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DEMERARA WOODS LIMITED

MABURA HILL, DEMERARA RIVER

18873

FINAL REPORT

UPDATE

OF

REVALUATION OF ASSETS

OCTOBER 1990

Client:

Demerara Woods Ltd.,
Water Street, Kingston
Georgetown,
Guyana

Consultant:

c. a. liburd & associates
(in consortium)
61 Hadfield Street,
Georgetown, Guyana

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UPDATE OF REVALUATION OF ASSETS

- LIST OF CONTENTS -

/2... Appendix 5

THE BRIEF

The original asset revaluation exercise was completed in October 1988 under commission from Demerara Woods Limited to C.A. Liburd and Associates in consortium with specialist consulting firms.

In the intervening two years, certain additions, improvements and rehabilitation works have been undertaken which add value to the company's assets and conversely, depreciation of existing assets has continued. Additionally, certain assets, such as forest roads and supporting infrastructure were not included in the original valuation.

This commission is meant to adjust the asset register as defined in the previous report, to add value where applicable and cater for further depreciation in accordance with the following brief -

1) To update the original revaluation to take account of rehabilitated and repaired assets and to include any equipment added or improvements effected over the past two years

2) To include the value of forest roads and supporting infrastructure not catered for in the original brief.

1. INTRODUCTION -

In 1988 a Revaluation of Assets of Demerara Woods Limited (DWL) was carried out by C.A. Liburd and Associates in consortium with other specialist firms, and a Report submitted in October of that year.

The basis of the revaluation exercise was established in that report and the up-date which forms the subject of this document employs the same basis for consistency and ease of comparison.

The two documents must, therefore, be read in conjunction with each other.

Visual inspection, expert assessment of present condition and present day value related to current replacement costs, remain the basis of the up-date in respect of unaltered elements.

The new replacement value shown in the amended Appendices have been derived from an updated basic cost based on inflation rates in supplier countries, plus the local taxes which have become applicable since the 1988 evaluation. This has resulted in a beneficial appreciation of second-hand equipment

/2... THE SAWMILL

2. THE SAWMILL -

There has been rehabilitation of the Gang Saw Log Haul Conveyor and the Gang Saw Transfer Decks, by replacement of worn out elements. The value of these elements has been added to the original evaluation.

Certain minor changes were carried out to the Gang Saw In-feed Return, the Twin Circle Saw In-feed Deck, the Moulders Ducting and the Sorting Table Walkway; but these were made to improve efficiency and involved little capital expenditure except for installation material and labour costs.

/3... 3. CURRENT STATE OF GASIFIERS

3. CURRENT STATE OF GASIFIERS -

The previous report researched the condition and general status of the units.

Gas Engine No.1 has been fitted with the missing spark unit and is now in operation, powered by Gasifier No.5 which has now been put in service.

Various component replacements and overhaul works were carried out on Gasifier No.5 using certain imported elements, and existing plant parts. The costs of these items and the labour charges have been included as added value.

/4... 4. FOREST ROADS

4. FOREST ROADS -

These roads were omitted from the original brief and have now been included to reflect an increase in the asset value of the company.

Visual inspections have been carried out and assessments made of the depreciation over time, based on the deterioration of the road surface and foundation, as well as the structural condition of all culverts and other bridge structures. This deterioration varies with traffic volume and maintenance attention. Eight roads were located, inspected and assessed:

i) Power Line
ii) West Seebali
iii) Kurupukari
iv) Ekuk
v) Waraputa
vi) South Seebali
vii) Imbo
viii) West Maiko

i) Power Line Road:

This road is heavily traversed by logging vehicles and mining traffic. Most sections are however, in reasonable condition, but there is severe rutting and loss of surface material in others due to cross-road run off.

A 6" to 9" sand-clay layer is required for rehabilitation, together with designed cambers and improved side drainage.

In areas with sand-clay subgrade, no difficulty is encountered on flat surfaces but in gradients, cross-road storm water run-off has given

4. FOREST ROADS (Cont'd) -

i) Power Line Road:

rise to severe rutting, exacerbated by the loose nature of the material. A particularly bad section exists about 5 miles from the township and needs urgent attention.

Box Culvert No.1 rehabilitated in 1986, continues to function well, but No.2 is completely blocked and requires clearing and continuous examination and maintenance. The bridges are in good condition, but some decking needs replacement on Bridge No.1

ii) West Soebali:

Most sections of this road are in fair condition and there is Average Daily Traffic (ADT) of ten (10) trucks. Subgrades of white sand and sand-clay exist, but in at least two areas loose sand inhibits traction especially on gradients and for light vehicles.

Some maintenance is required to repair and reduce the effects of erosion which has caused deep rutting, but not presently detrimental to road function to any significant degree. A six (6) inch surfacing layer needs to be laid immediately.

/6... Kurupukari Main

4. FOREST ROADS (Cont'd) -

iii) Kurupukari Main:

Sections of the road have recently been graded and the predominantly sand-clay surface is in good condition. In some sections, inadequate compaction has exposed the loose white sand sub-grade, especially in valleys. Some replacement of the 6" to 9" surface layer is required in places.

Bridge No. 1 requires some decking and Bridge No.2 needs some compacted surfacing material. Both bridges are in good condition.

iv) Ekuk:

A major portion of the road is founded on naturally occurring sheet laterite and remains sound, requiring little maintenance. There is need however, to upgrade the surface in the white sand and sand-clay areas. While erosion is not a major problem, exposure of the subgrade to the constant logging truck traffic has induced heavy rutting. Bridges 1 and 2 are in excellent condition.

Eight hollow tree culverts are in varying stages from total collapse in one case, through splitting, to mere blockage. Maintenance procedures need to be strengthened.

4. FOREST ROADS (Cont'd) -

v) Waraputa:

The road has a white sand subgrade which has been deeply rutted as a result of exposure to traffic through loss of surface material, especially on curves and valleys. A 6" to 9" layer of sand clay, adequately compacted and graded to falls is required.

Bridge No.1 is comprised of greenheart logs across the span without decking. Five (5) hollow tree culverts in otherwise good condition, suffer from splitting and blockage due to inadequate maintenance.

vi) South Seebali:

The subgrade alternates between white sand and sand clay, but is subject to rutting as a result of exposure to traffic, following loss of surface material. A 6" to 8" layer needs to be relaid and adequately compacted.

vii) Imbo:

Three types of subgrade are encountered along the length of the road. In white sand areas, potholes and erosion are evident, while in the sand clay and laterite areas, rutting is the major problem.

/ 8... Both bridges

4. FOREST ROADS (Cont'd) -

vii) Imbo (cont'd):

Both bridges are in good condition, but some decking needs to be replaced on the No.2 structure.

