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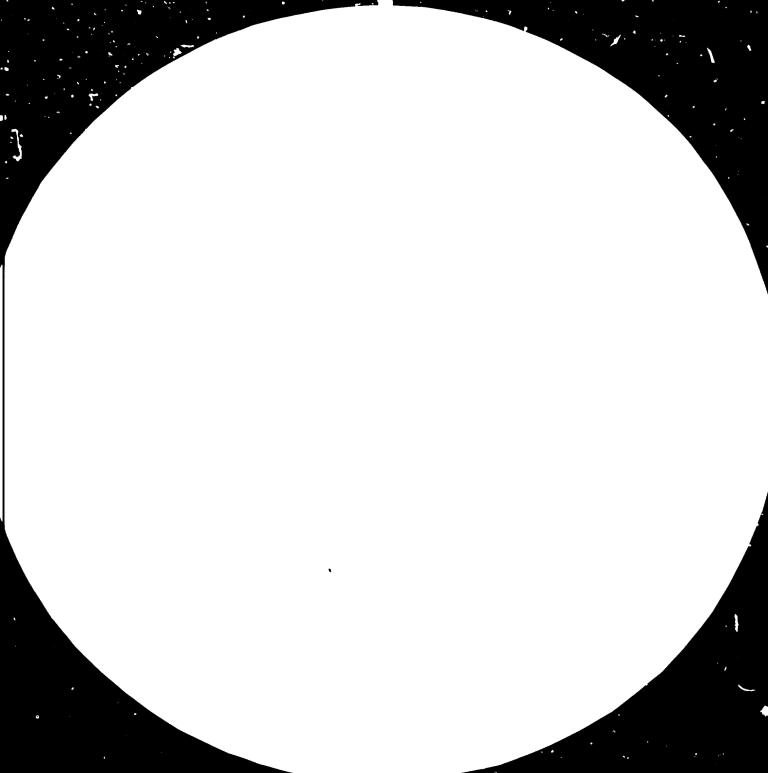
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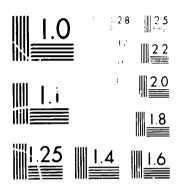
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Magaziak ya Masa (Unita Nebel) Najara 17 Frederic ensured 09510

UNITED MATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION

SAMPLE APPRAISAL REPORT OF
"XYZ HOOLLEN MILLS LTD" (Proposed)

prepared by

the Secretariat of UNIDO



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#### I. PROJUCT ABSTRACT SHIRT

Il/s 'NYZ Moclien Hills Ltd', (Proposed) 1. Name of the Project Moollen and Morsted Textiles (Spinning) 2. Type of Industry Item of production and Moollen carpet yarn Covernment Permit Sanctioned by Ministry of Industries 3. Sanctioned Capacity (rated) Woollen carpet yarn, 7's count, product wise 950.400 lbs per annum, working 2 shifts/day and 300 days/year C.U. 4,141.000 at 85 £ capacity 4. a) Annual Sales Value utilization (3rd year) b) Annual Foreign Exchange Value, if same goods imported approx. same Lot 41. Industrial Istate at ..... 5. Location 6. New/Balancing and Hodernization/Expansion i eu 7. Investment in Project C.U. 1,572.000 a) Fixed cost b) Working Capital including Commercial Bank Borrowings C.U. 55J.000 c) Total Investment C.U. 2,132.000 This Bank's Foreign Exchange 126.064, equivalent to Loan C.U. 605.000 Federal Republic of Cormany 9. Foreign Exchange Credit Line Total Foreign Exchange Component of Project C.U. 605,000 HIL. This Bank's local currency loan 11. 12. a) Annual foreign exchange requirement of raw material Raw material - NIL Spares (1st year) - C.U. B000 and spares (C + 19 values) b) Duty, Freight and clearing charges for imported raw NIL material Year Quantity Value 13. Total Paw Haterial and Spares requirement/year 3rd at 35 % capacity 1,777.000 lb C.U.2,773.000 a) Indigenous of raw wool C.U. 10.000 b) Imported (Spares)

14.	New Jobs created (total) of which	60
	a) Technically skilled	4
	<ul><li>b) Labour (skilled and semi-skilled)</li></ul>	39
	c) Labour (un-skilled)	13
15.	Utility Requirements	Quantity Value
± )•	a) Electric energy in El	50 111
	b) Electric energy in Eth	C.U. 33.720
	c) Fuel oil (Callons)	6.000/year C.U. 6.000
	d) Gas (in cu ft)	5.650/year 6.6. 5.660
	e) Coal/Coke (tons)	-
	f) Mater (Gallons)	15.000/day
16.	a) Total Cost of imported Machinery, including duty and other charges	C.U. 1,207.000
	b) Total cost of locally bought machinery	G.U. 42.000
17.	Total of Calaries and Dages	C.U. 125.000 (3rd year)
13.	Start of Production est.	13 months from the date of opening letter of credit for machinery
19.	Estimated Foreign Exchange Savings (by Import Substituti	_
20.	Estimated Foreign Exchange Carnings	0.U. 589.000 (3rd year)
21.	Estimated Profit - 3rd year	Cross Net
	(Cross - Net)	C.U. 1,202,000 C.U. 898.000
22.	Owners' Equity	C.U. 1,000,000
	of which	, ,
	a) Local	C.U. 1,000,000
	b) Foreign	NIL
	c) Share Capital authorized	
	d) Paid-Up	c.u. 1,000,000
	e) Loans from Directors	C.U. 312,000
23.	Commercial Bank	
	Porrowings	C.U. 209.000 (1st year)
24.	Other Hedium or Long Term Loans	Covernment debentures C.U. 121.000 (3 yearly instalments for custom duty)
25.	Debt/Squity Patio	Vixed cost 30: 61 Over-all 32: 63

#### II. 'A' - THE PROJECT

1. Name of the Project: MYZ Woollen Mills Ltd. (Proposed) 2. Location of the Project: Lot 41, Industrial Estate at ..... a) Factory: b) Office: adjoining the factory Industrial Classification: Woollen and Worsted Textiles (Spinning) 4. Unit Classification (New, Balancing output, Modernization, Expansion) liew 5. Amount of Loan: Poreign Currency Loan, equivalent to C.U. 605.000 (approximately) 6. Eligibility for Loan: Project sanctioned by Ministry of Industries on ...... (or: covered under item No. .... of Priority List of 1970, issued by Ministry of Industries) 7. Cost of the Project: Forci, a Total Local Fixed cost (without working C.U. C.U. C.U. 605.000 1,572.000 Capital) 967.000 Working Capital (including Tank Borrowings) 560.000 560.000 TOTAL C.U. 605.000 1,527,000 2,132,000

#### III. 'D' INTRODUCTION

M/s ABC and Sons, a partnership concern, registered in 1933 with the Registrar of Companies in ..... applied on .... 19 ... for a foreign currency loan, equivalent to C.U. 605.000 approx. for the import of machinery for setting up a Hoollen Spinning unit at The Industrial Estate at .... on lot 41, to produce semi-worsted woollen yarn. The unit will comprise of 430 spindles and component machinery. To undertake the project, the sponsors propose to form a private limited company under the name "XYZ Woollen Mills Ltd" at .....

The sponsors have applied for the tax-holiday privilege,
which in principle has been granted by the Ministry of Industries
for a period of three years, beginning with the start of production.

This is the first loan application of the sponsors to this industrial development bank.

#### IV. 'C' HISTORY OF PAST OPTRATIONS

The sponsors, M/s ABC and Sons, have been dealing for the last 22 years in hardware, paints, iron and steel, cement and other building materials. The trading results and the financial position for the last three years are summarized as under:

#### a) Operating Results:

Summarized Trading Proft and Loss Accounts

	19	19	19
	C.U.	C.U.	C.U.
Eales	949.000	776.000	781.000
Cost of Goods sold	859.000	696.000	702.000
Gross Profit	90.000	30.000	79.000
Ceneral Administrative and			
Selling Expenses	36.000	37.000	<u>36.000</u>
Net Operating Profit	54.000	43.000	43.000
Other Income	1.000	1.000	
	55.000	44.000	43.000
Financial Expenses	2.000	2.000	2.000
Profit before Tax*	53.000	42.000	41.000
=	::::::::::::::::::::::::::::::::::::::	#: ######	======
RATIOS:			
Gross Profit to Sales	9.4 %	10.3 %	10.1 %
Operating Profit to Sales	5•7 🐕	5.5 %	5.4 %
Net Profit before Tax to Sales	5.6 %	5•4 🔑	5.2 🛠
Net Profit before Tax to Owners' Equity	15.3 %	11.8 %	11.4 %

<sup>\*)</sup> M/s 'ABC and Sons' is a registered partnership firm. As such carnings of the firm are subject to tax to be paid by the individual partners.

