņ          |
| CINCING CHOCK                        |          | 1         | •           | 12          | 12          | 12          | 12          | 12          | 11          | 12          |
| CAUCA CEFACE                         |          | ?         | 2           | ?           |             |             |             | -           |             |             |
|                                      |          |           |             |             |             |             |             |             |             |             |

| DATE: DECEMBER 2nd. 1991.        |        |        |       |          | VERS   | ION REF  | OVERNEAL | RECOVER  | Y.     |              |
|----------------------------------|--------|--------|-------|----------|--------|----------|----------|----------|--------|--------------|
| CASE: HULANJE CANNERY.           |        |        |       |          | UNIT   | S OF PRO | DUCTION  | - 24 X 4 | 10 GRM | CAMS / CASE. |
| CURRENCY - WALAWI KWACKA X 1,000 |        |        | LOAN  | SCHEDULI |        |          |          |          |        |              |
|                                  | YR 1   | YR 2   | YR 3  | YR 4     | YR 5   | YR 6     | YR 7     | YR 8     | YR 9   | YR 10        |
| LOAN A                           |        |        |       |          |        |          |          |          |        |              |
|                                  |        | •••••  |       |          | •••••  |          |          | •••••    | •••••  |              |
|                                  | ****** | ====== |       | ======   | ====== |          | ======   | ======   | ====== | ======       |
|                                  |        |        |       |          |        |          |          |          |        |              |
| LOAN B                           |        |        |       |          |        |          |          |          |        |              |
|                                  |        |        |       |          |        |          |          |          |        |              |
|                                  |        |        | ***** | ******   |        | ======   | =====    | =====    |        | =====        |
|                                  |        |        |       |          |        |          |          |          |        |              |
| LOAN C                           |        |        |       |          |        |          |          |          |        |              |
| •••••                            |        |        |       | *****    |        |          |          | ••••     | ••••   |              |
|                                  |        |        |       |          |        |          |          |          |        |              |

# VERSION REF:OVERNEAD RECOVERY.

CASE: NULANJE CANNERY.

UNITS OF PRODUCTION - 24 X 410 GRM CAMS / CASE.

CURRENCY - MALAWI KWACHA X 1,000

| PROFIT AND LOSS ACCO | NIT: | 5 |
|----------------------|------|---|
|----------------------|------|---|

|   |                                    | PROFIT                              | AND LOS                                | S ACCOUR                                      | 175                               |  |  |  |  |  |
|---|------------------------------------|-------------------------------------|--|---|-----------------------------------|--|--|--|--|--|
|   | YR 1                               | YR 2                                | TR 3                                   | YR 4  | YR 5                              | YR 6                                     | TR 7                                     | YR 8                                     | YR 9                                     | YR 10                                    |
| UNITS PRODUCED REVENUE  | 14                                 | 38                                  | 90                                     | 128   | 179                               | 209                                      | 249                                      | 249                                      | 249                                      | 249                                      |
| INCOME FROM SALES   | 413                                | ••••                                | 3.555                                  | 5.843<br>==================================== | 7,612                             | 8,853<br>                                | -  | 10,661<br>======                         | 10.661<br>======                         | 10,661<br>=====                          |
| EXPENDITURE   |                                    |                                     |  |   |                                   |  |  |  |  |  |
| DIRECT COSTS  DIRECT LABOUR & SUFERVISION RAW MATERIALS PACKING MATERIALS UTILITIES MAINTENANCE OTHER CONSUMABLES | 61<br>297<br>205<br>26<br>12<br>20 | 61<br>663<br>558<br>30<br>150<br>30 | 61<br>1.571<br>1.343<br>40<br>45<br>40 | 85<br>2.171<br>1.924<br>50<br>60<br>50        | 100<br>2.946<br>2.646<br>60<br>80 | 100<br>3.124<br>3.120<br>80<br>100<br>70 | 100<br>3.361<br>3.752<br>95<br>100<br>70 | 100<br>3.361<br>3.752<br>95<br>100<br>70 | 100<br>3.361<br>3.752<br>95<br>100<br>70 | 100<br>3.361<br>1.752<br>95<br>100<br>70 |
| COST OF PRODUCTION CHANGE STOCK FIN GOODS COST OF SALES   | 620<br>310<br>310                  | 1.492<br>436<br>1.056               | 3.100<br>804<br>2.296                  | 4.340<br>620<br>3.720                         | 5.902<br>781<br>5.121             | 6.594<br>346<br>6.248                    | 7.478<br>442<br>7.036                    | 7.478                                    | 7.478                                    | 7.478                                    |
| GROSS PROFIT  | 103                                | 450                                 | 1.259                                  | 2.124   | 2.562                             | 2.605                                    | 2.167                                    | 3.183                                    | 3.183                                    | 3.183                                    |
| MARKETING COSTS TRANSPORT COSTS   | 37<br>106                          | 76<br>150                           | 100<br>200                             | 125<br>250                                    | 150                               | 150<br>300                               | 150<br>300                               | 300<br>320                               | 150<br>300                               | 150<br>150                               |
| SPILING COSTS   | 137                                | 220                                 | 300                                    | 375   | 450                               | 450                                      | 450                                      | 450                                      | 450                                      | 456                                      |
| TRADING DROFTT  | [34]                               | 230                                 | 959                                    | 1.749   | 2.112                             | 2.155                                    | 2.317                                    | 2.733                                    | 2.733                                    | 2.733                                    |
| INDIRECT COSTS  INDIRECT LARGUE & SUPPREVISION OVERHEADS & INSURANCE LEGAL & AUDIT FEES                           | 235<br>49<br>22                    | 250<br>46<br>22                     | 250<br>40<br>22                        | 250<br>40<br>22                               | 25 <u>0</u><br>4 <u>0</u><br>22   | 250<br>46<br>22                          | 250<br>40<br>22                          | 250<br>40<br>22                          | 49<br>22                                 | 256<br>40<br>22                          |
| TOTAL OPERATING EXPENSES OPERATING PROPER   | 297<br>(331)                       | 312<br>(82)                         | 312<br>647                             | 312<br>1.437                                  | 312                               | 312<br>1.843                             | 312<br>2.005                             |  |  | 312<br>2.421                             |
| OTHER EXPENSES INTEREST ON OVERDRAFT DEPRECIATION AMORTISATION DREODERATING EXP.                                  | 52<br>56<br>10                     |                                     | 585<br>89<br>10                        | 67 <u>1</u><br>89<br>10                       |                                   | iè                                       |  | •  | 93                                       | 93                                       |
| TOTAL OTHER PERCES  | 119                                | iiū                                 | éši                                    | 770   | 753                               |  |  |  |  |  |
| PROFIT REFORE TARAFTOR  | 1445                               | ; ;577)                             | 137                                    | 1 667   | 1.017                             | 1.035                                    | 1.207                                    |  | 1 1,161                                  |  |

CASE: MULANJE CANTERY.

VERSION REP: OVERHEAD RECOVERY.

UNITS OF PRODUCTION - 24 X 410 GRM CAMS / CASE.

CURRENCY - MALAVI KWACHA I 1.000

TAX CALCULATION

|      |  | TR 1     | YR 2     | YR 3     | TR 4                                   | TR 5     | TR 6          | TR 7      | YR 8      | YR 9      | YR 10 |
|------|--|----------|----------|----------|--|----------|---------------|-----------|-----------|-----------|-------|
|      | PROFIT BEFORE TAX                                    | (448)    | (523)    | (37)     | 667                                    | 1.017    | 1.035         | 1.207     | 1.881     | 2.162     | 2.328 |
|      | ITEMS DISALLOWED DEPRECIATION PREOP EXP AMORTISATION | 56<br>10 | 89<br>10 | 89<br>10 | 89<br>10                               | 89<br>10 | 89            | 93        | 93        | 93        | 93    |
|      | COB-TOTA:  | (382)    | (424)    | 62       | 395                                    | 1.114    | 1.124         | 1.300     | 1.074     | 2.255     | 2.421 |
| TESS | ON DEADLY FAITURECEC                                 | 10<br>26 | 29       | 89<br>10 | 10<br>10                               | 99<br>16 |               | 93        | 93        | 93        | 93    |
|      | PBAFIT   | (448)    | !523!    | (37)     | <b>66</b> ?                            | 1.017    | 1.035         | 1.207     | 1.881     | 2.162     | 2.329 |
|      | TUCC CIDDLED SUDMIDU                                 | -        | -        | -        | (667)                                  | (340)    | •             | -         | -         | -         | -     |
|      | +141DLE DDUBLE                                       | (449)    | (523)    | (37)     | -                                      | 676      | 1.035         | 1.207     | 1.991     | 2.162     | 2.328 |
| *11  | 717 D19F 9   | 45       | 45       | 45       | 45<br>-                                | <br>15   | <br>iee<br>ie | 45<br>543 | 45<br>446 | 45<br>973 | 1.047 |
|      | DOUGHT FEARD ANA                                     | (445)    | (523)    | (37)     | 66?                                    | 717      | 569           | 561       | 1,834     | 1.189     | 1.285 |
|      | PIERL DOUBLA   | (445)    | 1573)    | 1371     | ###################################### | 113      | 269<br>200    | ******    | 1.034     | 1.186     | 1.280 |

VERSION REF: OVERHEAD RECOVERY.