A major erosion problem exists on backfill above hollow tree culverts due to lack of retaining head walls. A condition survey reveals that culverts Nos. 3 and 5 need replacing, while splitting, erosion and blockage adversely affect the proper functioning of the remaining fourteen (14), although only minor maintenance would be required to ensure full operational efficiency.

viii) West Maiko:

Some erosion is evident in the white sand subgrade section, but heavy rutting occurs in the remaining clay sand subgrade section, even with light traffic use and constant maintenance is therefore necessary. Properly designed base and surface courses are required.

A plan showing the location of the Forest Roads is attached as Appendix 9.

/9... 5. SUMMARY VALUATION

5. SUMMARY VALUATION

Appendix Page No.	ASSET	Present Total Value (USD)	Equivalent Value (GYD) $1 (US) = $100 (G)
	APPENDIX No. 1		
(i)	THE SAWMILL	1,920,619	192,061,900
(ii)	" "	137,463	13,746,300
(iii)	" "	424,571	42,457,100
(iv)	" "	605,176	60,517,600
	APPENDIX No. 2		
(v)	POWER PLANT EQUIPMENT: Wood-fuelled Gas Power Plant & Gasification Plant	1,557,642	155,764,200
(vi)	Wood-Chip Production Plant	562,837	56,283,700
(vii)	DIESEL POWER PLANT	2,023,706	202,370,600
	APPENDIX No. 3		
(viii)	TRANSMISSION EQUIPMENT	197,612	19,761,200
(ix)	" " "	67,436	6,743,600
(x)	" " "	55,082	5,508,200
(xi)	" " "	23,688	2,368,800
(xii)	" " "	47,900	4,790,000
(xiii)	" " "	116,572	11,657,200
(xiv)	" " "	60,395	6,039,500
	APPENDIX No. 4		
(xv)	MECHANICAL VEHICLES, PLANT AND EQUIPMENT	3,062,540	306,254,000
(xvi)	" " "	3,777,034	377,703,400
(xvii)	" " "	650,296	65,029,600
	APPENDIX No. 5		
(xviii)	SPARES	100,624	10,062,400
(xix)	NON.MOBILE PLANT	83,835	8,385,300
(xx)	SUB-ASSEMBLES	37,035	3,703,500
	APPENDIX No. 5A		
(xxi)	LAND VALUES	2,974,954	297,495,400
	Sub-total Carried Forward	18,487,035	1,848,773,500

/10... APPENDIX No.6

5. SUMMARY VALUATION (Cont'd) -

Appendix Page No.	ASSET	Present Total Value (USD)	Equivalent Value (GYD) $1 (US) = $100 (G)
	Total Brought Forward	18,487,035	1,848,773,500
	APPENDIX No. 6		
(xxii)	TOWNSHIP: Residential Accommodation and Community Buildings	1,172,771	117,277,100
(xxiii)	" "	152,496	15,249,600
	APPENDIX No. 7		
(xxiv)	TOWNSHIP: Mill Complex Buildings and Township Infrastructure	641,897	64,189,700
(xxv)	" "	710,647	71,064,700
	APPENDIX No. 7A		
(xxvi)	MARINE CRAFT: Self-propelled Barge	400,366	40,036,600
	APPENDIX No. 7B		
(xxvii)	COMMUNICATION EQUIPMENT: Telephone System	39,096	3,909,600
	Radio Phone Equipment (Set of 3 Stations)	25,661	2,566,100
	APPENDIX No. 8		
(xxviii)	FOREST ROADS	871,559	87,152,900
	Grand Total ...	22,501,528	2,250,152,800

Georgetown, GUYANA

5th November 1990

APPENDICES

APPENDIX 1 - SMALL EQUIPMENT

Description of Item	Age in Years	No. Off	Specification	Manufacturer	Present Replacement Cost/ Unit (USD)	Depreciation (%)	Present Value/Unit (USD)	Present Total Value (USD)	Present Value (GYD)
Saw Mill									
Bandmill Carriage		1	4 Headblocks for 8m Logs. Hydraulic Chain Turners (Horizontal & Vertical) Electric Setworks Paintograph catenary hydraulic feedgear.	Gebruder Canali KG Speyer/Rh, West Germany	497,713	48	258,810	258,810	25,881,000
Headrig		1	Canali Automatic Planomatic System Type 88SV 1800 KR	Gebruder Canali KG Speyer/Rh, West Germany					
Outfeed conveyor with off-loading arms, restorage chains and cross transfer to hydraulic guillotine		1		Sanger & Massierer					
Hydraulic Guillotine c/w Power Unit		1	18.5 kw Motor	Rickmeier Gmbh	66,362	48	34,508	34,508	3,450,800
Resaw fitted with push-button fence pressure guides hydraulic saw strain		1	Canali Stb 1400 (DLBR)	Canali KG	218,046	48	113,384	113,384	11,338,400
3 Saw Edger		1	Type S1200/2L	Paul 7941 Durmentingen	161,164	48	83,805	83,805	8,380,500
Waste Belts for Off-cuts & Sawdust				Holtec	71,102	60	28,441	28,441	2,844,100
Framesaw		1	EHD 34	Esterer	474,012	48	246,486	246,486	24,648,600
Bandmill Carriage & Headrig		1	Planomatic System Type 88SV 1900 KL	Gebruder Canali KG Speyer/Rh West Germany	497,713	48	258,811	258,811	25,881,100
Resaw		1	STB 1400 (DLBL)	Canali KG	218,046	48	113,384	113,384	11,338,400
Edger		1	3 Saw Type S1200/2R	Paul	71,102	48	36,973	36,973	3,697,300
Two Saw Slabber		1	No. 11-2-15	Sanger & Massierer	142,204	48	73,946	73,946	7,394,600
Conveyors etc.			Various		1,203,991	60	481,596	481,596	48,159,600
Gang Saw Log Haul Conveyor. Gang Saw Transfer Decks. Gang Saw In-feed Return. Twin Circle Saw In-feed Deck.					200,500	5	190,475	190,475	19,047,500
					Totals carried to Summary -			1,920,619	192,061,900

APPENDIX 1 - SAWMILL EQUIPMENT (CONTD.)