#### b) Financial Position:

Summarized Balance Sheets

Duning I Lack Datanee Dire	C <b>4</b> D		
	19	19	19
	C.U.	C.U.	C.U.
Assets:			
Current	435.000	454.000	393.000
Fixed	14.000	12.000	23.000
Total Assets	449.000	466.200	421.000
	========	=======	625227222
Liabilities and Owners	Equity:		
Liabilities			
Current	81.000	82,000	42.000
Long-Term	21.000	21.000	21.000
Total Liabilities	102.000	103.000	63.000
Ormers' Equity:	347.000	363.000	358.000
Total Liabilities and Owners' Equity	449.000	456.000 =======	421.000
Working Capital	354.000	372.000	351.000
Current Ratio	5.4:1	5.5 : 1	9.3 : 1

Sales, net profit (before tax), margin on sales and the return on Owners' Equity show a declining trend during this three-year period. Decrease in profitability has been mainly due to change in sales mix and increasing operating expenses. The working capital position and the current ratios have shown an improvement and the financial position can be considered as sound, although excess funds appear to be tied up in larger stocks of items with relatively low profit margins.

#### 7. DI - DESCRIPTION OF THE PROJECT

The sponsor of the project will set up a woollen spinning mill to produce semi-worsted woollen yarn. The mill will be situated on lot 41 of the Industrial Estate at ......

The main machinery will consist of 480 spindles, complete with back-process facilities, including a wool scouring unit.

Various counts of woollen yarn can be manufactured. However for the first few years, only 7's count is planned for production, as this count is widely used for the manufacture of carpets, blankets and other hand-woven articles.

The annual production of the mill, based on 2 shifts and 300 days per year, would at a rated 100% efficiency amount to 950.000 pounds of 7's yarn of the Yorkshire Skien System. For the purpose of this appraisal it is assumed that the operating efficiency would be 65% in the first year, 75% in the second and 35% in the third and subsequent years.

# VI. 'E' - PACILITIES OR THE IMPLIENTATION OF THE PROJECT

#### (i) THEACTURING PROCESS

Greasy wool is first scoured and washed in the finishing and washing machine. The scoured wool is passed through the opener, where it is opened and blended with oil. The blended wool is then taken to the carding machine for separation of fibre and formation of sliver. The sliver thus formed is drawn in three different stages in the intersecting frames for the regularisation and parallelisation of fibre and the formation of the final sliver. The final sliver is then put on the finisher for imparting a slight twist and formation of roving on bobbins. The roving bobbins are then taken to spinning for the making of the woollen yarn.

The yarn on bobbins is formed into hanks on the recling machine, bundled and baled in the presses and despatched for marketing.

During the process 40 % of the raw wool will become scouring waste, which is unsaleable and 10 % spinning waste, which can be sold at C.U. 1.0 per pound.

#### (ii) LUID

The sponsors have already been allotted a plot of land, measuring 60.000 sq. ft. on lot 41 at the Industrial Estate at .....

The land is sufficiently large for the proposed project as well as for future expansion.

The cost of land, including grading, drainage, sewers and watermains, as well as internal road (all provided by the Industrial Estate Management) amounts to C.U. 60.000.

Water and electricity is being laid on up to the border of the plot.

### (iii) BUILDINGS

The following new buildings, having a covered area of 11.544 sq.ft. will be built on the allotted land of 60.000 sq.ft.

The construction will be executed as follows:

R.C.C. Slab Roof
Backed Brick Walls
Cement-concrete flooring
Doors and Windows of steel

Item	Size	Arca sq.ft.	Rate sq.ft.C.U.	Total C.U.
Main Factory Shed	135' x 60'	8,100	13.00	145.800
Godown for Raw Haterial	501 = 201	1,000	18.00	18.000
Godown for Finished	-	•		
Material	40' x 20'	800	18.00	14.400
Canteen	30' x 20'	ა <b>00</b>	20.00	12.000
Lavatory	201 = 201	400	22.00	8,800
Office Block	201 x 201	.100	24.00	9.600
Boiler Room	12' x 12'	14/	13.00	2.592
Cate Post	10' x 10'	100	16.00	1.600
Underground Tank	10.000 Ca	llon:: 1.0	9	10.000
Overhead Tank	5.000 Ga	per galle llong 2.5 per galle		12,500
Boundary Wall	930 ru	nning ft.	_	7.340
				243.132
			Say:	243.000

The above costs have been quoted by the Contractor and checked by the Banks' Engineering Department. The cost of construction of buildings appears to be adequate and is within the standard of prices in the locality. Land purchase price and construction costs will be met by the sponsors from their own resources.

#### (iv) MACHITURY AND MOUIPITMY

The machinery for the woollen yarn manufacturing unit of the semi-worsted system will consist of 430 spindles, complete with back process, scouring and washing unit and necessary component machinery and suxiliary equipment.

The sponsors have submitted three quotations for the machinery proposed to be imported. The prices of machinery from three different sources are as follows:

Source of Kachinery	Cost in foreign Exchange
West Germany, C + F	126.064
United Kingdom, F.O.B.	£ 67.590
U.S.S.R. C + F	2 100.062

Details of machinery proposed to be imported as well as machinery to be purchased locally are shown in Annexures II-A and II-B respectively, which combined form a complete manufacturing unit as far as the proposed work is concerned.

The sponsors intend to place the order with the West German suppliers, N/s ..... of .......

Locally procurable machinery will be bought at an estimated price of C.U. 42.000.

#### (v) RAW MATERIAL

Indigenous wool is the main raw material, available from sheep farms and from local markets. At 100 % production capacity the unit would require 1,900.000 lbs of greasy wool and 20.512 lbs of batching oil, which is also available locally.

#### (vi) ESSENTLL SERVICES

#### a) Electricity

Power requirements are estimated at 50 KM, which will be supplied from the local power grid through a transformer station, belonging to the Industrial Estate.

#### b) Hater

Mater requirements are estimated at 15.000 gallons/day, which will be supplied by the Industrial Estate and will be used for scouring and washing of the greasy wool, for feeding the boiler and other purposes

#### c) Fuel

Oil at the rate of 20 gallons/day will be required for the firing of the boiler.

#### d) Transport

The sponsors have not budgeted for the purchase of vehicles, as all in- and out-going goods will be transported by contractors or the occasional hire.

## (vii) STAFF AND LABOUR

The proposed mill, working in 2 shifts will require:

- 1 qualified spinning master
- 1 for emen
- 2 supervisors
- 16 skilled workers
- 22 semi-skilled workers
- 13 un-skilled workers

All technical personnel and workers will be recruited locally.

On-the-job training will be provided to achieve satisfactory efficiency.

# (viii) TECHNICAL CO-)PERATION (if any)

No technical co-operation with a foreign company is envisaged, as the production of woollen yarn is considered a domestic industry and qualified technical staff is available in the country.

#### (ix) CONSTRUCTION SCHEDULE

The proposed mill could start normal production 18 months after the date of opening the Letter of Credit for the machinery to be imported. The construction schedule is shown in Annexure III.

#### VII. \*F\* HARLEY AND ECONOMIC JUSTIFICATION

#### HARKET

#### DEMAND FOR CARPET (AND BLANKST) YARD

The internal and export demand for carpet (and blanket) yarn of 7's count over the last 5 years has shown a steady rise, whereas a decline in the demand for the other types of woollen yarn is noticeable.

#### (i) Internal consumption:

Whereas statistics of exported woollen carpet yarn give a fairly accurate picture of the quantities involved, the internal consumption can only be estimated, mainly by the increase in numbers of woollen carpet manufacturing units and their output in square feet.

It is generally assumed that for one square foot of a finished carpet 4 ounces of yarn are required.