CASE: HOLANJE CANNERY.

OWITS OF PRODUCTION - 24 X 410 GRM CAMS / CASE.

CURRENCY - MALAWI KWACHA I 1,000

SOURCE AND APPLICATION OF PUNDS

|  | TR 1           | YR 2   | YR 3      | YR 4            | YR 5     | TR 6    | YR 7    | YR 8                                | YR 5         | YR 10        |
|--|----------------|--|-----------|-----------------|----------|---------|---------|-------------------------------------|--------------|--------------|
| SOURCES OF FUNDS   |                |  |           |                 |          |         |         |                                     |              |              |
| ISSUE OF SHARES  | 1.000          | •  | -         | -               | •        | -       | •       | •                                   | -            | -            |
| GENERATED BY OPERATIONS: PROFIT BEFORE TAX   | (448)          | (523)  | (37)      | 667             | 1.017    | 1.035   | 1.207   | 1.881                               | 2.162        | 2.328        |
| ADD BACK: HON-CASE ITEMS AMORTISATION OF PREOP EXPS DEPRECIATION   | 10<br>56       | 10<br>89                                     | 10<br>89  | 16<br><b>89</b> | 10<br>89 | 89      | 93      | 93                                  | 93           | 93           |
| TOTAL SOURCE OF FUNDS  | 618            | (424)<br>=================================== | <b>62</b> | 766             | 1.116    | 1.124   | 1.300   | 1.974                               | 2.255        | 2.421        |
| PROFICELION OF LINES   |                |  |           |                 |          |         |         |                                     |              |              |
| DURCHASE OF F.A  | 296            | 190  | -         | -               | -        | 276     | 196     | -                                   | -            | -            |
| PREPRODUCTION EXPRESES   | 56             | -  | -         | -               | -        | •       | -       | -                                   | -            | -            |
| <u> PAYATION</u>   | •              | _  | -         | -               | •        | 394     | 466     | 543                                 | 146          | <b>9</b> 73  |
| TOTAL ADDITIONATIONS   | 340            | 160  |           | -               | -        | 574     | 656     | 543                                 | 146          | 573          |
| CHANGES IN MORTING CAPITAL   |                |  |           |                 |          |         |         |                                     |              |              |
| STATES-DAY WATS  | į.             | ŧ  | 5         | É               | 1        | 2       | •       | •                                   | -            | -            |
| PACIFIE WATS   | 186            | 262  | 194       | 24 <u>1</u>     | 158      | 211     | -       | -                                   | -            | -            |
| CONCURRATES  | 5              | <u>?</u>                                     | 2         | 3 -             | -        | -       | •       | -                                   | -            | •            |
| PROPERTY OF THE PROPERTY OF TH | 310            | 436  | 504       | 620             | 781      | 346     | 442     | -                                   | -            | -            |
| DERFORS  |                | 182  | 342       | 381             | 366      | 195     | 15#     | 143                                 |              | -            |
| <u>C/70711</u>   | 575            | 119  | 1.346     | 1.252           | 1.247    | 754     | 601     | 143                                 | -            | -            |
| CARDITORS  | 45             | 43   | 67        | 56              | 64       | 31      | 28      | -                                   | -            | -            |
| CELNGE IN W/CAS  | 535            | 846  | 1.278     | 1.156           | 1.183    | 723     | 573     | 143                                 |              | -            |
| FIERE TOTAL ADPLICATIONS   | 875            | 1.026  | 1.278     | 1.196           | 1.163    | 1.297   | 1.22#   | <br>::::::::::::::::::::::::::::::: | 946<br>22222 | 97]<br>===== |
| CINCE RAKE   | 19881          | 11 7671                                      | 17.9231   | (3.354)         | 13.4211  | (3.594) | 13.522) | 12.2351                             | (826)        | 522          |
| OPEN RINT  | -              | (258)  | (1.767)   | (2.923)         | (3.354)  | (3.421) | 13.594) | (3.522)                             | (2.235)      | (826)        |
| CEANGE IN DAME   | :25#;<br>:25#; | (1.455)                                      | 11.2161   | (436)           | (68)     | (173)   | 72      | 1.267                               | 1.409        | 1.447        |
| APPLICATION + CENG DAME  | 615            | :424)  | 62        | 766             | 1.116    | 1.124   | 1.300   | 1.974                               | 2.255        | 2.421        |

CASE: MULABJE CAMMERY.

### VESTOR REF: OVERTEAD RECOVERY.

SWITS OF PRODUCTION - 24 X 410 GRM CAMS / CASE.

CURRENCY - MALANI KWACHA I 1.000

BALANCE SHEET

| SETS   | YR 1               | YR 2                    | YR 3      | YR 4           | Yk 5       | YR 6                 | YR 7       | YR 8        | YR 5           | YR 10        |
|--|--------------------|-------------------------|-----------|----------------|------------|----------------------|------------|-------------|----------------|--------------|
| ••••   |                    |                         |           |                |            |                      |            |             |                |              |
| PIXED ASSETS AT BOOK VALUE<br>PREPROM INVSTMET (BE VALUE)  | 234<br>40          | 325<br>30               | 236<br>20 | 147<br>10      | 5E<br>-    | 239                  | 336        | 243<br>-    | 15û<br>-       | 57           |
| TOTAL TERM ASSETS  | 274                | 355                     | 256       | 157            | 39         | 235                  | 336        | 243         | 150            | 57           |
| RRENT ASSETS   |                    | •••••                   | *****     |                | ******     |                      | *****      |             |                |              |
| STOCE OF: DAY MATERIALS  | 6                  | 13                      | 18        | 25             | 26         | 28                   | 28         | 25          | 25             | 29           |
| PACEAGING MATS   | 186                | 448                     | 641       | 882            | 1.648      | 1.251                | 1.251      | 1.251       | 1.251          | 1.25         |
| CONCLINATION   | 5                  | 7                       | £         | 12             |            | 12                   | 12         | 12          | 12             | Ĭ,           |
| Mib  | -                  | •                       | -         | •              | ••         |                      | ••         | ••          | •              | •            |
| AIRICAED COODS   | 310                | 746                     | 1.550     | 2.176          | 2,951      | 3.297                | 3.739      | 3.739       | 3.739          | 3.739        |
| DEBLODC  | 69                 | 351                     | 597       | 974            | 1,754      | 1.475                | 1.634      | 1.777       | 1.777          | 1.77         |
| CASE AT BASE   | •                  | -                       | •         | •              | •          | •                    | •          | -           | •              | 623          |
| TOTAL CURRENT ASSETS   | 575                | 1.464                   | 2.810     | 4.062          | 5.369      | 5.063                | 6.663      | 6.806       | 6.806          | 7.42         |
|  |                    |                         |           |                |            |                      |            |             |                |              |
| COPY TIRTITE   | 150                |                         |           |                |            |                      |            |             |                |              |
| OVERDELET  | 258                | 1.707                   | 2.923     | 3.354          | 3.421      | 3.594                | 3.522      | 2.235       | \$26           |              |
| CREDITORS<br>TAY   | 40                 | 63<br>-                 | 150       | 206            | 276<br>364 | 38]<br>466           | 329<br>543 | 329<br>846  | 329<br>973     | 321<br>1.041 |
| TOTAL CHEDENT LYARTLITIES  | 297                | 1.790                   | 3.673     | 3.559          | 3.555      | 4.301                | 4.394      | 3.410       | 2.127          | 1.379        |
|  |                    |                         |           |                |            |                      |            |             |                |              |
| mer industry locate  | 275                | 1376)                   | 17581     | 503            | 1 314      | 1 762                | 7 760      | 1 157       | 4 575          | 5 65         |
|  | *****              | ******                  | *****     | ******         |            |                      |            |             | *****          | 22222        |
| #AFIT 1000FF   | ##5                | 29                      | : 5 :     | ***            | : :72      | 1 541                | 1 :::      | 3 545       | 4 525          | 1 10         |
|  | ******             | ******                  | ******    | ******         | *****      | ******               | ******     | *****       | =====          | *****        |
| 101114101  |                    |                         |           |                |            |                      |            |             |                |              |
| •  |                    |                         |           |                |            |                      |            |             |                |              |
| THE TOTAL  |                    |                         |           |                |            |                      |            |             |                |              |
|  | •••••              |                         |           |                |            |                      | •••••      |             |                |              |
|  | *****              |                         |           |                |            |                      |            |             |                |              |
| CENDE (NOTEN:  | : 666              | ; 664                   | : 444     |                | 1 111      | : 444                | : 000      | 1 666       | ; 444          | ; 66         |
| DECEDUE  | • • • • •          | 1 000<br>197 <u>1</u> - | 1 000     | 1 000<br>13401 |            | : 000<br>241         |            | 2 646       | 1 000<br>1 679 |              |
| TATAL CHANGEMENT TO THE TOTAL  | 1 4 4 9 1<br>4 4 7 |                         |           |                |            | 94 <u>1</u><br>: 241 | 1.605      |             |                | • 16°        |
| THE STATE OF THE S | 553                | 39                      | • • •     |                |            | 3 941                | 2 495      | 3 645       | 4 529          | • 10         |
| FAFAT TIBETTITIES  | 111                | 722727                  | ,,,       | *****          | 1 111      | : 64;                | 222222     | ======<br>; | 4 170          | 22022        |
| 1771-01 110-011-11-15  | 44.                |                         | , ,, ,    |                |            | 781                  | 7 685      | * 45%       |                | 4 16         |

