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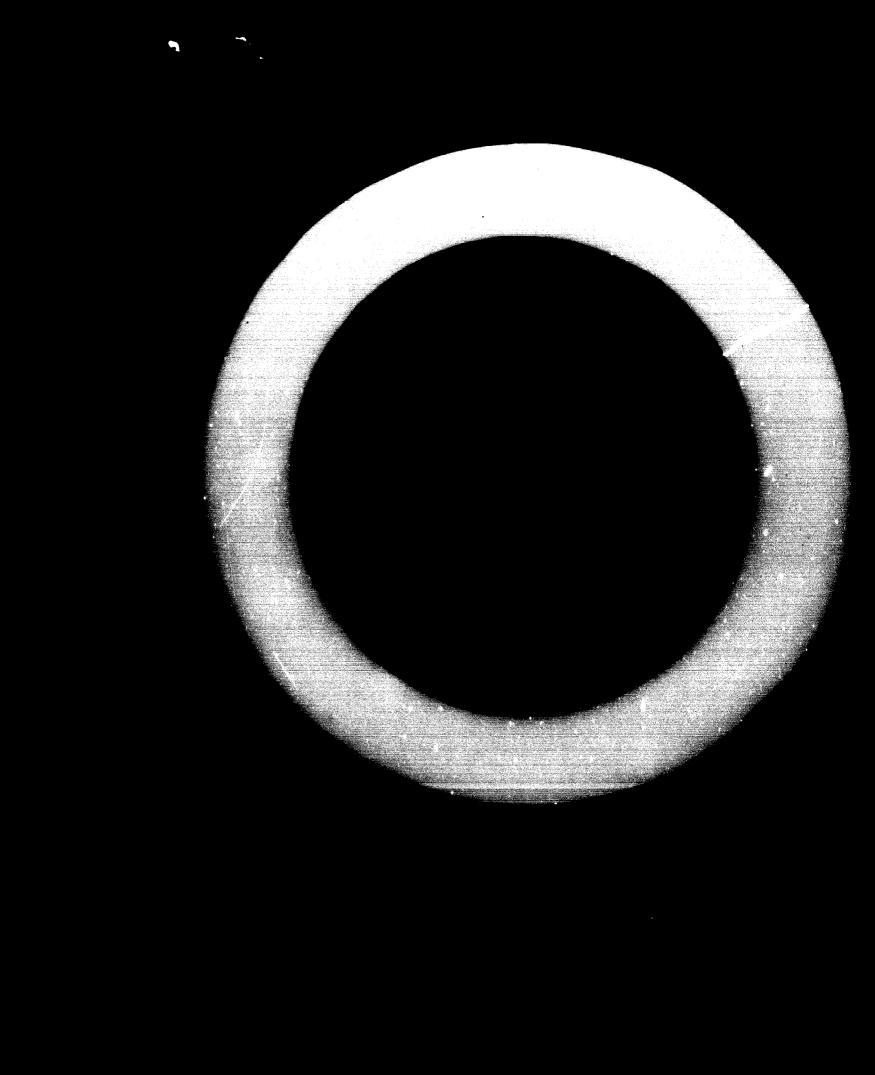


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Country paper by

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### l. Introduction

The Somali Democratic Republic, which comprises the former British and Italian Somalilands, became independent in 1960. The Republic covers a continuous tract of territory (638,000 m.km) in the North East of Africa on the Indian Ocean and the Gulf of Aden, known as the "Horn of Africa".

No official census has ever taken place in Somalia, but the population is roughly estimated at 3 to 4 million with annual growth rate of two percent. The people are largely homogeneous in race, culture, religion (Islam) and language (Somali). There are three foreign languages in use, namely Arabic, English and Italian. The Somali language has no official and general accepted script.

Most of the population are nameds, moving with their hords from place to place in search of water and grazing land. About 20 - 25 percent of the population is occupied in agriculture, forestry and fishing. The rest lives in towns of more than 5,000 imbabitants. The main density areas are around the capital Magadista (175,000), other important wrom centres are Neron (56,000); Margaina (45,000) and Kinnayo (25,000); 12 other towns of more than 10,000 each exist.

Of the total area of 638,000 sq.km only 13.8 percent or 88,000 sq.km support some form of forest vegetation. For a non-industrial country, this proportion of forest land to total land is very low. One cannot argue that this country is blescod with planty as far as forest resources are concerned. The point, nevertheless, that is missed or ignored by most in that our recourses if apploited are capable of some production, which, however small, will meet part of our needs. Up to me, however, forest land has not been brought under proper management to make it productive at capacity.

## L. Dimond for Brens, Products

Urban areas in Samalia have been growing tremendously in the last decade. This growth brings with it a growing need for forest products in the form of construction timer, furniture plywood, particle board, paper, etc. Import of only two of the many items, namely rough and simply shaped wood are given on the next page.