A survey of the Ministry of Industries shows the following output of manufactured carpets in the country:

Year	19	19	19	19	19
million sc.it. of carpets			15.9		
est. consumption of woollen carpet yarn in million lbs.	3.4	3 <b>.</b> 7	3.97	4.32	6.0

#### (ii) Exports

Export statistics show the following quantities of woollen carpet yarn marketed over the last five years:

Year	19	19	19	19	19
exported woollen carpet yarn in .000 lbs.	200	648	452	518	694

It may be assumed that the demand of overseas distributors will reach in the next years the one million mark of woollen carpet yarn.

#### (iii) Selling Prices of Carpet Yarn

#### a) Home Harket

The average prices of woollen carpet yearn of 7's count on the home market during the past five years have been showing a rising trend as under:

The prices of woollen carpet yarn are expected to maintain a rising trend in future years as well and therefore an increase of 2.5 % each year has been assumed in the sales value estimate.

#### b) Expert Harket

The average export prices of 7's count of woollen carpet yarn during the past five years have shown a slight rising trend, as under:

Year	19	15	19	19	17
Average export price of 7's woollen carpet yarn					
per 1b in C.U.	3.0	3.06	3.12	3.18	3.30

In view of the increasing demand and rising prices on the export market it is assumed that the trend will continue and the export sales value per pound is increased each year by 2.5 % in the estimates.

## (iv) Domestic Production of Carpet Yarn and Imports

25 years ago all locally produced raw wool was sold as such in the domestic and export markets, as the country did not possess any spindlage capacity for the manufacture of woollen, worsted or carpet yarn. Since then, year by year new spinning units were installed, until last year the number of spindles in production reached 60.330 spindles, producing all types of yarn.

Those manufacturers, who specialized in 7's count carpet yarn, working their units at 05 to 90 % capacity in 2, or sometimes 3 shifts, are still not able to cover the domestic and export demand and imports of yarn from neighbouring countries are still required to feed the growing local carpet industry.

In view of this, the Ministry of Industries has sanctioned the installation of further spinning mills for woollen carpet yarn up to an output of 2.2 million pounds over the next 3 years.

#### Import of Moollen Carpet Yarn

Your	19	19	13	19	19	
Imported woollen carpet	23.0	400	704	304	045	
varn in .000 lbs	312	432	19:4	OUA	クイン	

The proposed project with 480 spindles is assumed to produce 0.95 million pounds of woollen carpet yarn at 100 % rated capacity and 0.81 million pounds at 35 % capacity and as such will be meeting approximately 27 % of the shortfall in demand.

#### (v) Raw Hool

To examine the justification for setting up a new mill for the production of woollen carpet yarn, it will be necessary to inquire into the economics of raw wool, that is whether the country gains or looses in producing yarn, instead of selling the rev wool. This is directly connected with "Added Value", foreign exchange benefit and employment.

#### a) Prices of Haw Hool - Home Harket

The prices of raw wool during the past three years have been showing an average annual increase of about 2 % as indicated below:

Year	19	19	19
Average Price of raw wool	_		
per pound in C.U.	1.38	1.40	1.44

In view of the past trend, the prices of raw wool during the next four years have been assumed to maintain a rising trend and the estimate foresees an increase of 2 % each year.

#### b) Prices of Ra. Hocl - Export Market

Scoured raw wool has been exported in appreciable quantities, however due to the international market situation the average export prices during the last three years have shown a sharp ascline:

Year 19. 19. 19. 19. Average export price of scoured raw wool per pound in C.U. 2.50 2.04 1.52

The export prices of raw wool have been assumed as C.U. 1.25 per pound in the first year and as C.U. 1.00 in each of the three subsequent years. An export price of raw wool at C.U. 1.00 per pound is assumed as a rock bottom price, below which the exporter will have no inducement to sell overseas.

(Observation: For the better understanding of the peruser of this report it is pointed out, the the Government of the country issues bonus vouchers for exporting indigenous products, which in turn can be sold to importers with a considerable premium, so that de facto the exporter achieves much higher prices.)

#### (vi) Marketing Arrangements

Marketing arrangements will be worked out by the sponsors before start of production. Due to the great demand of woollen carpet yarn, both in the domestic as well as in foreign markets, no marketing difficulties are expected to arise.

#### 2. ECONOMIC JUSTIFICATION

M/s "XYZ Woollen Hills Itd." (proposed) would be the first spinning mill in the district of ....., which being an underdeveloped region, would greatly benefit from the establishment of such a plant.

At 85 % capacity utilization, the unit would require about 1,777.000 pounds of raw wool. In the district one finds 13 well defined breeds of sheep, all belonging to the carpet wool breed group and therefore no shortage of the raw wool of required quality will arise. Sheep growers, as well as wool merchants will welcome this new mill, as it will provide them a ready market for the sale of greasy wool.

#### a) Foreign Exchange Benefit

The proposed new mill will export 20 % of its yearly production. The net foreign exchange earnings during the first four years of operation are estimated as follows:

	1st year	2nd year	3rd year	4th year
Quantity estimated to be exported (20 % of total production) 1bs.	113.256	141.003	159.984	161.536
Export price of woollen yarn per 1b.	3.5	3.59	9 3.6	3.77
F.O.B. Price of Moollen yarn in C.U.	396.396	506.219	588.741	608.991
Less 1. F.O.D. price of exportable domestic raw material consumed	203.140	282.016	319.968	323.072
2. Value of spares and stores	3.025	6.050	9•075	12.100
3. Depreciation on C+F of machinery (10 %)	JO. 500	60 <b>.</b> 500	60.500	60.500
4. Interest payable in foreign currency for machinery a 61; p.a. Total (1 to 4)				
Not foreign exchange carnings Say C.U.		131.000	176.123 176.000	

# b) Contribution to Gross Mational Product (CMP)

The proposed project during the first four years of its operation will contribute to the Gross National Product of the country as follows:

#### Value Added

	lst year	2nd year C.U. i		4th year
Sales (Net)	2806	3564	4141	4280
Less				
Raw Material consumed	1890	2225	2570	2620
Power, Fuel and Water et	tc. 34	33	43	43
Spares and Stores	3	6	10	13
Postage, Telegram, Telegand Electricity etc.	phone 6	7	8	9
Stationery and Printing	Ą	5	6	7
Advertising	50	50	50	50
Facking and other distribution costs	52	66_	77	36
	2039	2397	2764	2823
Value Added C.U.	767	1167	1377	1452

## c) Employment Opportunities

The project after implementation will provide employment opportunities for 60 persons in the under-developed region. The capital investment per employed person would amount to C.U. 35.500.

# VIII. 'C' - COST OF PRODECT, ISAME OF MINANCE AND DEET DOUTTY RATIO

#### 1. COST OF PROJECT:

The total cost of the project as per details of Annexures I and IV is estimated at C.U. 2,132.000 of which C.U. 605.000 is in foreign currency. The cost of project is summarized as below:

Fixed Cost	C. J.		
Land	60.000		
Buildings	000 رو25		
Hachinery	1,251.000		
Other Assets	6.000		
Total Fixed Cost			1,572.000
Morking Capital			560.000
including Commerical	Bank Borrowings		
Total Cost		C.U.	2,132.000

#### 2. ITANS OF FRANCE:

The above cost of project is proposed to be financed as below:

Proposed Sources of Financi	ing Fixed Cost C.U.	Working Capital
A. Short Term Borrowings (Commercial Bank Borrowings) against hypothecation of		209.000
D. Long-Term Debt		
(a) Bank's Foreign Curre loan 90% of C and P of machinery		-
(b) Deferred custems dut	ty 121.000	-
(c) Directors' Loan	253.000	-
	923.000	
C. Sponsors' Contribution		
Paid-up Capital	649.000	351.000
Total:	1,572.000	560.000
Total (	Cost:	2,132.000
		222222222

The sponsors will be required to contribute an additional sum of C.U. 54,000 towards two instalments falling due during the construction period. The sponsors contribution will thus total to C.U. 1,312.000 of which C.U. 1,000.000 will be through paid-up capital and C.U. 312.000 as long-term loans from Directors.

3. DEBT-EQUITY RATIO:

The debt-equity ratio in the fixed cost of the project after 10 % down payment and two instalments of banks' lean falling due during the construction period works out to be 39:61. The ratio in the overall cost of the project will be 32:60. Directors' lean of 0.0. 312.000 which will not be repaid during the subsistence of the banks' lean, for the purposes of computation of this ratio has been treated as part of spensors' equity (quasi equity).