# VERSION REF: OVERHEAD RECOVERY.

CASE: NULAMIE CANNERY.

BEITS OF PRODUCTION - 24 I 410 GRM CARS / CASE.

CURRENCY - MALAVI EVACUA I 1.000

| PRELICI - MALASI KEACEA A 1.880        |                |                 | TABLE 0 | F RATIOS       | ;       |       |         |        |        |               |
|--|----------------|-----------------|---------|----------------|---------|-------|---------|--------|--------|---------------|
|  | TR 1           | TR 2            | YR 3    | TR 4           | TR 5    | TR 6  | TR 7    | TR \$  | TR 5   | TR 10         |
| ROFIT AND LOSS RATIOS                  |                |                 |         |                |         |       |         |        |        |               |
|  | 25.            | 29.9            | 35.4    | 36.3           | 33.3    | 25.4  | 28.2    | 29.9   | 29.9   | 29.5          |
| GROSS PROFIT TO SALES                  | (108.4)        | (34.7)          | (1.0)   | 11.4           | 9.3     | 6.4   | 6.1     | 5.7    | 11.2   | 12.4          |
| MP1 (WALLE TA ANTHON                   | (55.4)         | (30.1)-         | _       | 16.6           | 14.5    | 10.3  | 11.1    | 17.6   | 21.0   | 23.3          |
| RETURN ON CAPITAL & RETURN ON EQUITY & | (44.8)         |                 | (3.7)   | 66.7           | 71.2    | 56.9  | 66.4    | 103.4  | 118.9  | 128. <b>s</b> |
| INTEREST COVER                         | (5.0)          | <b>(5.0)</b>    | (5.0)   | (5.0)          | -15.01  | (5.0) | (5.8)   | (5.0)  | (5.0)  |               |
| TINCE CARES BIRIOS                     |                |                 |         |                |         |       |         |        |        |               |
|  |                |                 |         |                |         |       |         |        |        |               |
|  |                |                 |         | A 17           | 6.31    | 0.34  | 0.37    | 0.52   | 0.84   | 1.74          |
| OUICE BATIO                            | 0.23           | €.14            | 8.19    | 0.27           | 1 22    | 1.39  | 1 69    | 3 88   | 3.20   | 5.40          |
| CHUNCHO MIGIN                          | 1.93           | 9.92            | 0.31    | 1.14<br>105.00 | 4 - 4 - |       | MO . 00 | 100.00 | 100.00 | 100.00        |
| Fourth . Sand Time ?                   |                |                 |         |                | 75.56   | 30.80 |         | 51.63  | 69.42  | 11.61         |
| PARTEY                                 | 64.33          | 1,59            | (0.25)  | 15.63          | 13.30   | 34.20 |         |        |        |               |
| infered Bactubs FEA Curas ALE          | erei oi i      | IBAJCY:         |         |                |         |       |         |        |        |               |
| carse. acces                           | 6.13           | 9.25            | 0.43    | 6.53           | 9.53    | 0.47  | 6.45    | 0.54   | 0.56   | 9.58          |
| CYCLLIOR FRYIZCIC                      |                |                 |         |                |         |       |         |        |        |               |
| ***********                            |                |                 |         |                |         |       |         |        |        |               |
| BET CACHFLOW OR ECOIPT                 | (1.258)        | (1.450)         | (1.216) | (430)          | (62)    | (173) | 72      | 1.28?  | 1.409  | 6.935         |
| HET CASEFIOR OF PROJECT                | (1.206)        | (1.101)         | (631)   | 241            | 617     | 546   | 776     | 1.734  | 1.574  | 8.93          |
| DISCOURTED CASEFIOR ANALYSIS           |                |                 |         |                |         |       |         |        |        |               |
| PICCOUNT DATES 1                       | 5.6            | 10.0            | 15.0    | 20.0           |         | ***** |         |        | •••••  | ••••          |
| MES DECEMS ATTUE (DOUBLE)              | 2.888<br>5.656 |                 | 1871    |                | }       |       |         |        |        |               |
|  | PROJECT        | E001 <b>?</b> Y |         |                |         |       |         |        |        |               |

INTERNAL DATES OF PETRON 23.56 10.88

PAYBACES (YEARS) 6.44 1.26

VERSION REF: CAPITAL INVESTMENT, MARGINAL REVENUES.

CASE: MILAUJE CAMERY.

SHITS OF PRODUCTION - 24 X 418 GRM CAMS / CASE

CURRENCY - MALANI KWACEA I 1,000

DATA SUMMARY

PAGE 1 OF 2

|                          | TR 1       | TR 2   | TR 3   | YR 4   | YR 5 | TR 6 | YR 7 | YR 8   | 7R 9   | YR 10 |
|--------------------------|------------|--------|--------|--------|------|------|------|--------|--------|-------|
| IT AND LOSS ACCOUNT BATA |            |        |        |        |      |      |      |        |        |       |
| NO. OF UNITS PRODUCED    | 14         |        |        | 120    | 179  | 209  | 249  |        | 249    |       |
| SELLING PRICE PER UNIT   | 66.132     | 64.614 | 61.336 | 58.970 |      |      |      | 47.190 | 47.190 | 47.19 |
| DIRECT LABOUR COST       | 61         | 61     | 61     | 85     | 100  | 100  | 100  | 100    | 100    | 10    |
| RAW MATERIAL USED        | 297<br>205 | 663    | 1,571  | 2,171  |      |      |      |        |        | 3,36  |
| PACKING MATL USED        | 205        | 558    | 1,343  | 1,924  |      |      |      | 3,752  |        | 3,75  |
| UTILITIES USED           | 26         | 30     | 40     | 50     | 61   | 10   | 95   | 35     | 95     | ,     |
| COST OF MAINTENANCE      | 12         | 15     | 45     | 60     | 10   | 100  | 100  | 100    | 100    | 10    |
| COUSUMABLES USED         | 20         | 30     | 40     | 50     | 78   | 78   | 78   | 70     | 70     | 1     |
| MARKETING COSTS          | 37         | 70     | 100    | 125    | 150  | 150  | 150  | 150    |        | 15    |
| TRANSPORT COST           | 100        | 150    | 200    | 250    | 300  | 300  | 300  | 300    | 300    | 30    |
| INDIRECT LAB. COST       | 235        | 250    | 250    | 250    | 250  | 250  | 250  | 250    | 258    | 25    |
| O/H & INS COST           | 49         | 40     | 40     | 40     | 40   | 40   | 48   | 48     |        | 4     |
| LEGAL & AUDIT COSTS      | 22         | 22     | 22     | 22     | 22   | 22   | 22   | 22     | 22     | 2     |
| TAX ON MET PROFIT &      | 45         | 45     | 45     | 45     | 45   | 45   | 45   | 45     | 45     |       |
| ITAL EXPENDITURE DATA    |            |        |        |        |      |      |      |        |        |       |
| COST OF PLANT            | -          | 1,218  |        |        |      | -    | •    |        | •      |       |
| COST OF FURN & FIT       | 20         |        |        |        |      |      | •    |        |        |       |
| COST OF VEHICLES         | 270        | 150    | •      | •      | -    | 270  | 150  | •      | -      |       |
| PREOPERATING EXP         | 50         | -      | •      | -      | -    | •    | -    | •      | •      |       |
| RECIATION RATES          |            |        |        |        |      |      |      |        |        |       |
| BUILDINGS (ACCOUNTING)   | 25         | 100    |        |        |      |      |      |        |        |       |
| BUILDINGS (CAP ALL)      | 25         |        |        |        |      |      |      |        |        |       |
| PLANT (ACCOUNTING)       | 10         | 100    |        |        |      |      |      |        |        |       |
| PLANT (CAP ALL)          | 10         | 100    |        |        |      |      |      |        |        |       |
| F & F (ACCOUNTING)       | 10         |        |        |        |      |      |      |        |        |       |
| F & F (CAP ALL)          | 10         | 100    |        |        |      |      |      |        |        |       |
| VEHICLES (ACCOUNTING)    | 5          |        |        |        |      |      |      |        |        |       |
| VEHICLES (CAP ALL)       | 5          |        | 1      |        |      |      |      |        |        |       |
| PREOP. EXP (ACCOUNTING)  | 5          | 100    |        |        |      |      |      |        |        |       |
| PREOP. EIP (CAP ALL)     | •          | 100    |        |        |      |      |      |        |        |       |