Description of Item	Age in Years	No. Off	Specification	Manufacturer	Present Replacement Cost/ Unit (USD)	Depreciation (%)	Present Value/Unit (USD)	Present Total Value (USD)	Present Value (GYD)
Sawmill (Contd.)									
Hogger		1	Type RE.TH.400.230.5 No. 4210 (90 KW Motor)	Rudnick & Enners D-5239 Alpenrod/ Hachenburg, W. Germany					
Hogger		1	Type 270/500/7 No. 4218 (132 KW MOTOR)		82,952	48	43,135	43,135	4,313,500
Saw Service Shop Equipment									
Circular Saw Sharpender		1	Type CANA/E	Vollmer Werke 7950 Biberach/Riss West Germany					
Circular Saw Sharpender HT		1	Type CHHT						
Grinder		1	Type CANA/HG						
Side Dresser		1	Type EMSE 10U						
Stellite Machine		1	Type GF 10U						
R T Machine		1	Type VRB /1		235,821	60	94,328	94,328	9,432,800
Roller Machine		1	Type VWMS						
Grinder		1	Type CANA/SL						
Side Dresser		1	Type EMS/L						
Grinder		1	Type CANA/S						
Side Dresser		1	Type EMS						
Band Stretcher Roll		1	No. 4	Amstrong Portland USA					
Frame Stretcher Roll		1	No. 3-10	Amstrong Portland USA					
					Totals Carried to Summary -			137,463	13,746,300

APPENDIX 1 - SAWMILL EQUIPMENT (CONTD.)

Description of Item	Age in Years	No. Off	Specification	Manufacturer	Present Replacement Cost/ Unit (USD)	Depreciation (%)	Present Value/Unit (USD)	Present Total Value (USD)	Present Value (GYD)
Joinery Shop Equipment									
Moulder		1	Hydromat 30 Model H3ON	Weinig (Michael) Gmbh	237,000	48	123,240	123,240	12,324,000
Moulder		3	Unimat 22A Model U22A	Weinig (Michael) Gmbh	142,204	48	73,947	73,947	7,394,700
Moulder		1	Mc/No. FBN 5116	Wadkin U.K.	137,214	48	71,352	71,352	7,135,200
Moulder		1	Mc/No. FBN 2144	Wadkin U.K.	99,792	48	51,892	51,892	5,189,200
Circular Panel Saw		1	Type T-100 No. N15096	Rex 2080 Pinneberg/Hamberg, West Germany					
Small Drill		1	Sanger No. 11-1-691	(No Name)					
Wood Lathe		1	Type TM/1600 No. 5014	Centavro					
Circular Saw		1	No. 24 BSW 68323	Wadkin					
Rex Spindle		1	Type F59	Rex 2080 Pinneberg/Hamberg, West Germany	194,345	48	101,059	101,059	10,105,900
Planer (Over and Under)		1	Type C400 Mc/No. 1-82-2-2194C	Hofman					
Narrow Bandsaw		1	Type SR600 No. 62127 (Hema)	Herrmann Maschinenbau Gmbh 7443 Frickenhausen					
Planer Moulder		1	No. 10691 Cutters Top, Bottom & Sides	Kupfer Muhle					
Hydraulic Cross Cut		1	Heavy Duty	Sanger & Massierer					
Compressor		1	Model TK 650621H	Campbell Housfeld, USA					
Joinery Shop Service Equipment									
Knife Grinder		1	Type HMS 1 No. 2391	Vollmer Werke	5,925	48	3,081	3,081	308,100
Cutter Blockgrinder		1	Mc/No. NX 570	Waukin					
				Totals Carried to Summary -				424,571	42,457,100

APPENDIX 1 - SAWMILL EQUIPMENT (CONTD.)

Description of Item	Age in Years	No. Off	Specification	Manufacturer	Present Replacement Cost/ Unit (USD)	Depreciation (%)	Present Value/Unit (USD)	Present Total Value (USD)	Present Value (GYD)
Log Yard									
Log Yard Crane		1	2 x 8 Tons	Avmund Fordererbau Gmbh Maschinenfabrik 4134 Reinberb, West Germany	165,904	50	82,952	82,952	8,295,200
Hydraulic Crane Grab		1	Type MBG 1800	Kroger, 4176 Sonsbech 1, West Germany					
Log Deberker		1	Type 249-217-000	Hawa Hardtle Gmbh Postfach 13 D7959 WAIN	82,952	48	43,135	43,135	4,313,500
Washer		1	No. 11-2-4	Sanger & Massierer	47,401	48	24,649	24,649	2,464,900
Log Haul		1	87m	Sanger & Massierer	71,102	90	7,110	7,110	711,000
Cross Cut Station		1	ES 121	Stihl	182,952	48	95,135	95,135	9,513,500
Machines in Yard Area									
Holtec Trimsaw		1	ES121 with Stihl Electric Chain Saw	Holtec	80,042	48	41,622	41,622	4,162,200
Impregnation Plant (never installed or used)		1	8.61m Long x 1.5m Wide x 1.5m High. Load 8 Tons	Paul Sharf & Son Tank-Apparate-Stahlbau, Bassum West Germany	123,243	48	64,086	64,085	6,408,600
Electric Drying Kilns (never used)		2	8m Long x 6m Wide x 4m High	Shrotter Gmbh & Co. KG. D-7062 Rudersberg, West Germany	189,605	48	98,595	197,190	19,719,000
Twin Bandsaw (never installed or used)		1	Multi-line Planomatic System. Type ML 1100 Twin F20 RH. Type ML 1100 LH 25 KW.	Gebruder Canali KG Speyer/RH, West Germany	94,802	48	49,297	49,297	4,929,700
					Totals Carried to Summary -			605,176	60,517,600

APPENDIX 2 - POWER PLANT EQUIPMENT

WOOD-FUELLED GAS POWER PLANT - GASIFICATION PLANT

Description of Item	Age in Years	No. Off	Specification	Manufacturer	Present Replacement Cost/ Unit (USD)	Depreciation (%)	Present Value/Unit (USD)	Present Total Value (USD)	Present Value (SEK)
Hydraulic Log Splitter		1.	5.5 kw	-	18,960	66	6,447	6,447	644,700
Small Articulated Loader + 1 m^3 Bucket: Type D40W Serial No.8026.4		1		Schaffer 4782 Erwitte West Germany	78,212	66	26,592	26,592	2,659,200
Mechanical Hopper		7	45° Cone 4000 mm x 4000 mm	Imbert GmbH					
Feed Elevator with Ram Discharge and Photocell Control		7	400 mm x 7000 mm	Imbert GmbH für Energie & Urnwelt, Postfach 1128, 5354 Weiles-wist, West Germany-					
Gasifier ref. 8030-05		7	1.7m^3 gas/h	Imbert GmbH					
Packaged Hydraulic Power Unit		7	15 kw	-					
Grit Arrester Cyclone 8030-05-040-000		7	1000mm Ø x 1500mm	Imbert GmbH					
Conditioner Washer Counter Flow 8030-05-050-00-000		7	1500mm Ø x 4500mm	Imbert GmbH					
Electro Static Filter Unit E. Filter 80MA 8030-05-060-00-000		7	1500mm Ø x 4500mm	Imbert GmbH	3,811,508	60	1,524,603	1,524,603	152,460,300
Gas Blower Fan Order Nr.5453 Type R140 17 Design GL-0: K6		7	21 kw 910mm Ø x Impeller	Imbert GmbH					
Cooling Towers Type EWK 441 Fabrication No.8013 823		2	80 tonne/h Water Flow Nozzle Type EWF 16 40 kw	Sulzer-Escher LINDAU Bodensee					
Carbon Filter/Ballast Tank 8030-05-00-000		7	2000mm x 6000mm	Imbert GmbH					
Gas Blower Fan ASR125/17 GL-0-M2		7		Imbert GmbH					
Gas Engine Maintenance Overhead Crane GM 1000F		1	Approx 1 tonne	ABUS KG Krane and Hebu-zeuge, Sonnenweg 1 D5270 Gummersbach, W.Ger.					
Air Compressor for Gas Engine Start Type Rh 500-15-NR 270770		2	5.5 kw	BOGE Bielefeld					
Gas Engine Serial No.441,16 10137 G441 V16		7	V16 685 kw 900 rpm	Motoren Werke Mannheim (MWM)					
					Totals Carried to Summary -			1,557,642	155,764,200