#### III. 'H' - PRO. ITABILITY

The detailed forecast of earnings and its underlying assumptions in respect of the proposed project for the first four years of operations are given in Amexures 7 to IX. A summary of the Porecast of Carnings is given below:

-	lst year	2nd year C.U. in	3rd year .000	4th y ar
Sales	2306	3564	4141	4230
Gross Profit	783	1012	1202	1?37
Net Operating Profit	582	786	954	970
Total Profit Before Tax	493	725	098	922

The Company is expected to earn pre-tax profit on sales of 17.5 %, 20.28 %, 21.68 % and 21.54 % in the first, second, third and fourth year of operations respectively. If the plant is assumed to be a tax-paying unit the after-tax profit on sales for the four years will be 9.1 %, 9.8 %, 10.0 % and 9.8 % respectively.

The pre-tax and after-tax return on owners! average equity as well as on average capitalization for the first four years of operations are given as below:

Return on Owners' Equity		
Year of Operation	Pre-Tax	After-Tax
Pirst	41.2 <b>%</b>	21.4 %
Second	43.1 9	20.3 🖟
Third	39.6 %	13.4 🐔
Fourth	35.1 %	16.00 ;
Meturn on Capitalization		
Neturn on Capitalization Year of Operation	Pre-Tax	lfter-Tax
	Pre-Tax 26.8 %	15.5 %
Year of Operation		
Year of Operation First	26.8 %	15.5 %

It may also be noted that the proposed unit promises to yield the following pre-tax and after-tax earnings for a share of C.U. 100.00:

Year of Operation	Farning pop Chare (Before Tax)	Marria (After Tax)
l'irst	C.i. 49.30	c.u. 25.60
Second	C.U. 72.30	c.u. 34.90
Third	c.u. 59.37	c.u. 27.87
Pourth	c.v. 61.47	c.u. 23.00

The company would be able to declare a 10 % cash dividend in the first year of operation, a 15 % cash dividend in the second year, a 20 % cash dividend in third and fourth year each. The company will also be issuing a 50 % stock dividend (bonus shares) in the third year.

#### X. II DEET-SERVICE COVERAGE

	lst year	-	3rd year n .000	4th year
A. ASSUMING TAX HOLIDAY UNIT				
Het Profit as per Earnings Forecast	493	723	898	922
Less: Income Tax (Annexure-XII)	T	ax Holida	y —	502*
Add:	493	723	898	<b>42</b> 0
Interest on Covernment Debentures Interest on Banks' Loan	7 42	7 37	5 <b>32</b>	2 <b>2</b> 7
Income Available for	46.			
meeting Liabilities	==== <u>5.12</u>	<u> </u>	235	44º
Liabilities				
Instalments on Banks! Loan	54	54	54	54
Instalments on Govt. Custo Duty Debentures	) in	4C	<b>4</b> 0	41
Interest on Banks! Loan	42	37	32	27
Interest on Govt. Debentur	res <u>7</u>	7	5	2
Total	103	133	131	124
Debt Service Coverage (Tim		ر 5•55 = ======		
*The @ux-holiday privil	ege of the	company		
B. ASSUMING TAX PAYING UNIT				
Net Profit as per Marning Porecast	493	723	<b>3</b> 98	922
Less: Income Tax (Annexure-XII)	237	374	.130	502
	256	349	413	420
Add: Interest on Banks Loan	42	37	32	27
Interest on Government Debentures	7	7.	5	2
Income Available for meeti Liabilities		393	455	4.19
Liabilities as in A above		138		124
Debt Service Coverage (mim	nes) 2.9	6 2.84	3.47	3.62

The project will enjoy tax-holiday under Jection ..... of the Income Tax act for 3 years. The debt service coverage during the tax-holiday period works out to be 5.26, 5.55, 7.13 in the first, second and third year of operations respectively. On the expiry of the tax-holiday period the debt-servicing capacity will be reduced to 3.62, but still would be sufficiently high and above the requirements.

If the unit were a tax-paying one, the debt-service coverage works cut to be 2.96, 2.84, 3.47 and 3.62 in the first, second, third and fourth year of operations respectively, showing a satisfactory debt-servicing capacity of the unit.

#### J' BRILL-WENT POINT

The project will break even (Annexure MIII) at a sales volume of C.U. 1,473.000 at 50 % capacity utilization thus leaving a considerable gap under which the project can freely operate before it could suffer a loss. Sales required to earn a 15% pre-tax return on equity employed are C.U. 1,964.300 which necessitate 66.5% capacity utilisation.

#### \* ! CASH FLOW

A detailed cash flow statement (Innexure X) covering the first four years of operations is attached as Innexure X. The company is expected to generate funds sufficient enough to pay off the banks' loan instalments, interest, deferred customs duty instalments and interest and 10 % cash dividend in the first year, 15 % cash dividend in the second year, and a 20 % cash dividend in the third and the fourth year each. Besides, the net cash surplus of C.J. 2,123.000 at the end of the fourth year indicates that the project will have surplus cash more than necessary to replace the plant at the end of its expected economic life.

#### RECOHESEDATION

Considered from all aspects the project of U/s XYZ Woollen Mill Ltd. (Proposed) is feasible and suitable for the banks financing. It is, therefore, recommended that a foreign currency loan equivalent to C.U. 605.000 (approximately) may be sanctioned to them.

CHIEF HAHAGER

Dignatures	
Hanager Project Department	
Project Officer	
Engineer	
Jeonomist	
. the	1

# H/S. XYZ MOOLLEN MILLS LTD. (PROPOSED)

# COST OF PROJECT

I t e m	Cost in Poreign Co (3)		quivalent in C.U.	Local Currency Cost C.U.	Total Cost C.U.	Basis for Estimate*
1. LUID						
a) Cost of 60.000 sq of land	.ft. -		_	55,000	55.000	II
<ul><li>b) Cost of Filling, Grading, Landscap</li></ul>	ing –		_	-	-	
c) Drainage, Sewers, Nater-mains	-		_	3.000	3.000	IA
d) Roads	-		_	2.000	2.000	III
Tota	al:					60.000
2. BUILDING						
a) Factory	-	-	-	145.300	145.300	III
b) Office	-	-	-	9.600	9.600	III
c) Codown/Store	-		-	32.400	32,400	III
d) Morkers! Quarters			-	_	_	
e) Others (Canteen Do Room, Lavatory, To			-	47.500	47.500	III
f) Fencing, Compound	Wall -		-	7.300	7.800	
Tota	al:				2	43.100
3. MACHINERY + MOUIPLEME	1				•	
a) Main Machinery, Co C+F/and/or ex work case of domestic of (as per encl. quot	ts in 126 origin	5.064 60	05.000	42.000	647.000	III
<ul> <li>b) Spare parts, cost and/or ex works in of domestic origin (as per encl. quot</li> </ul>	case -	•	-	-	-	
c) Tubewells, Power F Transformers, Cabl from Main, Puel St Other (Railway sid etc.)	en orage,	-	-	2.000	2.000	III ·
d) Marine Insurance		-	_	4.500	4.500	IV
e) Import Duty	~		-	302,500	302.500	IV

I t	е п	Cost Foreign ()	Currency	Equivalent in C.U.	Local Currency Cost C.U.		Basis for Estimate*
			·		0050		113 VIIII VC
f)	Bonus Bouchers à 170 🛠	<b>:</b>	_	-	102.850	102.850	IJ
g)	Clearing chargetc.	ges	<del>_</del> .	-	500	500	
h)	Inland freight site including						
	and unleading		<del>-</del>	-	28,000	28.000	
i)	Inland Insuran	ice	_	-	2.000	2.000	
		Total:				,	1,039.350
4. <u>cos</u>	T OF INSTALLATI	1031					
a)	ilechanical (Ir llation of mad		-	-	40.000	40.000	IV
ъ)	Electrical		-	-	20.000	20.000	VI
c)	Insurance		-	-	-	_	
		Total:					<b>60.00</b> 0
5. <u>V</u>	HICLES (for use	<u>e)</u>					
<b>a</b> )	Inside Factory pound	r Con-	_	-	-	-	
b)	Outside of Fac	ctory	-	<b>-</b> .	_	-	
		Total:					-
6. <u>O</u> I	APICE COUIPIENT						
a)	) Office Furnity	ure	-	-	2.000	2.000	III
ъ	) Office machine	es	-		1.000	1.000	
		Total:					3.000
7. <u>co</u>	NSULTANTS FIFE						
a	) Surveys		-	-		-	
b	) Plans, Drawin	(s	-	-	1.000	1.000	VI
		Total:					1.000
8. PR	E-OPLRATING FKP	MSDS					
a	) Promotional		-	-	1.000	1.000	) III
ъ	) Legal		-	-	1,000	1.000	) IV
С	) Banks' Fees,	r\c	_	_	20,000	20.000	VI IV
,	Charges etc.	0 1700	_	-	2.000	2,000	
1	) Import Licenc	6 1 36	_		24000	2,000	- ♣,₹