MOTE: PIRST COLUMN GIVES LIFE IN YEARS

<sup>====</sup> SECOND INDICATES METHOD - 100 = STRAIGHT LINE

<sup>150 = 150%</sup> DECLINING BALANCE 200 = DOUBLE DECLINING BALANCE

THIRD COLUMN GIVES RESIDUAL VALUE AS PER CENTAGE

TENTH COLUMN GIVES ADDITIONAL INITIAL CAPITAL ALLOWANCE OR ACCELERATED DEPRECIATION IN FIRST YEAR OF ASSET LIFE

## NATA SUMMARY CONTINUED

PAGE 2 OF 2

| PINANCE SOURCES               |         |       |       |       |       |       |             |       |       |                        |
|-------------------------------|---------|-------|-------|-------|-------|-------|-------------|-------|-------|------------------------|
| EQUITY INJECTIONS             | 1,000   | •     | •     | •     | •     | -     | •           | -     | -     | •                      |
| FOYE Y DEVELORE               | •       | 1,219 | •     | •     | -     | -     | -           | -     | •     | -                      |
| TOTA B DAYADOMA               | -       | -     | 1,372 | -     | •     | •     | •           | •     | •     | -                      |
| LOAN C DRANDON                | -       | •     | •     | 858   | -     |       | -           |       | 131 8 | 111 0                  |
| LOAN A REPAYMENT              | -       | •     | 121.8 |       | 121.8 |       |             |       | 121.  | 121. <b>8</b><br>137.2 |
| LOAN B REPAYMENT              | -       | -     | •     | 137.2 | 137.2 | 137.2 | 137.2       | 137.2 |       | 137.2<br>15.8          |
| LOAN C REPAYMENT              | •       | -     | -     | •     | 15.1  | 15.1  | <b>85.8</b> | 15.1  | 15.1  | 83.6                   |
| LOAF A IST. \$                | 18.00   |       |       |       |       |       |             |       |       |                        |
| LOAM B INT. \$                | 11.00   |       |       |       |       |       |             |       |       |                        |
| LOAN C INT. &                 | 18.00   |       |       |       |       |       |             |       |       |                        |
| OVERDRAFT INT.                | 20.00   |       |       |       |       |       |             |       |       |                        |
| STOCES (ALL IN MONTES)        |         |       |       |       |       |       |             |       |       |                        |
| PINISHED COODS STOCK          | 6.41    | 6.88  | 6.00  | 6.00  | 6.88  | 6.11  | 6.60        | 6.81  | 6.00  | 6.00                   |
| PAN NATERIALS STOCK           | 6.10    | 1.11  | 8.10  | 1.11  | 0.10  | 8.10  | 8.10        | 0.10  | 1.10  | 0.10                   |
| PACKING MATLS STOCK           | 4.00    | 4.00  | 4.00  | 4.00  | 4.88  | 4.00  |             |       | 4.88  | 4.00<br>2.00           |
| CONSUMABLES STOCK             | 2.88    | 2.00  | 2.00  | 2.00  | 2.00  | 2.60  | 2.88        | 2.00  | 2.00  | 2.00                   |
| WORK IN PROGRESS              | •       | •     | -     | •     | -     | -     | -           | -     | •     | •                      |
| CREDITORS AND DEBTORS (ALL II | MONTES) |       |       |       |       |       |             |       |       |                        |
| DERTORS                       | 2.00    | 2.88  | 2.98  | 2.00  | 2.00  |       |             | _     |       | 2.00                   |
| CREDITORS                     | 0.50    | 0.50  | 0.50  |       | 8.58  | 1.51  | 0.50        | 0.50  | 1.50  | 1.51                   |
| DISCOUNTED CASE FLOW DATA     |         |       |       |       |       |       |             |       |       |                        |
| DISCOUNT RATES &              | 5.00    | 10.00 | 15.00 | 20.00 | •     | -     | •           | •     | •     | •                      |

VERSION REF: CAPITAL INVESTMENT, MARGINAL REVENUES.

CASE: MILAUJE CAMERY.

DUITS OF PRODUCTION - 24 X 410 GRM CAMS / CASE

CURRENCY - MALANI KWACHA X 1,000

| MIRECT - MALANI IMACHA A 1,000                                 |                         | DI                          | PRECIATI            | ON SCHED          | OLE        |                 |                        |             |                |              |
|--|-------------------------|-----------------------------|---------------------|-------------------|------------|-----------------|------------------------|-------------|----------------|--------------|
|  | YR 1                    | TR 2                        | YR 3                | YR 4              | TR 5       | TR 6            | TR 7                   | TR 8        | TR 9           | YR 10        |
| AND & BOILDINGS  |                         |                             |                     |                   |            |                 |                        |             |                |              |
| LAND AT COST   |                         |                             |                     |                   |            |                 |                        |             |                |              |
| BUILDINGS AT COST<br>DEPRECIATION<br>CAPITAL ALLOWANCE         |                         |                             |                     |                   |            |                 |                        |             |                |              |
| LAUT AND NACHINERY   |                         |                             |                     |                   |            |                 |                        |             |                |              |
| PLANT & MACHINERY AT COST<br>DEPRECIATION<br>CAPITAL ALLOWANCE |                         | 1,21 <b>6</b><br>122<br>122 | 1,372<br>259<br>259 | 151<br>345<br>345 | 345<br>345 | 345<br>345      | 345<br>345             | 345<br>345  | 345<br>345     | 345<br>345   |
| URBISHINGS AND FITTINGS  |                         |                             |                     |                   |            |                 |                        |             |                |              |
| PAP AT COST<br>DEPRECIATION<br>CAPITAL ALLOWANCE               | 20<br>2<br>2            | 30<br>5<br>5                | 5                   | <b>5</b>          | 5<br>5     | 5<br>5          | 40<br>9<br>9           | 9           | 9              | 9            |
| NOTOR VERICLES   |                         |                             |                     |                   |            |                 |                        |             |                |              |
| VEHICLE PURCEASE AT COST<br>DEPRECIATION<br>CAPITAL ALLOWANCE  | 27 <b>0</b><br>54<br>54 | 150<br>84<br>84             | 34<br>84            | 84<br>84          | 84<br>84   | 270<br>84<br>84 | 158<br>84<br>84        | 34<br>84    | 84<br>84       | 84<br>84     |
| PINED ASSETS PURCHASED   | 290                     | 1,358                       | 1,372               | 151               |            | 270             | 190                    |             |                |              |
| TOTAL DEPRECIATION TOTAL CAPITAL ALLOWANCE                     | 56<br>56                | 211<br>211                  | 348<br>348          | 434<br>434        | 434<br>434 | 434<br>434      | 431<br>431             | 431<br>438  | 438<br>438     | 431          |
| ACCUMULATED FIXED ASSETS ACCUMULATED DEPRECIATION              |                         |                             | 3,060<br>615        | 1,049             | 1,483      | 1,516           | 4,37 <b>8</b><br>2,354 | 4,378 2,792 | 4,378<br>3,230 | 4,37         |
| BOOK VALUE OF ASSETS   | 234                     | 1,421                       | 2,445               | 2,170             | 2,436      | 2,212           | 2,024                  | 1,586       | 1,148          | 71           |
| PREOPERATING EXPENSES  |                         |                             |                     |                   |            |                 |                        |             |                |              |
| PREOPERATING EXPENSES INTEREST DURING CONSTRUCTION             |                         |                             |                     |                   |            | *****           | *****                  | •••••       |                | ••••         |
| TOTAL PREOP. EXP<br>AMORTISATION (ACCTNG)<br>CAPITAL ALLOWANCE | 10                      | 10                          |                     | 10                | 16         |                 |                        | ******      | 22222          | <b>333</b> 2 |
| BOOK VALUE   | 46                      | 10                          |                     | 18                |            |                 |                        |             |                |              |

CASE: MILAUJE CAMERY.