APPENDIX 2 - POWER PLANT EQUIPMENT

WOOD-FUELLED GAS POWER PLANT - WOOD-CHIP PRODUCTION PLANT

Description of Item	Age in Years	No. Off	Specification	Manufacturer	Present Replacement Cost/ Unit (USD)	Depreciation (%)	Present Value Unit (USD)	Present Total Value (USD)	Present Value (GYD)
Double side Vibrating Feeder 82/04/421A		1	VR510 x 8.26 0mm	Rudnick and Enners Maschinen und Anlagenbau Gmbh 5239 Alpenrod Hachtenberg West Germany	27,019	55	12,159	12.159	1;215,900
Drum Chipper Model RE-TH 270 421B		1	132 KW	Rudnick and Enners	169,696	55	76,363	76,363	7,636,300
Drum Chipper Model RE-TH 230 82/04/421D		1	90 KW 15m^3 /h	Rudnick and Enners	150,971	55	67,938	67,938	6,793,800
Vibrating Screen		1	2000 mm x 5.000 mm	Rudnick and Enners	27,019	55	12,159	12,159	1,215,900
Screw Conveyor 82/04/421F		1	FS 250 x 2.420 mm	Rudnick and Enners	2,370	60	948	948	94,800
Mobile Belt Elevator		1	12,000 mm	Rudnick and Enners	23,700	53	11,139	11,139	1,113,900
Discharge Hopper 82/04/421 I		1	KB 1750 x 5,100 mm 1.8 m x 3.2 m x 4 m	Rudnick and Enners	8,295	55	3,733	3,733	373,300
Chained Bar Elevator 82/03/421 G		1	30^0 16.750 mm	Rudnick and Enners	34,366	55	15,465	15,465	1,546,500
Horizontal Rotary Drier		1	Model K600L 2600 x 13000 mm 5500 kg/hour 50-20% moisture reduction	Oberhoff and Altmeyer Krefeld-Linn (1)	777,380	55	349,821	349,821	34,982,100
Gas Burner		1	KAG 150 S	O Benninghoven KG Feuerungstechnik					
Conveyor Belts		2	840 mm x 4730 mm	Rudnick and Enners	4,730	45	2,602	5,204	520,400
Belt Elevator		1	700 mm x 9500 mm	Rudnick and Enners	8,295	56	3,650	3,650	365,000
Suction Fan		1	24.4 kw 1300 Pa 14.72 m^3 /s	Paul Pollrich Gmbh Monchengladback					
Dust Collection Cyclones Cellwheel Dust Discharge 1.1 kw		2	1819 mm Ø 3000 mm	Oberhoff and Altmeyer	4,730	55	2,129	4,258	425,800
					Totals carried to Summary -			562,837	56,283,700

APPENDIX 2 - POWER PLANT EQUIPMENT

DIESEL POWER PLANT

Description of Item	Age in Years	No. Off	Specification	Manufacturer	Present Replacement Cost/ Unit (USD)	Depreciation (%)	Present Value Unit (USD)	Present Total Value (USD)	Present Value (GYD)
Caterpillar Diesel Generator Model 3412 5R4 5N8668 6EA 01096		1	V12 425 KVA 60 Hz	Albert Equipment Co. Inc. 7794E 42nd. p Tulsa, Oklahoma, 74145 USA	102,911	42	59,689	59,689	5,968,900
Caterpillar Diesel Generator Model 3412 SR4 5NA 05322 5N 5078 DW EAS ST 760/88		1	V12 450 KVA 60 Hz		114,345	42	66,320	66,320	6,632,000
Cat. Diesel Generator 3406 Model SR 4 5N 48BH 4031		1	225 KVA		57,173	65	20,011	20,011	2,001,100
Cummins Diesel Generator Engine date 9/1981 Model NT 855 Generator DD 270 155 NR 821549 No. DKBA 4296/04		1	216 KW 270 KVA	Volker Freern Aggregatebau	68,607	70	20,582	20,582	2,058,200
Alternators Type DIDB 1206/8 Serial No. 9 5637224		7	840 KVA 60 Hz	A Van Kaick	684,947	65	239,732	1,678,124	167,812,400
Diesel Generator Set M.A.N. Engine Type D2566 ME 385 445/35 Ansaldo M2 B25[illegible] GA0017		1	125 KVA	11 Schweringen West Germany Telex 024931 Tel 04257/317	30,811	65	10,784	10,784	1,078,400
Power Transformer Type D03150/20 No. 60733-001		1	3150 KVA	Volta Werk Berlin Waidmannslust	82,952	48	43,135	43,135	4,313,500
Mains Failure Automatic Change-over Switch	6	1	200 Amp, 460 Volts 3-Phase 60 Hz		3,687	25	2,766	2,766	276,600
Automatic Synchronisation Unit-Control Computer		1	Model KFPc 7.83 FLR 450	Kuhse	509,563	76	122,295	122,295	12,229,500
					Totals carried to Summary -			2,023,706	202,370,600