I	t e	: iu	Cost Foreig	in n Currency (\$)	Equivalent in C.U.	Local Currency Cost C.U.	Total Cost C.U.	Basis for Estimate*
	(به	Expenses for ting up pro- (experts, t	duction	- etc.)	-	5.000	5.000	IV
	f)	Any other c (details)	harges Total:	-	-		- 2	9.000
٥.		CREST PAYAS R <b>I</b> NG CONSTRU						
	a)	On Machiner Auxiliaries		_	-	45.400	45.400	IA
	b)	On Building	+ Others	-	_	-	-	
			Total:				/	15.400
10.	-	TINCTICES						
	a)	On Machiner Auxiliaries local curre	5 % of	-		28.050	28.350	IA
	ъ)	On Building		_	-	12.150	12.150	IV
	,	•	Total:					41.000
			Total	estimated P	ixed Cost		1,5	71.350
11,	WO (I	PKING CAPITA noluding Co	AL REQUIR	D Bank Borrowi	ngs)			60.000
			TOT-U	HUTHLITID C	ost		C.U. 2,1	
						Say	C.U. 2,1	32.000

\*Note: (Explanation of column 6 "Basis for Estimate")

I - purchase has been completed

II - a binding quotation has been received

III - a proforma quotation has been received
IV - an estimated price has been given

I confirm herewith, that after thorough investigation of all

anticipated expenditures, a realistic estimate of the cost of the project has been given.

Dated:	.19

Initials: Ingineer:

Project Officer:

Hanager

Project Department:

I/S. XYZ KCCLIFE HILLS ITD. (PROPOSID) . List of Eachinery to be Imported.

Description	Operation !	iodel	Capacity	No.of units	Price in 3	Name of Nanufacturers
1. PEE Gress Mashing and Rinsing machin		-	3000 lbs/ shift	1	11.550	Spima Hest Germany
2. Opener with 600 m working width	opening	-	2500 lbs/ shift	1	1.986	- do -
<ol><li>Single swift Card 2200 mm working width</li></ol>	${\tt Carding}$	-	2000 lbs/ shift	1	40.432	do
A. Rapid Intersecting with 1 head 1 can.		-	2000 lbs/ shift	1	6.437	- do -
<ol><li>Rapid Intersecting with 1 head 2 cans</li></ol>		-	2000 lbs/ shift	1	7.034	- do -
6. Rapid Intersecting with 1 head 2 cans 4 slivers		_	2000 lbs/ shift	1	7.650	- do -
7. High Draft Finishe Automat with 8 hea and 16 bobbins	LTDATE NOTE 1	on _	2000 lbs	1	11.080	· do -
&. Ring Spinning fram	nes Spinning		3.30 lbs pospindle and si (240 spindles of 7's York Shire Skien) (2 set	h <b>ift</b> of e	31.000	do
			Price P.O.B.	= 3 1	17.269	
			Freight	= <u>}</u>	8.795	
				31	26.064	
			Equivalent to		05.000	

Initials

Engineer:

Project Officer

Nanager Project Tapartment

## ANNEX IIB

# H/S. WYZ HOOLLIN HILLS AFD. (PROPOSED)

# List of Machinery to be Purchased Locally

S.No.	Description	No. of Set		Price
1.	Boiler (Oil fired) 150 P.S.I.	l set	c.u.	30.000
2.	Bundling Press	l set	C.U.	1.000
3.	Baling Press (Screw type)	1 set	C.U.	4.000
4.	Reeling Machine	2 sets	C.U.	5.000
5•	Weighing machine	l set	c.u.	2.000
		Total	C.U.	42.000

Initials

Engineer

Project Officer

Hanager Project Department

#### ANNEX III

### H/S XYZ HOOLLEN HILLS LTD. (PROPOSED)

### PROJECT CONSTRUCTION THE (ESTELVED IN HONTHS)

## Post L/C Period

- 2. Establishment of Letter of Credit (Eachinery Order)
- 3. Site development started
- 4. Site development completed
- 5. Building construction started
- 6. Building construction completed
- 7. Arrival of machinery-port
- 8. Arrival of machinery factory
- 9. Nachinery installation completed
- 10. Unforeseen delays
- 11. Trial runs
- 12. Normal Pr duction started

1	2	3	4	5	6	7	3	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
x																							
х																				<b>*</b>			
	х																			)-02-1-0 e-0			
		x																					
		х																		• • • • •			
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															х								
																x	X						
																		x					

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# IVS. XYZ MOOLLEN HILLS LTP. (PROPOSED)

# SALES ESTERATES (EN FACTORY)

Year of Operation	lst year	2nd year	3rd year	4th year
Capacity Utilization	<b>65</b> 🎋	75 🗇	35 '	<b>3</b> 5 %
Quantities	(1bs)	(158)	(l'.s)	(1bs)
Opening Stock of Pinished Goo	ds -	30.038	35.482	40.234
Production during the year	597.163	709.632	804.672	207.840
Quantity Available for Sale	597.163	7/10.520	340.154	348.074
Less: Closing Stock of finished goods (15 days production)	30.888	35.482	40.234	40.392
untity estimated to be sold	566.280	705.033	799.920	307.632
Quantity estimated to be sold in the local market(80 )	) 453.024	564.030	639.936	646.146
Quantity estimated to be exported (20 %)	113.256	141.003	159.984	161.536
exported (20 p)	566.280	705.038	799.920	807.682
			======================================	=======================================
Sales Value				
A. Finished Goods	C.U.	C.U.	C.U.	C.U.
i) Local	2,083.910	2,656.581	3,090.891	3,198.423
ii) Exports	396.396	506.219	588.741	608.991
	2,480.306	3,162.800	3,679.632	3,807.414
B. Spinning Waste	123. 552	142.560	161.563	161.568
Sales Value	2,603.858	3,305.360	3,841.200	3,968.982
Add: i) Bonus Harnings à 30 % of Exports	118.919	151 <b>.</b> 366	176.622	182.697
ii) Premium on Bonus Vouchers à 79 %	83.243	106.306	123.635	127.883
Total Sales Revenue	2,306.020	3 <b>,</b> 563 <b>.5</b> 32	4,141.457	4,279.567

# Assumptions and Explanatory Remarks:

- 1. Operation Time Two shifts of 3 hours each
- 2. Production Period -300 days in a year
- 3. Mork-in-Process
  Period 10 days

- 4. Total number of spindles 480
- 5. Production per spindle 3.3 lbs. per shift
- 6. Production during the year figures have been worked out as under:

		lst year	2nd year 75 %	3rd year 35 /	4th year 35 %
		(15s)	(lbs)	(15s)	(15s)
	Production at stated capacifor 290 days of the year	ity <b>597.</b> 168	689.040-	780.912	780.912
Add:	10 days production at previous years capacity (units in work-in-process of the previous year	-	20.592	23.760	26.928
	Quantity Produced during the year	597.160	709.632	804,672	807.840

7. The home market and export prices for 1st year of o peration have been assumed at C.U. 4.60 and 3.50 per 1b. respectively. Thereafter an increase of 2.5 % each year has been assumed. The sale price for first 4 years of operation will be as below:

	1st year	2nd year	3rd year	4th year
	C.U.	C.U.	C.U.	C.U.
Local	4.60	4.71	4.83	4.95
Export	3 <b>.</b> 50	3.59	3.63	3.77

8. Saleable spinning waste would be 10 % of the total raw material consumed and would be sold à C.U. 1.00 per 1b.

• • • • • • • • • •

M/S. XYZ MOOLLEM MILLS LTD. (PROPOSED)