VERSION REF: CAPITAL INVESTMENT, MARGINAL REVENUES.

WHITS OF PRODUCTION - 24 X 418 GRM CAMS / CASE

CORREDCY - MALANT INVACEA I 1,000

STOCK REPORT

|  |        |        | 21/         | AL REPU | K1     |        |        |   |   |        |
|--|--------|--------|-------------|---------|--------|--------|--------|---|---|--------|
| PRODUCTION BUITS                       | YR 1   | YR 2   | YR 3        | TR 4    | TR 5   | TR 6   | YR 7   | YR 8                                    | YR 9                                    | YR 10  |
| ONITS PRODUCED                         | 14     | 38     | 38          | 126     | 179    | 209    | 249    | 249                                     | 245                                     | 249    |
| (INCLUDES INCOMPLETE)                  | ••     | •      |             |         | •      | -      |        | • | • |        |
| PINISNED GOODS : OPEN                  | •      | 1      | 19          | 45      | 60     | 89     | 184    | 124                                     | 124                                     | 124    |
| CLOSE                                  | 1      | -      | 45          | 68      | 89     |        |        | 124                                     | 124                                     | 124    |
| CHANGE                                 | 1      | 12     | 26          | 15      | 29     | 15     | 20     | •                                       | -                                       |        |
| UMDI IN BRACEPIC. AREN                 |        | *****  |             |         |        |        | •••••  |   |   |        |
| WORK IN PROGRESS: OPEN<br>CLOSE        | •      | •      | •           | -       | -      | -      | -      | -                                       | -                                       | •      |
| CHANGE                                 | •      | -      | -           | •       | •      | •      | -      | -                                       | -                                       | •••••• |
| ONITS SOLD                             | 7      | 26     | 64          | 105     | 149    | 194    | 229    | 249                                     | 249                                     | 249    |
| STOCE VALUES                           | ****** | 222223 | 22222       | ******  | ****** | ****** | 22222  | ******                                  | ******                                  |        |
| PINISHED GOODS                         |        |        |             |         |        |        |        |   |   |        |
| OPENING STOCK                          | •      | 310    | 678         | 1 550   | 2 178  | 2 951  | 3 297  | 1 776                                   | 3 736                                   | 1 716  |
| CLOSING STOCK                          | 310    |        | 1,559       |         |        |        |        |   |   |        |
| COOTES STOCK                           |        |        |             |         |        |        |        | •                                       |   |        |
| STOCE CHANGE                           | 310    | 368    | <b>8</b> 72 | 620     | 781    | 346    | 442    |   |   | -      |
| WORK IN PROGRESS                       |        |        |             |         |        |        |        |   |   |        |
| OPENING STOCK                          | -      |        | -           | -       | -      | -      | -      | •                                       |   | -      |
| CLOSING STOCK                          | -      | -      | -           | -       | -      | •      | •      | •                                       | •                                       | •      |
|  |        |        |             |         |        |        |        |   |   | •••••  |
| CHANGE IN W.I.P.                       | •      | •      | -           | •       | •      | •      | -      | •                                       | •                                       | •      |
| ALL MIRWATHS                           | ====== | ====== | ======      | ======  | ****** | ====== | ====== | ######################################  | *****                                   | *****  |
| RAW MATERIALS                          |        |        | 11          | 10      | 15     | 36     | 34     | 34                                      | 24                                      | 20     |
| OPENING STOCK  RAW NATERIALS PURCHASED | 302    | 671    | 13<br>1,576 | 18      | 25     |        |        | 28                                      |   | 28     |
| RAW MATERIALS USED                     | 297    |        |             | 2,171   |        |        |        |   |   | 3,361  |
| CLOSING STOCK                          | 6      | 13     | 1,3/1       | 25      | 26     | 28     | 28     | 28                                      | 28                                      | 28     |
| CD03180 SIOCA                          |        |        |             |         |        |        |        |   |   |        |
| STOCK CHANGE                           | 6      | 1      | 5           | 6       | 1      | 2      | _      | -                                       | •                                       | -      |
|  | ====== | ====== | ======      | ======  | *****  | x22722 | ====== | ======                                  | ======                                  | =====  |
| PACKING MATERIAL                       |        |        |             |         |        |        |        |   |   |        |
| OPENING STOCK                          | -      |        | 441         |         |        |        |        |   |   |        |
| PACKING MATERIALS PURCEASED            | 390    | 119    | 1,536       |         |        |        |        |   |   |        |
| PACKAGING MATERIALS USED               | 205    | 558    |             | 1,924   |        |        |        |   |   | 3,752  |
| CLOSING STOCK                          | 186    | 441    | 641         | 882     |        | 1,251  | 1,251  | 1,251                                   | 1,251                                   | 1,251  |
| STOCE CHANGE                           | 186    | 262    | 194         | 241     | 158    | 211    |        |   |   |        |
|  | :::::: | 311313 | 22222       | :::::   | 22222  | ====== | ====== | *****                                   | *****                                   | =====  |
| CONSUMABLES                            |        |        |             |         |        |        |        |   |   |        |
| OPENING STOCK                          | •      | •      | 7           | 1       | 12     | 12     |        | 12                                      | 12                                      |        |
| CONSUNABLES PURCHASED                  | 25     | 32     | 42          |         |        |        | 70     |   |   | 70     |
| CONSUMABLES USED                       | 20     | 30     | 40          |         | 70     | 70     |        | -                                       |   | 70     |
| CLOSING STOCK                          | 5      | 1      | 1           | 12      | 12     | 12     | 12     | 12                                      | 12                                      | 12     |
| STOCK CHANGE                           | 5      | 2      | 2           | 3       |        |        |        |   |   | -      |
|  | 111111 | ****** | ======      | 111111  | ====== | =====  | 22222  | =====                                   | *****                                   | :::::: |

CASE: MILALJE CAMPERY.

VERSION REF: CAPITAL INVESTMENT, MARGINAL REVENUES.

BEITS OF PRODUCTION - 24 X 410 GRM CAMS / CASE

CUERCHCY - MALAMI EVACUA I 1,000

LOAN SCREDULE

|                     |        | LOAN SCREDULE |        |        |        |        |             |               |            |              |  |  |
|---------------------|--------|---------------|--------|--------|--------|--------|-------------|---------------|------------|--------------|--|--|
|                     | YR 1   | YR 2          | YR 3   | YR 4   | YR 5   | TR 6   | YR 7        | TR 8          | YR 9       | YR 10        |  |  |
| AU A                |        |               |        |        |        |        |             |               |            |              |  |  |
| DRANDONI            | -      | 1,219         | •      | •      | -      | •      | •           | -             | •          | •            |  |  |
| REPAYMENTS          | -      | -             | 122    | 122    | 122    | 122    | 122         | 122           | 122        | 122          |  |  |
| BALANCE OUTSTANDING | •      | 1,219         | 1,097  | 975    | 153    | 731    | 609         | 488           | 366        | 244          |  |  |
| INTEREST PAID       |        | 110           | 214    | 192    | 178    | 148    | 126         | 104<br>====== | <b>8</b> 2 | 60<br>====== |  |  |
| OAB B               |        |               |        |        |        |        |             |               |            |              |  |  |
| DRANDONN            | -      | -             | 1,372  | •      | -      | •      | •           | -             | -          | •            |  |  |
| REPAYMENTS          | -      | •             | -      | 137    | 137    | 137    | 137         | 137           | 137        | 137          |  |  |
| BALANCE OUTSTANDING |        | •             | 1,372  | 1,235  | 1,898  | 361    | <b>8</b> 23 | 616           | 549        | 412          |  |  |
| INTEREST PAID       |        | -             | 124    | 241    | 216    | 191    | 167         | 142           | 117        | )<br>=====   |  |  |
| LOAN C              |        |               |        |        |        |        |             |               |            |              |  |  |
| DRAWDOWN            | -      | -             | -      | 858    | -      | -      | -           | -             | -          |              |  |  |
| REPAYMENTS          | •      | •             | •      | -      | 16     | 16     | 16          | 16            | 16         |              |  |  |
| BALANCE OUTSTANDING | •      | -             | •      | 858    | 172    | 686    | 601         | 515           | 429        | 34           |  |  |
| INTEREST PAID       |        |               | •••••• | 11     | 151    | 135    | 120         | 104           | 89         |              |  |  |
|                     | ====== | =====         | 22222  | ====== | ====== | ====== | 22222       | =====         | ======     | 1237         |  |  |

CASE: WHALLE CAMERY.