APPENDIX 3 - TRANSMISSION EQUIPMENT

Description of Item	Age in Years	No. Off	Specification	Manufacturer	Present Replacement Cost/ Unit (USD)	Depreciation (%)	Present Value/Unit (USD)	Present Total Value (USD)	Present Value (KSh)
Metal clad indoor switch gear (36 way cubicle) complete with air circuit brakers/switches 10 & 30 KVA Transformers, voltage compensator, engine/gasifier control console and operation data logger	7	1	35KA 13.8/0.44/0.12 KV		277,560	35	180,414	180,414	18,041,400
Plastic clad 8-way distribution board coupled with 120/240V lighting distribution board at Workshop and Stores building complete with approximately 55 metres of 3 x 95 mm^2 supply cable and 250 metres of sub-circuit cables (various sizes) voltage compensator, 30 KVA Transformer and final sub-circuits	6	1	250 Amps 460 Volts		9,717	48	5,053	5,053	505,300
Plastic-clad 14 ways distribution board coupled with 120/240 V lighting distribution board at Planer Mill building complete with approximately 275 metres of 3 x 240mm^2 supply cable and 185 metres of sub-circuit cables, 30 & 9 KVA Transformers, voltage compensator and Final Sub-circuits	6	1	1000 Amps 460 Volts		23,356	48	12,145	12,145	1,214,500
					Totals Carried to Summary -			197,612	19,761,200

APPENDIX 3 - TRANSMISSION EQUIPMENT (Cont'd)

Description of Item	Age in Years	No. Off	Specification	Manufacturer	Present Replacement Cost/ Unit (USD)	Depreciation (%)	Present Value/Unit (USD)	Present Total Value (USD)	Present Value (GYD)
Main isolation switch metal-clad power and control panel (for control of 1 pump) located at PUMP STATION No.1 complete with 2335 metres of 3 x 95mm^2 cable and 1KVA transformer	6	1	160 Amps		45,492	48	23,656	23,656	2,365,600
Main isolation switch metal-clad power and control panel (control of 6 pumps) located at PUMP STATION No.2 complete with 280 metres of 3 x 95mm^2 1 KVA transformer and Voltage compensator	6	1	250 Amps		11,584	48	5,998	5,998	599,800
Plastic-clad 20 ways distribution board coupled with 120/240V lighting distribution board at Sawmill building complete with approximately 735 metres of 3 x 240mm^2 supply cable 1100 metres of sub-circuit cables (various sizes) Voltage compensator, 1 0 KVA transformers and Final Sub- ircuits.	6	1	2500 Amps 460 Volts		68,844	55	30,980	30,980	3,098,000
Plastic-clad 7 way distribution board coupled with 120/240 V lighting distribution board at Log Yard building complete with approximately 105 metres of 3 x 95mm^2 supply cable and 341 metres of sub-circuit cables. Voltage compensator and final sub-circuits	6	1	400 Amps 460 Volts		9,717	30	6,802	6,802	680,200
					Totals Carried to Summary -			67,436	6,743,600

APPENDIX 3 - TRANSMISSION EQUIPMENT (Cont'd)

Description of Item	Age in Years	No. Off	Specification	Manufacturer	Present Replacement Cost/ Unit (USD)	Depreciation (%)	Present Value/Unit (USD)	Present Total Value (USD)	Present Value (GYD)
Oil insulated, oil/air natural cooled transformer complete with voltage compensator and protection	7	1	3150 KVA 3-Phase 60Hz 13.8/C.46/0.127-0-0.127KV		45,769	30	32,038	32,038	3,203,800
Outdoor sub-station No.1 Serial No. (Millsite-Administration Building) Transformer complete with primary and secondary protection instrumentation and control gear, housed in composite metal clad enclosure/metal subframe 4-H.V. Terminal sets 4 sub-circuits: 19 Final sub-circuits	6	1	Type DO630/20 630/400/2 x 115 KVA: 13800/460 V 3 Ø 127/254-V 1		15,669	30	10,969	10,969	1,096,900
Outdoor sub-station No.2 Serial [illegible] (Adjacent Medex in Town-[illegible]p) Transformer complete with primary and secondary protection instrumentation and control gear, housed in composite metal clad enclosure/metal subframe 3 - H.V. Terminal sets 4 sub-circuits; 19 Final sub-circuits	6	1	Type DO630/20 630/400/2 x 115 KVA: 13800/460 V 3Ø 127/254V 1Ø		17,249	30	12,075	12,075	1,207,500
					Totals Carried to Summary -			55,082	5,508,200

Description of Item	Age in Years	No. Off	Specification	Manufacturer	Present Replacement Cost/ Unit (USD)	Depreciation (%)	Present Value/Unit (USD)	Present Total Value (USD)	Present Value (GD)
Outdoor sub-station No.3: Serial No. (Near Area 6 - WAMARA St) Transformer complete with primary and secondary protection instrumentation and control gear, housed in composite metal clad enclosure/metal sub-frame 3 - H.V. Terminal 3 sub-circuits: 19 Final Sub-Circuits	6	1	Type DO400/20 400 KVA; 13800 127/254 V 1 Ø		9,085	30	6,360	6,360	636,000
Outdoor sub-station No.2 Serial No. (not yet installed/sited) Transformer complete with primary and secondary protection instrumentation and control gear, housed in composite metal clad enclosure/ metal sub-frame 3 - H.V. Terminal 3 sub-circuits; 19 Final Sub-Circuits	6	1	Type DO400/20 400 KVA; 13,800 127/254 V 10/		9,085	30	6,360	6,360	636,000
Outdoor sub-station No. 5: Serial No. (main entrance to complex - not y et installed) Transformer complete with primary and secondary protection instrumentation and control gear, housed in composite metal clad enclosure/metal sub-frame 3-H.V. Terminal sets 4 sub-circuits: 19 Final Sub-Circuits	6	1	Type DO630/20 630/400/2 x 115KVA: 13 800/460-V 3Ø 127/254 - V 1Ø		15,669	30	10,968	10,968	1,096,800
					Totals Carried to Summary -			23,688	2,368,800

Description of Item	Age in Years	No. Off	Specification	Manufacturer	Present Replacement Cost/ Unit, (USD)	Depreciation (%)	Present Value/Unit (USD)	Present Total Value (USD)	Present Value (GYD)
Outdoor sub-station No.6 Serial No. (Near Playfield) Transformer complete with primary and secondary protection instrumentation and control gear, housed in composite metal clad enclosure/ metal subframe 3-H.V. Terminal sets 3 - Sub Circuits; 19 Final Sub-Circuits	6	1	Type DO400/20 400 KVA: 13800 127/254-V 1Ø		9,085	30	6,360	6,360	636,000
L.V. Distribution (underground) Service Cable Sub-station No. 1 (MILLSITE) Building services: 20 services 1000 metre approximate total length of 3 x 10mm^2 & 3 x 25 mm^2 of PVC/PVC Cable plus 25 ENERGY METERS	6	1	Mains: 3 circuits 780 metres total length of 3 x 120 & 25mm^2 PVC/PVC Cable		24,319	30	17,023	17,023	1,702,300
L.V. Distribution (underground) service cable - Sub-Station No.2 (near MEDEX) Building Services: Forty-four (44) services 2200 metres total length approximately plus fifty (50) energy meters	6	1	Mains: Four (4) circuits 941 metres total length of 3 x 120mm^2 PVC/PVC cable		35,024	30	24,517	24,517	2,451,700
					Totals Carried to Summary -			47,900	4,790,000