# COST OF GOODS HANGFACTURED AND SOLD STATESTER

(C.U. in '000)

Year of Operation	lst	year	2nd year	3rd yea	r 4th year
Plant Capacity	65	q.	75 🛠	85 🐕	85 🐔
Work-in-Process (Opening stock)	_	-	74	<b>3</b> 6	29
Raw Laterials					
Opening Stock -		139	:	223	257
Purchase 2.070		2.258	2.0	605	2.625
Raw-Material avail- able for use 2.079 Less: Closing stock 189 Raw-Material (30 days)		2. 417 222		027 2 257	2.832 262
Raw Material consumed during the year	1.390		2.225	2. 70	2.620
Factory Wages + Salaries	93		112	126	132
Factory Overheads					
Water, Power + Fuel 34		38	•	43	43
Spares + stores 3		6	!	10	13
Repairs + Haintenance 15		30	)	45	60
Decpreciation Machinery 125		125	;	125	125
Decpreciation Factory Building		12	2	12	12
Other manufacturing 30	<del></del>	35		40	
Total Factory Overheads	219		246	275	293
Total Work-in-Process	2.207		2.557	3.057	3.149
Less: Mork-in-Process (Closing Stock 10 days)	74		36	99_	102
Cost of goods manufactured during the year	2.133		2.571	2.958	3.047
Add: Opening stock of finished goods Total Finished Goods Available for Sale	2.133		110 2.681	129 3.087	148 3.195
Less: Finished Goods (Closing Stock 15 days)	110		129	148	152
Cost of Goods Gold	2.023	:	2.552	2.939	3.043

#### Assumption and Explanatory Remarks:

1. At 100 % plant efficiency, Greasy Vool and Batching Oil - the raw materials for the project - will be required in the following quantities

Greasy Mool Batching Oil 1,900.800 lbs. 23.512 lbs.

2. The cost of greasy wool and batching oil for 1st year of operation has been assumed C.U. 1.50 and C.U. 2.00 per 1b. r spectively. Thereafter an increase of 2 % each year has been assumed. The cost of the raw materials per 1b. frr the first 4 years of operation would be as telows.

	let year	2nd year	3rd year	4th year
	C.U.	c.c.	C. U.	C.U.
Greasy Wool	1.50	1.53	1.56	1.59
Batching Oil	2.00	2.04	2.06	2.12

- 3. It is assumed that the scouring waste will be 40 % of the total raw material consumed and will be unsaleable. The spinning waste is estimated at 10 % of the total raw material consumed, and will be sold a C.U. 1.00 per 1b.
- 4. The purchase of raw materials for the first four years of operation have been worked out as on page 4.
- 5. Factory Wages + Salaries:

		No.	Salary per mo	nth .	nnual Salary
			C.U.		C.U.
Fixed:	Spinning Master	1	1.500		18.000
	Supervisor	2	<b>50</b> 0		12.000
	Foreman	1	500	-	€.000
				:	36.000
	_	No.	Wages per o	lay i	lanual Wages
Variab			,		•0.044
	Skilled Labour	16) at	•		28.300
Semi	-Skilled Labour	22 ) rate: ) capa	3		33.000
Un	-Skilled Labour	18)	4		21,600
		ŕ		;	83.400
		lst year	2nd year	3rd year	4th year
Factor	y Wages + Salario	C.U.	(; • U •	G. O.	() • U •
a) Fix	ed Cost	36 <b>.</b> 000	36 <b>.0</b> 00	36.000	36,000
Inc	rement à 5 % p.2.		1.300	3.600	5.400
		36.000	3 <b>7.</b> 800	39.600	41.400
Bon	us 1 month	3.000	3.150	3.300	3.450
Tot	al (a)	39.000	<u> 40.250</u>	42.900	44.850

	b) Variable Cos	<u>t</u> 54.	.210	62.550	70.390	70.390	
	Increment à	5 % p.a	<u> </u>	2.710	5.837	9.381	
		54.	.210	65.260	, 75.727	30.271	
	Benus 1 mont	h 🚜	.517	5.438	6.394	6.639	
					83.121		
	Total Factor and Salaries	y Wages (a+b) <u>\$7</u>	<u>.727</u>	111.648	126.021	131.810	
6.	Stores and Spar	es					
	% of the C+F/Ex Cost of Machine		0.5 %	1.0 %	1.5 %	2.0 %	
7.	Repairs and Mai	ntenance					
	f of the total	cost of lding	1.0 %	2.0 %	3.0 %	4.0 %	
8.	Water Power + F	uel at					
	10HI - 50	load - 50 : tory8 x .8 x 16 x 2.000 x 0.1	300 = 19	2.000 5.920 (Var	iable)		
	ii) Jurcharge	a c.u. 13.	O per KJ	per month :	. C.U. 7.300	(fixed)	
	b) Fuel Oil:						
	20 gallon	s per day à	C.U. 1.0	0 per gall	on = $C.U.6.0$	000 (Variable)	
	c) <u>Mater:</u>						
	15 gallor	ns per day à				.U. 9.000 (Variabl	
			Total	(a + b +	c) C	.U.40.920 (Variabl .U. 7.800 Fixed	e)
	D	Total Grade	1st ye	ar 2nd y		C.U.	
	Power, Water +	ruel cost:	7.300	7.30	n 7.800	7.300	
	Fixed Variable		26.598 34.398	30.69			
9	· Decreciation	Item		st .U.	Rate of Depreciation	Amount Depreciation C.U.	
		Machinery Factory Bui	1,251	600	10 5	125.160 12.248 137.408	
• ~			1st ye			ar 4th year	

30.000

35.000

45.000

40,000

10. Other Manufacturing Overheads - Lump Sum

#### PURCHASE OF RAW HATERIAL

	lst ye	lst year		2nd year 3rd year			4th year		
	Quantity lbs.	Value C.U.	Quantity  lbs.	Value C.U.	Quantity Lbs.	Value C.U.	Quantity lbs.	Value C.U.	
Raw Material Requirements									
a) Greasy Wool: Quantity required for 300 day products	в 1,235.520	1,353.230	1,425.600	2,181.168	1,615.630	2,520.461	1,615.680	2,563.931	
Stock to be maintained at all times during the year (30 days requirements)	123.552	185.328	142.560	213.117	161.568	252.046	161.563	256,893	
Total Requirements	1,352.072	2 <u>,03</u> 3,608	1,563.160	2,399.235	1,777.248	2.772.507	1.777.243	2,825.824	
Less: Opening Stock Purchases to be made during the p			123.552	185.328	142.560	213.117	161.568	252.046	
	1,359.072	2,038.608	1,444.603	2,213,957	1,634.688	2,554.390	1,615.680	2,573.778	
b) Batching Oil Quantity required for 300 day production	ys¹ 18.533	37.066	21.384	.;3,623	24.235	<b>50.</b> 409	2.4. 235	51.378	
Stock to be maintained at all times during the year (30 day requirements)		3.706	2.133	<b>4.</b> 362	2.424	5.0.)1	2. 12.;	5.139	
Total Requirements	20.395	10.772	23.522	<u>47.985</u>	26.659	<b>55.</b> 450	26.659	<u> </u>	
Less: Opening Stock Purchases to be made during the j	S Veen vees	een	1.853	3.706	2.133	4.362	2.424	5.041	
AC DO HERCE COLLEGE	20.386	40.772	21.669	41.279	2.1.521	51.088	24.235	51.475	
Total $(\varepsilon + b)$		2,079.380		2,258,236		2,605.478		2,625.254	

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# M/3. XYZ MOOLLIN MILLS LTD. (PROPOSED)

# ESTIMATES OF GENERAL, ADMINISTRATIVE, SELLING EXPENSES

(in '000)

•		(111 000)				
Year of Operation	lst year C.U.	2nd year C.U.	3rd year C.U.	4th year C.U.		
A. General + Administrative Expenses:						
Salaries - Office Staff	36	38	40	42		
Directors' Fee	-	-	-	-		
Maraging Agent Allowance	-	-	-	-		
Postage, Telephone, Telegram + Electricity	6	7	8	9		
Stationery + Printing	4	5	6	7		
Travelling + Conveyance	5	6	7	8		
Misc. Expenses	8	10	12	14		
Depreciation - Office Building and Equipment	÷ <b>1</b>	1	1	1		
Total (1)	60	67	74	81		
B. Selling Expenses:						
Salaries - Sales	22	23	24	25		
Advertising	50	50	50	50		
Packing + Other Distribution Costs	52	<b>6</b> 6	77	86		
Misc. Expenses	17	20	23	25		
Total (B)	141	159	174	136		
Total (A + B)	201	226	248	267		