VERSION REF: CAPITAL INVESTMENT, MARGINAL REVENUES.

Manual Carteri.

WEITS OF PRODUCTION - 24 I 418 GRM CAMS / CASE

CURRENCY - MALANT KWACHA X 1,000

PROFIT AND LOSS ACCOUNTS

|   | YR 1      | TR 2              | YR 3       | YR 4               | TR 5        | TR 6        | YR 7               | YR 8        | YR 9               | YR 10               |
|---|-----------|-------------------|------------|--------------------|-------------|-------------|--------------------|-------------|--------------------|---------------------|
| UNITS PRODUCED                            | 14        | 38                | 58         | 120                | 179         | 209         | 249                | 249         | 249                | 245                 |
| REVENUE                                   |           |                   |            |                    |             |             |                    |             |                    |                     |
| THEOME BOOM CALES                         | 455       | 1 (5)             | 2 416      | ( 141              | . 128       | 4 730       | 18 783             | 11 727      | 11 767             | 11 727              |
| INCOME PROM SALES                         | 455       | 1,656             | 3,710      | 9,172              | 0,230       | 7,736       | 14,703             |             | 11,727             | 11,121              |
| EXPENDITORE                               |           |                   |            |                    |             |             |                    |             |                    |                     |
| ATRONA AACHE                              |           |                   |            |                    |             |             |                    |             |                    |                     |
| DIRECT COSTS                              | (3        | (1                | (1         | AC                 | 100         | 144         | 188                | 144         | 188                | 186                 |
| DIRECT LABOUR & SUPERVISION RAW MATERIALS | 61        | 61                | 1 571      | 15                 | 100         | 100         | 100                | 100         | 100                | 100                 |
| PACKING MATERIALS                         | 297       | 663               | 1,571      | 2,171              | 2,946       | 3,124       | 3,361              | 3,361       |                    | 3,361               |
| UTILITIES                                 | 205<br>26 | 55 <b>8</b><br>38 | 1,343      | 1,924<br>50        | 2,646<br>60 | 3,126<br>80 | 3,752<br>95        | 3,752<br>95 | 3,752<br>95        | 3,752<br><b>9</b> 5 |
| NAI PTZNAUCE                              | 12        | 15                | 45         | 61                 | 11          | 100         | 100                | 100         | 100                | 100                 |
| OTHER CONSUMABLES                         | 20        | 30                | 40         | 50                 | 70          | 78          | 78                 | 76          | 70                 | 76                  |
| COST OF PRODUCTION                        | 620       | 1,357             | 3,100      | 4,340              | 5,902       | 6,594       | 7 478              | 7,478       | 7,478              | 7,478               |
| CHANGE STOCK FIN GOODS                    | 310       | 368               | <b>172</b> | 620                | 781         | 346         | 442                | -           | -                  | 7,370               |
| COST OF SALES                             | 310       | 988               | 2,228      | 3,720              | 5,121       | 6,248       | 7,036              | 1,478       | 1,478              | 7,478               |
| cost of same                              | 314       | •••••             |            |                    | J, 121      |             |                    |             |                    |                     |
| GROSS PROFIT                              | 145       | 668               | 1,682      | 2,472              | 3,109       | 3,498       | 3,747              | 4,249       | 4,249              | 4,249               |
| MIDAMOTHE COCKE                           |           | 74                | 144        | 125                | 154         | 350         | 154                | 158         | 354                | 154                 |
| MARKETING COSTS TRANSPORT COSTS           | 37<br>100 | 70<br>150         | 100<br>200 | 125<br>25 <b>0</b> | 150<br>300  | 150<br>300  | 15 <b>0</b><br>300 | 150<br>300  | 15 <b>0</b><br>300 | 150<br>300          |
| IRABSPORT COSTS                           | 700       | 100               | 200        | 734                | 344         | 300         | 346                | 340         | 200                | 240                 |
| SELLING COSTS                             | 137       | 220               | 300        | 375                | 450         | 450         | 450                | 450         | 450                | 450                 |
|   |           |                   | •••        |                    |             |             |                    | •••••       |                    |                     |
| TRADING PROFIT                            |           | 44%               | 1,382      | 2,097              | 2,659       | 3,040       | 3,297              | 3,799       | 3,799              | 1,799               |
| INDIRECT COSTS                            |           |                   |            |                    |             |             |                    |             |                    |                     |
| INDIRECT LABOUR & SUPERVISION             | 235       | 250               | 250        | 250                | 250         | 250         | 250                | 250         | 250                | 250                 |
| OVERTEADS & INSURANCE                     | 40        | 40                | 48         | 40                 | 48          | 40          | 40                 | 40          | 40                 | 40                  |
| LEGAL & AUDIT PEES                        | 22        | 22                | 22         | 22                 | 22          | 22          | 22                 | 22          | 22                 | 22                  |
|   |           |                   |            |                    |             |             |                    |             |                    |                     |
| TOTAL OPERATING EXPENSES                  | 257       | 312               | 312        | 312                | 312         | 312         | 312                | 312         | 312                | 312                 |
| OPERATING PROFIT                          | (289)     | 136               | 1,070      | 1,785              | 2,347       |             | 2,985              |             |                    | 3,487               |
| OTHER EXPENSES                            | ======    | 121111            | ******     |                    |             |             | 113223             |             | 22222              | =====               |
| LOAN INTEREST                             | -         | 110               | 337        | 510                | 537         | 475         | 413                | 350         | 288                | 226                 |
| INTEREST ON OVERDRAFT                     | 43        | 293               | 557        | 741                | 863         | 864         |                    | 460         |                    | -                   |
| DEPRECIATION                              | 56        | 211               | 348        | 434                | 434         | 434         | 438                | 438         | 438                | 438                 |
| AMORTISATION PREOPERATING EXP.            | 10        | 10                | 10         | 10                 | 10          | -           | -                  | -           | -                  | •                   |
|   |           | •••••             |            |                    | *****       |             |                    |             |                    | •••••               |
| TOTAL OTHER EXPENSES                      | 109       | 623               | 1,252      | 1,694              | 1,844       | 1,773       | 1,623              | 1,248       | 840                | 664                 |
| PROFIT BEFORE TAXATION                    | (398)     | (488)             | (182)      | 91                 | 504         | 956         |                    | 2,238       | 2,647              | 2,822               |
|   |           | -                 |            |                    |             |             |                    |             | *****              |                     |

CASE: MULAUJE CAMBERY.

CURRENCT - MALANT MYACHA I 1,000

VERSION REF: CAPITAL INVESTMENT, MARGINAL REVENUES.

UNITS OF PRODUCTION - 24 X 410 GRM CAMS / CASE

### TAX CALCULATION

|                   |  | YR 1     | YR 2      | YR 3              | YR 4      | YR 5      | YR 6      | YR 7      | YR \$       | YR 9        | YR 10       |
|-------------------|--|----------|-----------|-------------------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|
| PROF              | IT BEFORE TAX                                  | (398)    | {488}     | (182)             | 91        | 504       | 956       | 1,362     | 2,238       | 2,647       | 2,622       |
| DEPR              | MS DISALLOWED<br>ECIATION<br>PEXP AMORTISATION | 56<br>10 | 211<br>10 | 34 <b>8</b><br>10 | 434<br>10 | 434<br>10 | 434       | 438       | 438         | 431         | 436         |
| SOB-              | TOTAL  | (332)    | (267)     | 176               | 535       | 947       | 1,389     | 1,800     | 2,676       | 3,085       | 3,260       |
| OM P              | ITAL ALLOWANCES<br>Mysical assets<br>Reop Exp  | 56<br>10 | 211<br>10 | 34 <b>8</b><br>10 | 434<br>10 | 434<br>10 | 434       | 438       | 438         | 438         | 436         |
| PROF              | YI <b>T</b>                                    | (398)    | (488)     | (182)             | 91        | 504       | 956       | 1,362     | 2,238       | 2,647       | 2,822       |
| LOSS              | CARRIED FORWARD                                | •        | -         | •                 | (91)      | (504)     | (473)     | -         | -           | -           |             |
| TAX               | ABLE PROPIT                                    | (398)    | (488)     | (182)             | •         | -         | 412       | 1,362     | 2,231       | 2,647       | 2,822       |
| TAX<br>TAX<br>TAX | rate \$  | 45       | 45        | 45                | 45        | 45        | 45<br>217 | 45<br>613 | 45<br>1,007 | 45<br>1,191 | 45<br>1,270 |
| PRO               | FIT AFTER TAI                                  | (398)    | (488)     | (182)             | 91        | 504       | 738       | 749       | 1,231       | 1,456       | 1,552       |
| PIL               | AL PROFIT                                      | (398)    | (488)     | (182)             | 91        | 504       | 738       | 749       | 1,231       | 1,456       | 1,552       |

VERSION REF: CAPITAL INVESTMENT, MARGINAL REVENUES.