Year	Quantity an metric tone	Value in Somali Shillings		
Mar de 🗠 👊	On the section in the Section of the	(000)		
1966	11,445	5,125		
1.937	7,606	6,954		
1968	11,297	5,500		
1969	₽ <b>,9</b> 00	5,560		

Source: Foreign Trade Statistics.

These two items are selected because due to the manufacturing involved, these, more than the others, would be the ones that would probably be produced at the initial stages of forest industries development and also because the carmill project detailed below is designed to make these products available to the local market. Due to the poor development of national income accounting system, however, detailed data is not available to enable one to obtain more procise information in imports of forest products.

Although, Somelia can be considered among the countries with a low perulation density and with a growth of two percent, yet, the growth in urban areas of the country will not only continue at the same rate as the rest of the country but will absorb more of the growth of the rural communities.

This will meen even a higher increase in imports of forest products in the Cuture which will no doubt further strain the country's belance of payment.

Some figures available on total imports of some forest products for the year 1968 and 1969 might nerve to shed light on the size of demand for these products:

? <b>r</b> o		1969 Quantity in Tone	Vayna in Bossa	1969 Quantity in You	
	Mood, lumber and cork  Mood and cork manufactures  Pulp and waste raper	11,299.3 ∂72.6 769.0	5,504,397 560,857 465,862	8,907.2 513.5 1,247.3	5,580,319 855,098 743,763
<b>4</b> •	Paper, paper board end manufactures of same.	10,296.5	18,755,728	10,193,2	19,240.64L
	fotal		25, 306, 884	20, <b>861.</b> ?	26,419,821

Source: Foreign Trade Statistics.

The significance of the above figures may be appreciated more fully with the fact that in 1969 the import trade for the whole country was worth 364 million Someli Shillings.

## 3. Market

The market situation for furniture industry is expected to change drastically in the near future both in volume and in quality and diversity of the product. This is based on the fact that more and more of the rural population is shifting to urban areas as mentioned earlier.

It is also true that changing living standards in the urban areas, themselves, require more furniture per household. The public sector is also contributing to the expected increase in the market size given that the Government is now engaged in expensive policies which will put more social responsibilities into the Government.

The ingentity of the industry itself has troncadoucly influenced the willingness of the public to buy more furniture by reducing the prices for a given product over the years.

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The furniture industry in Semalia consists of many privately ewood small operations. The majority of these are family enterprises often run by the sale member of a single family. However, for are substantial businesses employing sees 25 workers or more. The majority amploys secondarial equipment small as circular same, table band same, thicknessers, spindle moulders, etc. The workers in general lack proper training in handling the equipment and material, since no vocational training institutes are available in the country which is reflected in the low productivity of the various enterprises.

The furniture industry in Somalia in perhaps unique in the fact that it does not only manufacture pieces of furniture but also it takes car, of the domand for builders wood work (doors, windows and frames, etc.) in the same workshops.

#### 5. Raw moterial

Almost all of the material used by the furniture industry in Samalia is imported mostly from Europe (Italy) and Asia (Singapore) and consists of spruce and larch lumber. Almost 30 percent of this material comes from lumber that has been previously used for packaging of goods imported from abroad in the form of crates and boxes. This is only natural since this country does not have forests producing suitable timbre in sufficient quantities. Of late, however, the industry has been producing more high priced products which leads to increase the importation of high quality timbore.

The local shortage of tider has encouraged a great deal of non-wood substitution in furniture. Nost prominently among these substitutions is the use of setal for under-frames and legs for tables and chairs as well as decorative luminate for top surfaces and surfaces of tables and outboards suspectively.

This substitution phenomena has given rice to local initiative in the subhitables of a small size particle board plant in 1988 in Regardance (Scalart S.P.A.). The plant has started processing begans from the least sagged will in C close about 50 hm from Regardance with second-hand equipment. It was presumed that the particle board numberture from begans could substitute imported same word, fibre beards and plymood in may ficide of application and that the new production would bring about a considerable serving of foreign exchange.

Mann recolog, the new plant has experienced norters difficulties consequing the production technology, the outlet for a new material in local neglects in well as fluencial problems recolling from a high production cost and a law output.

The fact remains that the particle board production is visble under found to constitue of view and that it could bring substantial anvisage of foreign exchange in the near future.

In this commander, the Samui Davelopment Bank has requested the Bookenic Commission for Africa to have an expert of its industry division investigate the whole situation at the plant and the market and recommend improvements which could reverse the present unfavourable situation with regard to:

- i) The production technology;
- ii) The complementary not expensive equipment;
- iii) The reduction of customs duty on imported resins;
- iv) Marketing promotion:
- v) Improve the quality of board produced.