# Assumption + Explanatory Remarks:

# 1. Office Salaries (Fixed)

	No.	Salary per month	Annual salary
Manager	1	1.000	12,000
Accountant	1	600	7.200
Typist-cum-Clerk	1	250	3.000
Production Clerk	2	200	4.800
Mess. + Guard	3	100	3.600
			30.600

	1st year	2nd year C.U.	3rd year C.U.	4th year C.U.
Salary	30.600	30.600	30.600	30.600
Increment à 5 % p.a.		1.530	3.060	4.590
	30.600	32.130	33.660	35.190
Provident Fund à 10 %	3.060	3.213	3.366	3.519
Bonus 1 month	2.550	2.677	2.305	2.933
	36.210	38.020	39.831	41.642
	<del></del>	<b>=====</b>	<del>=======</del>	#825# <b>#</b> #
. Depreciation (Fixed)				

<u>Item</u>	Cost C.U.	Rate of Depreciation	Innual Depreciation C.U.
Office Building	10.080	5 %	504
Office Furniture	3.000	15 /-	450
			<u>954</u>
3. Salaries (Sales) Fixed)		G January Month	lunual Salar

3. Salaries (Sales) Fixed) Sales Officer	<u>No.</u> 1	Salary per Month C.U. 600	Annual Salary C.U. 7.200
Sales Assistants	2	300	7.200
Typist-cum-Clerk	1	250	3.000
Messenger	1	100	1.200
			18,600

Salary Increment à 5 % p.a.	1st year C.U. 13.600	2nd year C.U. 18.600 930	3rd year C.U. 13.600 1.860	7th year C.U. 18.600 2.790
	18,600	19.530	20.460	21.390
Provident Fund à 10 %	1.860	1.953	2.046	2.139
Bonus 1 month	1.550	1.627	1.705	1.783
	22.010	23.110	24.211	25.312

<sup>4.</sup> Packing and other distribution costs have been assumed à 2 % of sales.

#### H/J. XYZ HOOLLEN HILLS LTD. (PROPOSED)

#### ESTELATED FINANCIAL PRESENCE

(C.U. in '000)

Year of Operation	lst year	2nd year	3rd year	4th year
Interest on Banks' Loan	42	37	32	27
Interest on Commercial Eank Loan	21	-	-	_
Interest on Covernment Custom Duty Debentures	7	7	5	2
Interest on Director's Loan	19	19	19	19
Total:	89	<b>ś</b> 3	56	.18

#### Explanatory Remarks:

- 1. 10 % of Banks' foreign currency loan will be paid as down payment before establishment of 1/c. The remaining 90 % amount will be paid in 20 equal half-yearly instalments of 0.U. 27.225 each, the payment commencing 6 months after the shipment of machinery.
- 2. The interest on the Banks' loan has been calculated a 9 % p.a. on the average balance of the Banks' loan during the year.
- 3. The interest on Commercial Bank loan has been calculated à 10 % p.a.
- 4. Due to adequate liquid funds available at the end of the first year it is assumed that the Commercial Bank Borrowings are completely repaid during the second year of operation.
- 5. The interest on deferred customs duty of C.U. 121.000 has been calculated a 6 % p.a. The deferred duty will be paid off in 3 equal yearly instalments commencing from the second year of operation.
- 6. The interest on directors' loan of C.U. 312.000 has been calculated a 6 % p.a. (One percent above the Bank Rate).

# N/C. XYZ HOOLLEN MILLS LED. (PROPOSED) DSTEINTE OF HORNING CAPITAL REQUIREMENTS

(C.U. in .000)

					(	C.U. in	.000)
		Tied Up Period	Constr. Year	lst Year	2nd Year	3rd Year	4th Year
СЛ	PACITY	_	-	65 %	75 %	85 %	85 ;
. Curr	ent Assets:		·		<del></del>		
	Materials w Materials (imported)	_	_	_	_	_	_
Ra	w Materials (local)	30 days	-	139	222	25 <b>7</b>	262
:jork	-in-Process	10 days	-	74	86	<b>9</b> 9	102
Fini	shed Goods (in store)	15 days	_	110	129	148	152
Debt	ors (Sales)	1 month	_	234	297	345	391
Othe	rs (General administra- tive + selling exper Finished goods, 15 o + W.I.P. 10 days)	nses	_	17	19	21	22
Tota	1 Estimated Working Fu	nds Require	ed —	624	753	870	929
	Current Liabilities: Haterial purchased on open account		-	-	_	-	-
	Commercial Bank Borro	wings*		209	245	284	289
	Total Estimated Curren	nt Liabilit	ies-	209	245	284	239
(ii)	Estimated Working Capto be contributed by Sponsors (A-B1)		351 <b>**</b>	.415	500	536	640
	T 0	TAL	-	624	753	<b>87</b> 0	929
	0 % of Raw Material) 0 % of Finished Stocks	)		132 77	155 90	130 104	183 106
	e Cash content of work the end of the constr						
	rking capital requirem				. U.		00
	1. Pre-Tax Profit for in the value of			C.U. 41.	000		
	<ol><li>Depreciation for included in the finished goods a</li></ol>	value of sa	les,			,	
	shown above.			C.U. 23.		64.00	
					C.U.	351.00	00

# N/S. XYZ MOOLLEN HILLS LTD. (PROPOSED)

### PORTICAST OF EURNINGS

(C.U. in 1000)

	1st year	2nd year	3rd year	4th year
Sales	2,306	3 <b>.5</b> 64	4.141	4.280
Cost of Goods Sold	2.023	2.552	2.939	3.043
Gross Profit	<b>7</b> 83	1.012	1.202	1.237
General Administrative and Selling Expenses	201	226	243	267
Net Operating Profit	582	786	954	970
Other Income				-
	582	786	954	970
Financial Expenses	- 39	63	56	48
Total Profit Before Tax	493	723	898	922
Income Tax	Tax	Holiday	<u> </u>	502
Profit After Taxes	493	723	898	420
Proposed Dividend	100	150	200	300
Profit Retained	353 =======	573	693	120
RATIOS				
Gross Profit To Sales	27.90 ;	28.39 🗯	29.02 🕏	23.90 €
Operating Profit To Sales	20.74 5	22.05 🗯	23.03 %	22.66 🐔
Net Profit Before Tax To Sales	17.57 🛠	20•28 %	21.68 %	21.54 🔨
Net Profit Before Tax To Cwners Equity	41.2 5	43.1 🗯	39.6 %	35•14 %
Net Profit Before Tax and Interest To Capitalization	26.80 £	31.41 %	31.87 %	29.77 %

# MYS. XYZ MCOLLEN MILLS LED. (PROPOSID)

## CTRITUTE LOGGETHE REVENUENT

(C.U. in '000)

		Construction Period	lst year	2nd year	3rd year	r 1th year
A.	Source of Funds					
	Net Profit before Tax and Interest	-	592	736	954	970
	Depreciation		133	138	138	133
	Total Funds Genera ting from Operatio		720	924	1.092	1.103
	Sponsor's Equity (Paid-up Capital)	1.000	-	-	-	-
	Borrowings from Directors/Partners	312	-	-	-	<b></b>
	Banks! Lean	605	-	~	_	-
	Debentures (Customs	Duty)121	-	-	_	
	Increase in Short-te Commercial Bank Borrowings	rm ~	209	-	-	-
	Increase in other current liabilities		-	_		
	TOTAL SOURCE OF FUNDS (A)	2.039	929 ======	924	1.092	1.108