CASE: NULABJE CANNERY.

UNITS OF PRODUCTION - 24 X 410 GRM CAMS / CASE

CURRENCY - MALAWI KWACHA I 1,000

SOURCE AND APPLICATION OF FUEDS

|   |                | JOOKED ! |           |                  |         |           |                     |         |                  |       |
|---|----------------|----------|-----------|------------------|---------|-----------|---------------------|---------|------------------|-------|
|   | YR 1           | TR 2     | TR 3      | TR 4             | YR 5    | YR 6      | TR 7                | YR 8    | YR 9 1           | r 10  |
| SOURCES OF FUNDS  |                |          |           |                  |         |           |                     |         |                  |       |
| ISSUE OF SHARES   | 1,000          | •        | •         | -                | -       | •         | -                   | -       | -                | -     |
| LOAM A  | •              | 1,219    |           | •                | •       | -         | -                   | -       | •                | •     |
| LOAN B  | •              | •        | 1,372     | 858              | •       | •         | -                   | •       | •                | •     |
| LOAN C  | -              | •        | -         | •3•              |         |           |                     |         |                  |       |
| GENERATED BY OPERATIONS: PROFIT BEFORE TAX ADD BACK: NON-CASE ITEMS | (398)          | (488)    | {1\$2}    | 91               | 504     | 956       | 1,362               | 2,238   | 2,647            | 2,822 |
| AMORTISATION OF PREOF EXPS  | 10             | 10       | 10        | 10               | 10      | •         | 420                 | 470     | 438              | 438   |
| DEPRECIATION  | 56             | 211      | 348       | 434              | 434     | 434       | 438                 | 438     |                  |       |
| TOTAL SOURCE OF FUNDS   | 668            | 952      | 1,548     | 1,393<br>===== = | _       | 1,389     | 1,800<br>========== | - • -   | 3,085<br>===== = | 3,260 |
| APPLICATION OF FUNDS  |                |          |           | •                |         |           |                     |         |                  |       |
| PURCHASE OF P.A   | 290            | 1,398    | 1,372     | 858              | -       | 270       | 190                 | •       | •                | -     |
| PREPRODUCTION EXPENSES  | 50             | •        | •         | -                | •       | -         | -                   | -       | •                | •     |
| TALW 1 RESIDENCES   | •              | •        | 122       | 122              | 122     | 122       | 122                 | 122     | 122              | 122   |
| LOAN A REPAYMENT<br>LOAN B REPAYMENT                                | •              | -        | -         | 137              | 137     | 137       | 137                 | 137     | 137              | 137   |
| LOAN C REPAYMENT  | •              | •        | •         | •                | 16      | 16        | 16                  | 16      | 86               | 86    |
|   |                |          |           |                  |         | _         | 217                 | 613     | 1,007            | 1,191 |
| TAXATION  | -              | •        |           | -<br>            |         |           |                     | •••••   |                  |       |
| TOTAL APPLICATIONS  | 340            | 1,398    | 1,494     | 1,117            | 345     | 615       | 752                 | 958     | 1,352            | 1,536 |
| CHANGES IN WORKING CAPITAL  |                |          |           |                  |         |           |                     |         |                  |       |
| STOCKS: RAW MATS  | 6              | 1        | 5         | 6                | 1       | 2         | •                   | -       | •                | •     |
| PACKING MATS  | 186            | 262      | 194       | 241              | 158     | 211       | -                   | -       | -                | •     |
| CONSUMABLES   | 5              | 2        | 2         | 3                | •       | •         | -                   | -       | •                | -     |
| WORK IN PROGRESS  | 110            | 368      | 872       | 620              | 781     | 346       | 442                 | -       | -                | -     |
| PINISHED GOODS  | 310<br>76      | 200      | 376       | 380              | 340     | 251       | 174                 | 157     | •                | •     |
| DEBTORS   | *****          |          |           |                  |         |           | •••••               |         |                  |       |
| S/TOTAL   | 582            |          | 1,448     | 1,251            | 1,280   | 810       | 616                 | 157     | •                |       |
| CREDITORS   | 40             | 37       |           | 56               | **      | 31        | 28                  |         |                  |       |
| CHANGE IN W/CAP   | 542            | 802      | 1,375     | 1,195            | 1,216   |           | 588                 | 157     |                  |       |
| FIMAL TOTAL APPLICATIONS  | 882            | 2,200    | 2,868     | 2,312            | 1,561   | 1,394     | 1,340               | ======  | ======           | 1,536 |
| CLOCE BANT  | 22222<br>()]41 | 11 461   | 12.783)   | (3.703)          | (4.316) | (4,321)   | (3,861)             | (2,300) | (567)            | 1,10  |
| CLOSE BANK<br>OPEN BANK   |                | (214     | 1 (1.463) | (2.783)          | (3,703) | (4,316)   | (4,321)             | (7,867) | (2,300)          | (56)  |
| CHANGE IN BANK  | (214           | 1 11 249 | ) (1,320) | (919)            | (614)   | (4)       | 460                 | 1,561   | 1,733            | 1,72  |
|   | 23222          | 222222   | 1,548     | 1 101            | 747     | 1.319     | 1,800               | 2,676   | 3,085            | 3,26  |
| APPLICATION + CHMG BANK   | 999            | 227      | 1,340     | 7,323            | 771     | A 7 5 4 7 | -,                  | -, •    |                  |       |

CASE: HULANJE CANNERY.