### Prosent situation:

Row motorial "Barasse". Bagasse in purchased from J.N.A.I. (can sugar mill) and delivered in bulk as well as to a less extent in bales. No pre-depithing is carried out at the sugar mill. The inter-corp season is from about 15 April to 15 June and from 15 October to 15 December. The bagasse is transported by trucks from the sugar mill at Giohar to the plant in Mogadishus.

<u>Reside</u> Uses knowit 390 and hardener type 500 MASP are imported from Most Germany. No additives for water repallant proporties are used. Current output:- The plant produces about 100 cu.m. of particle board of the size 125 x 250 c.m., thickness 1, 1.5 & 2 cm with a density of 0.65 - 0.70 per month of which about 30 cu.m are processed in the plant, 80 percent in prefabricated housing components (external walls are coated with Polyester and small gravel, internal walls with urea resin and two layers of paint). 20 percent is used in furniture manufacture (table tops, chair seats, shelves, bottoms etc.). About 20 cu.m per month are sold in retail to furniture manufacturers, joiners and building contractors, etc.

Cost of production of particle boards manufactured from bagasse in Mogadishu (as in 1969):

Product: - Particle board from bagasse, density 0.65 .. 0.70, thickness 10, 15, 20 cm, sise 125x250 cm.

	l pressing	10 pressin shifts per month	The same of the sa	Total Cost per month So.Sh.	Coet per ou.m.
		edhi e <b>kis</b> a e e i			The Committee of the Co
Ray setorial because on- mill	5,000	50,000	1,5/100 kg	750	
Transport to Regardishs Total cos		The second secon			
Delegial : Urea resin Place rood	502 1000	5,200	3,50/200 kg 2,5/kg 1,5/200 kg	1,730 13,000 450	21,6 163,0
Bleatele Power				1,660	5,6 12,5
Magre à salsrice Hatsrial for maintenance à			Andrews A	4,878	61,0
repairs Amortigation		r.		3,000	3749
Conversi es, ve				<u> 5.00 </u>	
Po: al produci	ion cost			<b>19,08</b>	<b>351</b> /7

Consumption per cu.m. of boards;

Resin <u>5200</u> - 625,0 kg

Res begans 50,000 - 625.0 kg

Composition of bagasse board (15% of moisture content)
65.0 kg resin (see above)
105,.0 kg moisture (17%)

530.0 kg bone dry bagasse. 700.0 kg/m3 Total

Price of raw material in Mogadishu market.

Whole sale price 500 So.Sh. per cu.m. of boards. Retail price 600 So.Sh. # # # #

Prices of surface finished boards.

a) Coated with polyester and small gravel (for external walls about 22 So.Sh. per Sq m of which,
Raw boards 12 So.Sh.

Polyester 6 " "
Gravel 2 " "
Labour 2 " "
22 So.Sh

b) Conted with two layers of point (for internal walls about 16 So.Sh. per Sq m)of which,

Nam material 12 So.Sb. Paint & Labour 4 So.Sb.

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The dovernment has taken cognisence of this situation and has decided to take stops which will insure the availability of part of the required material to the industry in the future even though this will not be possible immediately. The Severament action is channelled into two efforts.

The Government is now installing a small saw mill in the conifer some which will process under timber for the local market. The products of this saw mill will (hopefully) reduce the dependence of the furniture industry on foreign market for its demands for rew paterial. It is needless to mention that the balance of payment situation of the country will be benifited too. Considering the ability of the industry to improving an upat is available, it is expected that this local souths of material will have an overall development imputus on the industry.

See will project. The establishment of the sum still project was first initiated IC years up by the British Government during the British Administration in the northern part of Soundia in Dale Porest Reserve where a local coder is found in attendance. The British Covernment installed a small portable saw bouch to convert this coder into suitable limber for Aurniture, window, door framer and light building structures. The product of this bouch has not some of the document for untertails in the furniture industry at that time.

After independence in 1960, it was decided to install a bigger mobile which was partially installed but was never brought to full production.

Every Government has been sympathetic to the project, yet the fact remained the project was neither abolished nor satisfactorily implemented.

The present Government has shown a great interest into the project and has included it into the National Development Programme in the years 1971-1973. A provision of 1,200,000 So.Sh. is allocated under the budget of the plan period.

The second effort of the Government is directed towards creation of plantation of quick growing local or exotic species.

Demas plantation: This project was also initiated during the British Administration in the Northern Region of Somalia (in Berbera) where a local species (damas) was planted in 1956 and its performance in gr wth, after 14 years, was remarkable.

Equally the Government is taking steps for its extention at a modest yearly rate of 259 hectares of 777 hectares for the plan period. The Government has allocated about 1,500,000 So.Sh., under the National Development Programme budget for the years 1971 - 1973 for this project.