Description of Item	Age in Years	No. Off	Specification	Manufacturer	Present Replacement Cost/ Unit (USD)	Depreciation (%)	Present Value Unit (USD)	Present Total Value (USD)	Present Value (SID)
L.V. Distribution (underground) service cable - sub-station No.3 Area 6 - Wamara Street) Building services: Twenty (20) services 1000 metres approximate total length, plus sixty-five energy meters	6	1	Mains: Five (5) circuits 1016 metres total length 3 x 120 mm^2 PVC/PVC cable		33,658	30	23,559	23,559	2,355,900
L.V. Distribution (underground) service cable - sub-station No.6 (near playfield) Building services: Fifty-three (53) services 2650 metres approximate total length, plus sixty-three (63) energy meters	6	1	Mains: Five (5) circuits 716 metres total length 3 x 120mm^2 PVC/PVC cable		31,114	30	21,780	21,780	2,178,000
H.V. Distribution cable (13.8KV supply) from Main Switchboard to township (sub-stations) via sub-station No.1 (Millsite)	6	1	1.9 Km of 70mm^2 of PILC underground cable		71,477	30	50,034	50,034	5,033,400
External Lighting (Township)	5	1	Forty-six (46) 125/250 Watts Mercury Vapour (M .V.) lamps complete with Wallaba poles, fixtures and underground composite cables		30,284	30	21,199	21,199	2,119,900
					Totals Carried to Summary -			116,572	11,657,200

Description of Item	Age in Years	No. Off	Specification	Manufacturer	Present Replacement Cost/ Unit (USD)	Depreciation (%)	Present Value/Unit (USD)	Present Total Value (USD)	Present Value (GYD)
External Lighting (Township)	5	1	Seventeen (17) 125/250 Watts M.V. Lamps complete with Wallaba poles, fixtures and overhead open-wire cables		5,333	30	3,733	3,733	373,300
External Lighting (Millsite)	5	1	Twelve (12) approximate 125/250 watts Mercury Vapour Lamps plus forty (40) approximate 400 watts Sodium vapour (S.V.) lamps complete with poles, fixtures and underground cables		40,502	30	28,352	28,352	2,835,200
External Lighting (Millsite)	5	1	Twenty-nine (29) 125/250 watts M.V. Lamps complete with Wallaba poles, fixtures and overhead open-wire cables		9,091	30	6,364	6,364	636,400
Fourteen (14) room air conditioners	4	1	8,000 - 30,000 BTU/hr		31,351	30	21,946	21,946	2,194,600
					Totals Carried to Summary -			60,395	6,039,500

Description of Item	Age in Years	No. Off	Specification	Manufacture	Present Replacement Cost/ Unit (USD)	Depreciation (%)	Present Value/Unit (USD)	Present Total Value (USD)	Present Value (SID)
Tipper Truck		2	3-Axle Model R6 86 RST	MACK	224,447	83	38,156	76,312	7,631,200
Tipper Truck		1	Short Wheel Base	IFA, Germany	202,000	72	56,560	56,560	5,656,000
Doll Low-bed Trailer		3	Model DSAT 24	EMIL DOLL Gmbh Fahrzug & Korossiere Bau Postfach 1150 Industriestrasse 13 Oppendau/Baden	88,376	59	36,234	108,702	10,870,200
Doll Logging Trailer		8	Model DL4	EMIL DOLL Gmbh Fahrzug & Korossiere Bau Postfach 1150 Industriestrasse 13 Oppendau/Baden	145,286	72	40,680	325,441	32,544,100
Doll High-Bed Trailer		7	DSAR 24	EMIL DOLL Gmbh Fahrzug & Korossiere Bau Postfach 1150 Industriestrasse 13 Oppendau/Baden	57,493	50	28,747	201,229	20,122,900
MB Doll Logging Truck		6	Half-Bed Tractor Type:DOLL II 2628 AK/35/6x6	Mercedes Benz	283,580	48	147,462	884,772	88,477,200
MB Logging Truck		1	Model LK 2624/36/6x4	Mercedes Benz	209,771	66	71,322	71,322	7,132,200
MB Logging Truck		7	Model LS 2624/36/6x4	Mercedes Benz	209,771	68	67,127	469,889	46,988,900
MB Truck Tractor		1	Model LS 2624/36/6x4	Mercedes Benz	209,771	39	127,961	127,961	12,796,100
MB Tipper Truck		1	Model LK 2624/33/6x4	Mercedes Benz	227,252	38	140,896	140,896	14,089,600
MB General Purpose Lorry		2	Model LK 1513/36 911/42B	Mercedes Benz	128,582	42	74,578	149,156	14,915,600
MB Tractor		3	Mode LS 1513/36BM/360 014	Mercedes Benz	114,597	98	2,292	6,876	687,600
MB Lumber Tractor		2	Model 2628/AK/36/6x6	Mercedes Benz	225,310	42	130,680	261,360	26,136,000
Fuel-Tanker Trailer		1	20,000 Litres capacity	Esterer		31			
Wheeled Log-Skidder		2		Clark 112 North University Drive, Farcio ND 58102/6019 U.S.A.	293,652	69	91,032	182,064	18,206,400
					Totals Carried to Summary -			3,062,540	306,254,000

Description of Item	Age in Years	No. Off	Specification	Manufacturer	Present Replacement Cost/ Unit (USD)	Depreciation (%)	Present Value/Unit (USD)	Present Total Value (USD)	Present Value (SYD)
Log Skidder		3	Model 528	Caterpillar	288,944	39	176,256	528,768	52,876,800
Crawler Bulldozer		1	Model D6B	Caterpillar	272,752	75	68,188	68,188	6,818,800
Crawler Bulldozer		1	Model D8K	Caterpillar	753,464	73	203,436	203,436	20,343,600
Crawler Bulldozer		1	Model D8L	Caterpillar	753,464	21	595,236	595,236	59,523,600
Front-End Loader		1	Cat 966C	Caterpillar	380,229	40	228,138	228,138	22,813,800
Front-End Loader		2	Cat 966D	Caterpillar	419,245	23	322,819	645,638	64,563,800
MB Tractor		3	Model 800/68	Mercedes Benz	97,117	42	56,328	168,984	16,898,400
MB Front-End Loaders		3	For MB 800 Tractors	Mercedes Benz	13,705	60	5,482	16,446	1,644,600
Side Loader Fork Lift		2	Climax 180 - 1400mm Forks	Kalmar Climax Ltd. Sandy Lane, Coventry U.K.	245,746	95	12,288	24,576	2,457,600
Side Loader Fork Lift		4	Lancer Boss	Lancer Boss Ltd. Leighton Buzzard, U.K.	139,872	64	50,354	201,416	20,141,600
Fork Lift		4	Lancer Boss	Lancer Boss Ltd. Leighton Buzzard, U.K.	103,063	64	37,103	148,412	14,841,200
Telescopic Lift		-1	JCB Handler Model	JCB Materials Handling Rocester, Staffs, U.K.	93,861	94	5,632	5,632	563,200
Motor Grader		3	CAT, Model 130G	Caterpillar	274,958	62	104,484	313,452	31,345,200
Mobile Crane		1	25-Ton Wheeled Diesel Electric	Coles	441,698	42	256,185	256,185	25,618,500
Crawler Crane		1	22 RB Dragline	Ruston Bucyrus	349,678	50	174,839	174,839	17,483,900
MB Mini-Bus		2	MB 309	Mercedes Benz	78,440	80	15,688	31,376	3,137,600
MB Ambulance		1	Model 5080	Mercedes Benz	52,000	39	31,720	31,720	3,172,000
MB Fire Tender		1	Model MB 2624	Mercedes Benz	306,082	38	127,771	127,721	12,777,100
Pickup		1	Kaimaster	Mazda	37,897	82	6,821	6,821	682,100
					Totals Carried to Summary -			3,727,034	377,703,400