		Construction Period	lst year	2nd year	3rd year	4th year
Б.	Application of Funds					
	Investment in fixed assets including capitalized expenditure	1.572 •e	-	-	-	-
	Increase in Current Assets	-	624	129	117	59
	Decrease in Commercial Bank Borrowings	· _	-	209	-	-
	Decrease in other Curr Liabilities	ent _	-	-	-	-
	Interest payable on Banks' Loan		42	37	32	27
	Interest on Directors Loan	-	19	19	19	19
	Interest on Commercial Bank Borrowings	_	21	-	-	-
	Interest on Customs Debentures	-	7	7	5	2
	Amortisation of loan from Directors	-	-	-	-	-
	Amortisation of the Banks' Loan	115	54	54	54	54
	Amortisation of Customs Debentures	-	-	40	40	4
	Tax on issue of Bonus Shares (50 / share div	vidend)	-	-	100	-
	Income Tax	-	-	-	-	-
	Dividends/Drawings	-	-	100	150	200
	Investments	_	-		_	
	Total Application (	B) 1.687	767	595	5:7	402
	Cash Surplus (Defic during the year (A-	it)	162	329	575	<b>70</b> 6
	Cash at the beginning of the year	ng _	351	513	842	1.417
	Cash at the end of the year	351	513	842	1.417	2.123

# M/S. XYZ HOOLILM HILLS LTD. (PROPOSED)

# PROJUCTED EMANCE CHITT

(C.U. in '000	(ز
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			(3.3.		
	onstruction		2nd year		th year C.U.
ASSETS					
Current					
Cash + Bank Balance	351	513	842	1. 117	2.123
Other Current Assets		624	<u>753</u>	870	929
Total Current 1sse	ts 351	1.137	1.595	2.287	3.052
Investment	-	-	-	-	-
Fixed Assets (Net)	1.572	1.434	1.296	1.158	1.020
Total Assets	1.923	2.571 ======	2.391 =====	3.445 ======	4.072 ======
LIABILITIES + OWNER TOWN	TTY				
Current Liabilities					
Sundry Creditors	-	-	-	-	-
Short Term Borrowing		209	-	-	-
Income Tax Payable	-	-	-	-	502
Other Current Liabi (^ividends Payable)	lities	100	150	200	300
Total Current Liabilities		309	150	200	802
LONG TERM LIABILITIES			200	200	274
The Banks' Loan	490	436	382	328	274
Other Borrowings (Deferred Customs D	uty) 121	121	31	41	-
Loans from Director	s <u>312</u>	312	312	312	312
Total Long-term Liabilities	723	869	775	681	586
OWNERS DOUTTY					3 500
Paid up Capital	1,000	1.000	1.000	1.500	1.500
Retained Earnings		393	966_	1.064	1.134
Total Liabilities + Owners' Equity	1.923	2.571	2.891	3.445 =====	4.072
RATIOS  Long Term Debt/Equi		25:75	16:34	11:89	8:92
Current Assets/ Current Liabilities		3.67:1		11.43:1	
Fixed Assets Covers (Times)	2001	2.57		3.13	
Break-up Value of Chares	C.U.100.00	c.u. 139.30	c.u. 196.60	c.u.170.9	3 c.u.185.60

# INCOME TAX COMPUTATION

(C.U. in 000)

			lst year	2nd year	3rd year	4th year
Pro	fit as per Barnings Po	orecast	493	723	898	922
/ldd	: Depreciation		138	138	138	138
	otal Earnings efore Depreciation		631	861	1.036	1.060
Les	s Depreciation Allowa	nce:				
1.	Machinery					
	a) Normal à 10;	125	1	13 10	1 91	
	b) Extra-shift à 5 % increase	63		56 5	1 46	
2.	Building à 5 %	13		12 1	2 11	
3.	Office Furniture Equipment 3 6 %		_			
	-		201	181	164	148
	Taxable Income		230	630	872	912
Inc	come Tax à 55 %		237	374	480	502

# H/X "MYZ MOOLHEN HILLS HED" (PROPOSED)

## BREAU-EVEN ANALYSIS

Cales of woollen yarn produced at 65 % capacity			2,952
Total production costs, sell administrative and financial expenses at 65 % capacity	<b>–</b> ,		2.497
Analysis of Total Costs	Total	Pixed	Variable
Raw Material	1.390	_	1.890
Factory Mages + Salaries	28	49	49
Mater, Power + Fuel	34	ខ	26
Spares + Stores	3	2	1
Repairs + Kaintenance	15	10	5
Depreciation	138	133	-
Other Hanuf. Overheads	30	15	15
Salaries - Office	36	36	-
Postage, Telegrammes, Teleph	ione 6	6	-
Stationary, Printing	4	4	-
Travelling, Conveyance	5	5	-
Misc. Admin. Expenses	8	3	-
Salaries - Sales	22	22	-
Advertising	50	50	-
Packing + Distrib. Costs	52	-	52
Misc. Expenses -Sales	17	14	3
Interest on Banks! Loan	42	42	-
Interest on Commercial Bank Loan	21	21	~
Interest on Govt. Debentures	3 7		-
Interest on Directors' Loan	19	19	
	2,497	456	2.041
	======	2022E#	202222

FORMTLA:

Break-evon Sales

Fixed Expenses

1 - Variable Expenses
Sales

 $= \frac{456.000}{1 - \frac{2.041.000}{2.952.000}}$ 

= 456.000 1 -- 0.6915

Sales of = 0.0.1,470.000 or a capacity utilization to utilization to break-even will be 50 %.

To calculate the amount of sales required and the capacity utilization of the mill to achieve a 15 % pre-tax profit on owners; equity, the following formula is employed:

= C.U. 1,964.300 or 66.5 % of capacity

#### H/S "KYZ HOOLLEN HILLS LTD" (PROPOSED)

#### INVESTIGNT CRITERIA

1. Optimum Attainable Capacity: (4th year)

<u>Item</u>

Quantity

Woollen Carpet Yarn, 7's count

807.840 lbs

2. F.O.E. Price of production at optimum attainable capacity:

Quantity

F.O.B.Price

Total

807.340 lbs.

C.U. 3.77 per 1b. C.U. 3.045.557

- Foreign Exchange Requirements at optimum attainable capacity:
  - a) (i) F.O.B. price of exportable domestic raw material consumed for above

c.u. 1,615.680

- (ii) Other imported raw
  materials (C + F)
- b) Value of spares at 2 % of machinery value

12.75

c) Amortization cost

Machinery imported, 10 %

60.500

Royalties

ties

Profit remittance on foreign equity

Interest on foreign loans

Salaries of foreign technicians

19.565

#### Total Foreign Exchange Cost

C.U. 1,707.845

- 4. Domestic Currency Cost of production of optimum attainable capacity:
  - a) Raw Material, Labour, etc.
    - (i) Other indigenous raw materials not accounted for in 3 a) (ii) above 51.000
    - (ii) Wages + Salaries (including salaries of general administration but excluding sales department salaries and other distribution costs)

174.000

(iii) Power, Fuel, Electricity, etc.

43.000

(iv) Repairs + Maintenance (buildings, plant, machinery)

60.000

(v) Rent, Insurance, Taxes
(factory + office buildings only) 31.000

(vi)	Other Pactory and Administration Overheads (excluding depreciation)	103.000	
(v::)	Differential Interest in foreign currency loans at 2 \$ 7	7•525	
	eciation of Fixed Assets nced from local resources:		
(i)	Factory buildings at 5 %	13.000	
(ii)	Plant - machinery at 10 f	13.900	
(iii)	Furniture + fixtures at 6 %	-	
(iv)	Other assets at 10 %		_
	Total domestic Currency Cost (4a) and 4 b) only)	=	C.U. 501.425
	PARTING OF REDUSTRY		
(Do	mestic currency unit cost per forci	ign exchange	unit earned.)
10 D E	HULA:		
=	Total Domestic Currency Cos	st	
	Total F.O.B. Price attainable -	Total Forei	gn Exchange Cost
	Total Domestic Currency Cos	et	
=	Net Foreign exchange earned		
	G II 501 425		
=	c.u. 501.425 c.u. 3,045.557 - 1,707.845		
	,		
=	C.U. 501.425		
	C.U. 1,337.712 : exchange 1	rate of fore	ign currency unit
=	earning ratio of domestic enforcion currency unit.	urrency unit	s to one
•	e lower the ratio, the smaller the		•
•	sts to earn foreign exchange. Imporparisons from several projects or		•
•	mparisons from neveral projects or s imposed an upper limit of the ra-		)
( 1121	s imposou an upper train or one to		,
	1		<b>-</b> :