# VERSION REF: CAPITAL INVESTMENT, MARGINAL REVENUES.

UNITS OF PRODUCTION - 24 X 410 GRM CAMS / CASE

CURRENCY - HALAVI KWACHA I 1,000

BALANCE SHEET

| DALMBLE SELLI   |              |       |              |        |               |       |       |       |       |                 |
|---|--------------|-------|--------------|--------|---------------|-------|-------|-------|-------|-----------------|
|   | YR 1         | TR 2  | YR 3         | YR 4   | YR 5          | YR 6  | YR 7  | YR 8  | YR 5  | YR 10           |
| ASSETS  |              |       |              |        |               |       |       |       |       |                 |
| PIXED ASSETS AT BOOK VALUE<br>PREPRDM IMVSTMMT (BK VALUE) | 234<br>40    | 20    | 7.           | IA     | •             | _     | 2,024 | 1,586 | 1,148 | 711             |
| TOTAL TERM ASSETS   |              | 1,451 | 2,465        | 2,880  | 2,436         | 2,272 |       | 1,586 |       | 711             |
| CORRENT ASSETS  |              |       |              |        |               |       |       |       |       |                 |
| STOCK OF: RAW MATERIALS                                   | 6            | 13    | 18           | 25     | 26            | 28    | 28    | 28    | 28    | 28              |
| PACKAGING MATS  |              |       | 641          |        | 1,040         |       | 1,251 | 1,251 | 1,251 | 1,251           |
| CONSUNABLES   | 5            |       | 1            |        |               | 12    | 12    | - 12  | 12    | -               |
| WIP   | -            |       | 1,550        |        | 2 451         |       | 3,739 |       |       |                 |
| FINISHED GOODS  | 310          | 9/8   | 1,000        | 2,110  | 2,332         | 3,271 | 3,137 | 3,137 | •,,   | 0,.00           |
| DEBTORS<br>CASH AT BANK                                   | 76           | 276   | 652          |        |               | -     | •     | 1,954 | 1,954 | 1,954           |
| TOTAL CURRENT ASSETS                                      | 582          | 1,422 | 2,869        | 4,120  | 5,400         | 6,210 | 6,827 | 6,984 | 6,984 | 8,141           |
|   |              |       | •••••        |        |               |       |       |       |       |                 |
| CURRENT LIABILITIES                                       | 22.6         | 1,463 | 1 701        | 1 762  | 4 116         | 4 321 | 3 461 | 2.380 | 567   | •               |
| OVERDRAFT   |              | 1,483 | 2,783<br>158 | 3,783  | 278           |       | 329   | 329   | 329   | 329             |
| CREDITORS   | 40           | ''-   | 170          |        | -             |       | 613   |       | 1,191 |                 |
| TAI   |              | ••••• |              |        | •••••         |       |       | -     |       |                 |
| TOTAL CURRENT LIABILITIES                                 | 254          | 1,540 |              |        | 4,586         | 4,839 | 4,893 | 3,636 |       | 1,599           |
| NET CURRENT ASSETS  | 128          | (118) | (64)         | 212    | 114<br>====== |       | 2,024 | 3,348 | 4,897 | 6,542           |
| TOTAL ASSETS  | 602          | 1,333 | 2,401        | 3,091  | 3,250         | 3,644 |       | 4,934 | 6,045 | 7,253           |
| LIABILITIES   |              |       |              |        |               |       |       |       |       |                 |
| TERM LOANS  |              |       |              |        |               |       |       |       |       |                 |
|   | -            | 1,219 | 1.097        | 975    | 853           | 731   | 609   | ŤŠ Š  |       | 244             |
| B OUTSTANDING   | -            | -     |              | 1.235  | 1,698         | 961   |       | ésé   | 549   | 412             |
| C OUTSTANDING   | •            | •     | •            | 958    | • •           | 686   | 601   | 515   | 429   | 343             |
| TOTAL LOABS   | -            |       |              | 3.968  |               |       | 2.033 |       | 1.344 | 999             |
| TERM LIABILITIES  |              | 1.219 |              | 3.968  | 2.723         |       | 2.033 | 1.689 |       | 999             |
| CWIDD CIBIPLE   | 1 000        | 1.900 | 1.000        |        | 1.060         |       |       |       |       | 1.000           |
| SHARE CAPITAL RESERVES                                    | (399         | 1.966 | (1,068)      | 19771  | [473]         | 265   | 1.015 | 2.246 |       | 5.254           |
| TOTAL SHAREHOLDERS FUNDS                                  | 602          |       | (68)         |        | 511           | 1.265 | 2.015 | 3.246 | 4.702 | 6.254           |
| system umandivent serve                                   | 22222        | ===== | 22222        | 377253 | 222222        | 22222 |       |       | 22222 | ======          |
| TOTAL LIABILITIES   | 602<br>===== | 1.333 | 2.401        | 3.091  | 3.256         |       |       | 4.934 |       | 7.253<br>====== |

CASE: HULANJE CANVERY.

VERSION REF: CAPITAL INVESTMENT, MARGINAL REVENUES.

UNITS OF PRODUCTION - 24 X 410 GRM CAMS / CASE

CURRENCY - MALAWI EWACEA I 1,000

| ARDELI - MAMMUI AMACAM & 19000                                    |            |              | TABLE (        | OF RATIO       | 3     |               |         |        |       |       |
|---|------------|--------------|----------------|----------------|-------|---------------|---------|--------|-------|-------|
|   | YR 1       | TR 2         | <b>TR</b> 3    | YR 4           | TR 5  | TR 6          | YR 7    | - YR 1 | TR 9  | TR 10 |
| OFIT AND LOSS RATIOS  |            |              |                |                |       |               |         |        |       |       |
| GROSS PROFIT TO SALES 3   | 31.8       | 40.3         | 43.4           | 39.5           | 37.4  | 35.8          | 34.7    |        | 36.2  | 36.2  |
| WET PROFIT TO SALES &   | (87.6)     | (29.4)       | (4.7)          | 1.3            | 6.I   | 7.6           | 6.9     | 10.5   | 12.4  | 13.2  |
| RETURN ON CAPITAL 1   | (48.8)     | (17.4)       | (3.5)          | 1.3            | 6.7   | 9.3           | 9.5     | 17.0   | 22.0  | 25.5  |
| RETURN ON EQUITY &  | (39.8)     | 148,8}       | (18.2)         | 9.Ì            | 59.4  | 73:1          | 44.9    | 123.1  | 145.6 | 155.2 |
| INTEREST COVER  | (5.0)      | {3.6}        | (3.1),         | (3.0)          | (3.1) | (3.2)         | ′(3.3)· | (2.8)  | (1.4) | 5.1   |
| ALANCE SHEET RATIOS   |            |              |                |                |       |               |         |        |       |       |
| OUICK RATIO   | 0.38       | 0.H          | .0.22          | 0.26           | 0.30  | <b>0.34</b> · | 0.37    | 0.54   | 0.94  | 1.95  |
| CURRENT RATIO   | 2.29       | 0.92         | 1.51           | 1.05           | 1.18  | 1.21          | 1.42    | -1.92  | 3.35  | 5.6   |
| EQUITY: TERM LIABS \$   | 100.00     | 1.51         | (2.81)         | 0.75           |       | 34.73         |         |        | 17.77 | 16.2  |
| EQUITY: TOTAL LIABS \$  | 70.31      | 3.98         | (1.27)         | 8.33           | 6.72  | 14.92         | 22.76   | 37.87  | 57.81 | 70.6  |
| TRATIOS EXCLUDE ANY GRANT ELI                                     | ement of 1 | PINANCE)     |                |                |       |               |         |        |       |       |
| chits: hostis   | 0.18       | 3.24         | 0.32           | 0.36           | 0.41  | 0.44          | 0.47    | 0.59   | 0.64  | 0.7   |
| ASEFLOW AMALYSIS  MET CASEFLOW ON ECCUTY  HET CASEFLOW ON PROJECT |            |              |                |                |       |               |         |        |       |       |
| SCOUNTED CASETLON ANALYSIS  | 11.1121    | (2.003)      | 12.0111        | 12007          | 1,1,1 | 2.0.7         | 2.774   |        | 2     |       |
| DISCOUNT RATES &  | 5.6        | 10.0         | 15.0           | 20.0           | ·     | ••••••        | *****   | ****** | ***** | ••••  |
| NET PRESENT VALUE (EQUITY)<br>NET PRESENT VALUE (PROJECT)         |            | 208<br>3.968 | (965)<br>1.864 | (1.687)<br>442 |       |               |         |        |       |       |
|   | Project    | <b>FOUIT</b> |                |                |       |               |         |        |       |       |
| INTERNAL RATES OF RETURN  | 22.06      | 18.73        |                |                |       |               |         |        |       |       |
| PATRACES (TEARS)  | 6.14       | 8.23         |                |                |       |               |         |        |       |       |
| INITION TIMBUT  | ***1       | 7.23         |                |                |       |               |         |        |       |       |

### ANNEXE 13

# SCHEDULE of CAPITAL PLANT PRICES.

This schedule of prices is based on the similar list in the original report and ITEM Nos refer to the same items of plant.

| ITEM No.                                  | PRICE & STERLING | YEAR      | INSTALLED   |
|---|------------------|-----------|---|
| 1   | 25 ,000          |           | 2   |
| 2   | 7,500            |           | 2   |
| 1<br>2<br>3                               | 20,000           |           | 2   |
| 4,5 & 6                                   | 40,000           |           | 2   |
| 7   | 5,500            |           | 3   |
| 8   | 3,000            |           | 2   |
| 9   | 3,000            |           | 2   |
| 10  | 3,500            |           | 2   |
| 11  | 15,000           |           | 3   |
| 12  | 9,000            |           | 2<br>2<br>2<br>3<br>2<br>2<br>2<br>3<br>2<br>2<br>3<br>2<br>2<br>3<br>2<br>2<br>3<br>2<br>2<br>3<br>2<br>2<br>2<br>3<br>2<br>2<br>3<br>2<br>2<br>3<br>2<br>2<br>3<br>3<br>2<br>2<br>2<br>3<br>3<br>2<br>2<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3 |
| 13  | 15,000           |           | 2   |
| 14  | 20,000           |           | 3   |
| 15  | 12,000           |           | 3   |
| 16  | 20,000           | EACH      |   |
| 17  | 40,000           | EACH      | 3   |
| 20 & 21                                   | 50,000           | EACH      | 2 & 3   |
| 23  | 65,000           |           | 4   |
| 24  | 35,000           |           | 4   |
| 25 & 26                                   | 6,000            |           | 4   |
| 30  | 40,000           |           | 3   |
| 31  | 37,000           |           | 3   |
| CAPITAL EXPENDIT                          | URE              |           |   |
| YEAR                                      | 1                | 2         | 3   |
| AMOUNT £                                  | 221,500          | 249,000   | 156,000   |
| KWACHA (inc<br>10% shippin<br>& installat |                  | 1,372,250 | 858,000   |

ABOVE FIGURES USED IN ANNEXE 11.