APPENDIX 4 - MECHANICAL VEHICLES, PLANT AND EQUIPMENT

Description of Item	Age in Years	No. Off	Specification	Manufacturer	Present Replacement Cost/ Unit (USD)	Depreciation (%)	Present Value/Unit (USD)	Present Total Value (USD)	Present Value (GYD)
Saloon Car		1	Copella 1600 Model 616	Mazda	42,635	70	12,790	12,790	1,279,000
Saloon Car		3	Niva 1600 4x4	Lada	26,276	80	5,255	15,765	1,576,500
County Landrover		1	Mk2 LWB Turbo-Diesel	Rover	72,000	66	24,480	24,480	2,448,000
Landrover		4	SWB - Diesel	Rover	49,740	80	9,948	39,792	3,979,200
Station Wagon		4	LWB Land Cruiser 4x4	Toyota	85,268	67	28,139	112,556	11,255,600
Pickup		1	Model 1600	Datsun	33,160	86	4,643	4,643	464,300
Saloon Car		1	Model 210	Datsun	47,372	50	23,686	23,686	2,368,600
Saloon Car		1	Laurel	Nissan	66,320	21	52,393	52,393	5,239,300
Saloon Car		3	Sunny	Nissan	37,898	37	23,875	71,625	7,162,500
Saloon Car		1	Gallant GL	Mitsubishi	47,372	56	20,844	20,844	2,084,400
MB Bus		1	40-Seat - Model CA 10	Mercedes Benz	268,937	40	161,362	161,362	16,136,200
Small Electric Steam Generator		1			25,000	60	10,000	10,000	1,000,000
Concrete Mixer		1	200-litre Engine-driven		6,300	60	2,520	2,520	252,000
Concrete Mixer		1	500-litre Engine-driven		8,800	60	3,520	3,520	352,000
Trailer		3	6.4-ton Tipper	Mueller Mittelt	31,580	81	6,000	18,000	1,900,000
Fuel Tanker Trailer		1	2-Wheel (Ex Esso)	Mueller Mittelt	1,898	31	965	965	96,500
Service Truck		1	911/42B BM 35310222	Mercedes Benz	46,302	30	32,412	32,412	3,241,200
Mobile Workshop		1	Trailer Unit		71,572	40	42,943	42,943	4,294,300
					Totals Carried to Summary -			650,296	65,029,600

APPENDIX 5 - SPARES, NON-MOBILE PLANT AND SUB-ASSEMBLIES

Description	No. Off	US$	GUY$
SPARES -			
Mercedes Benz General Spares - 200m shelf space + Model 355 Engines x 2 Spare Tools			
Lancer Boss Spares Hydraulic Spares - Pipes Filters Rams			
Ford Tractor Spares			
JCB Spares Manufacturers Small Parts 15 M Shelves			
M.A.N. Generator Spares Filters and Engine Parts 6 M Shelves Set of Engine Valves Clark Log Skidder General Spares - Hydraulic 21 M Shelves			
Trailers Wheel Hubs, Axles, Suspension Components 10 M Shelves		100,624	10,062,400
Mack Truck 40 M Shelves Filters Bearings			
Land Rover Engine Spares - 1 Crankshaft Water Pump Electrical Oil Seals Gaskets 46 M Shelves			
Toyota Land Cruiser General Spares 19 M Shelves			
Caterpillar 275 M Shelves			
Fuel SYstems Inc. Pump - 1 Cylinder Head Complete General Engine Spares Hydraulic Spares Electrical Filters			
N.B. - Spares taken at current value - not depreciated			
Totals Carried to Summary -		100,624	10,062,400

Description	No. Off.	US$	GUY$
NON-MOBILE PLANT			
Dayton Arc Welding Set	1		
Dayton Gas Welding Set	1		
Cement Mixer	1		
Steel Steam Cleaner - (non-operational)	2		
Ingersol Rand Air Compressor	1		
Boge Air Compressor - (non-operational)	2		
Grundfos Water Pump			
Dalex Arc Welding Set	1		
Power Hack Saw - (non-operational)	1	83,853	8,385,300
Centre Lathe	1		
Bauknecht	1		
Grinding Machine	2		
Centre Lathe	1		
Hydraulic Press - (non-operational)	1		
Milling Machine	1		
Drill Press	2		
Hydraulic Lift - (non-operational)	1		
Service Unit	1		
Boring Bar	1		
Cutting Set	1		
Steam Genny	2		
Trolley Jack	2		
Vulcaniser	1		
Totals Carried to Summary -		83,853	8,385,300

Description	No. Off.	US$	GUY$
SUB-ASSEMBLIES -			
Transmission for Mercedes Benz, Model 5S-92-6P	1		
Engine for Mercedes Benz Truck Model 1513	1		
Engine for 4 Cylinder Land Rover (Petrol)	1		
Cummings Engine from Clarke Skidder	1		
Perkins Engine from JCB Telescopic	1	37,035	3,703,500
Engine for Mercedes Benz, Model 2624	1		
Engine for Caterpillar Skidder, Model 3306T	1		
Engine for Caterpillar Grader, Model 3304	1		
Winch from Mercedes Tractor 800	1		
Engine from Mercedes Benz Tractor 800	1		
Engine for Vauxhaul Saloon, Model 1200	1		
3 Transmissions from Mercedes Benz Trucks - Model 2624	3		
Totals Carried to Summary		37,035	3,703,500

APPENDIX 5A - LAND VALUES

Description	Area (Acres)	Present Value (USD)	Present Value (GUY$)
TOWNSHIP AND MILL SITE -			
Developed Area - (Land only)	22.37	1,068,532	106,853,200
Reserved Area	2,509.00	17,857	1,785,700
Forestry Area	545,468.80	1,888,570	188,857,000
		2,974,959	297,495,900

Description of Item	Age in Years	No. Off	Specification	Type of Construction	Present Replacement Cost/ Unit (USD)	Depreciation (%)	Present Value/Unit (USD)	Present Total Value (USD)	Present Value (GYD)
Workers' Houses									
Single Storey		9	24'6"x20'6" comprising 2 Bedrooms, Living Room, Dinging Room, Kitchen, Toilet and Bath with Septic Tank	All Buildings: R.C. Pad Footing R.C. Stub Columns supporting Timber Columns, Timber Floor, Joists & Beams, Timber external walls and partitions, Timber Roof Trusses supporting Timber Rafters with Wallaba Shingles on close boarding All external timber- Greenheart All internal timber- Crabwood	9,700	42	5,626	50,634	5,063,400
Two-Flat		56	As above but with two similar floors		13,310	42	7,720	432,320	43,232,000
Two-Apartment		30	Single Storey - 2 Rooms and Kitchen		5,148	42	2,986	89,580	8,958,000
One Room Apartments (Barrack type)		3	Total Area 5820 sq. ft.		12,500	42	7,250	21,750	2,175,000
One Room Apartments (L-Shaped Barrack t ype)		3	Total Area 2379 sq. ft.		7,678	42	4,453	13,359	1,335,900
New Two-Flat		20	24'6" x 20'6" comprising accommodation as for two-flat buildings above		19,477	5	18,503	370,060	37,006,000
Other Buildings		7	Total Area 4095 sq. ft.		4,000	50	2,000	14,000	1,400,000
Ration Store (now used for housing)		1	Total Area 6012 sq. ft.		92,565	65	32,398	32,398	3,239,800
Clerical Staff Houses									
Single Storey		8	24'6" x 20'6" comprising 2 Bedrooms, Living and Dining Rooms, Kitchen, Toilet and Bath and with Verandah 17'0" x 6'0" and Septic Tank		10,650	42	6,125	48,998	4,899,800
Senior Management Houses									
Single Storey		12	32'6" x 22'6" comprising 3 Bedrooms, Living & Dining Rooms, Kitchen, Toilet and Bath and with Verandah 17'0"x 6'0" and Septic Tank		14,320	42	8,306	99,672	9,967,200
					Totals Carried to Summary -			1,172,771	117,277,100

Description of Item	Age in Years	No. Off	Specification	Type of Construction	Present Replacement Cost/ Unit (USD)	Depreciation (%)	Present Value/Unit (USD)	Present Total Value (USD)	Present Value (GHS)
Community Centre		1	Single storey U-shaped multi-purpose structure. 197' x 80 overall - 8036 sq. ft.	Timber on R.C. Stub Columns	169,235	45	93,080	93,080	9,308,000
School		1	Single storey - 30'0" x 35'0" overall Total area 1050 sq. ft.	Timber on R.C. Stub Columns	16,250	45	8,938	8,938	893,800
Guest House		1	Upper Floor Area 3910 sq. ft. comprising six (6) self-contained Guest Rooms, Verandah, Living Room and Kitchen	Timber upper storey on R.C. Columns and foundations, with ground floor storeroom	84,130	40	50,478	50,478	5,047,800
					Totals Carried to Summary -			152,496	15,249,600

APPENDIX 7 - TOWNSHIP: MILL COMPLEX BUILDINGS AND TOWNSHIP INFRASTRUCTURE

Description of Item	Age in Years	No. Off	Type of Construction	Specification	Present Replacement Cost/ Unit (USD)	Depreciation (%)	Present Value/Unit (USD)	Present Total Value (USD)	Present Value (SGD)
Buildings									
Administration Building		1	Timber superstructure on concrete stub columns and R.C. pad foundations with single roof	Two-storey offices - 185'0" x 33'0" overall with sanitary facilities	225,643	45	124,104	124,104	12,410,400
Apartments (Barrack Type)			Timber superstructure on concrete stub columns and R.C. pad foundations with shingle roof	Single Storey - 96'0" x 30'0" overall Total Area 2880 sq. ft.					
Canteen		15	Timber superstructure on concrete stub columns and R.C. pad foundations with shingle roof	Single Storey - 112'0" x 52'0" overall Total Area -5825 sq.ft.	70,917	45	39,000	39,000	3,900,000
Houses			Timber superstructure on concrete stub columns and R.C. pad foundations with shingle roof	Single Storey - 20'0" x 14'0" and 50'0" x 30'0"					
Sheds (varying sizes)			R.C. pad foundations, tie-beams and floor slab on sandfill. Timber columns and roof tie-beams, roof trusses and close boarded shingle roof covering	Total Area of 34,370 sq. ft.	152,300	45	83,765	83,765	8,376,500
Mechanical Workshop and Stores		1	Timber superstructure on concrete stub columns and R.C. pad foundations with shingle roof	Single Storey 360'0" x 40'0" overall	159,962	45	87,979	87,979	8,797,900
Moulder Shed			A frame steel structure on R.C. pad foundations, tie beams and floor slab on sand fill	Sngle Storey 135'0" x 84'0" overall	172,920	40	103,752	103,752	10,375,200
Power Plant and Gasifier Building		1	Part steel, part timber frame with R.C. pad foundations, tie beams, and floor slab. Suspended timber sub-floor on timber floor joists, timber columns and roof with aluminium roofing sheets	Single Storey 320'0" x 100'0" overall	355,590	45	195,575	195,575	19,557,500
Sanitary Block and Septic Tank		1	Hollow concrete block walling, plastered both sides, on R.C. strip foundation and with ceramic tile floor and walls. Five (5) No.W.C. sets and wash-basins and all pipework	Single Storey 16'0" x 8'0" overall	12,870	40	7,722	7,722	772,200
					Totals Carried to Summary -			641,897	64,189,700

APPENDIX 7 - TOWNSHIP: MILL COMPLEX BUILDINGS AND TOWNSHIP INFRASTRUCTURE

Description of Item	Age in Years	No. Off	Type of Construction	Specification	Present Replacement Cost/ Unit (USD)	Depreciation (%)	Present Value/Unit (USD)	Present Total Value (USD)	Present Value (SLD)
Water Treatment Plant Building Overhead Storage Tank and Reservoir		1	R.C. columns on pad foundations with R.C. tie-beams. Hollow concrete block walling and shingle roof on timber trusses	Single Storey - 33'0" x 14'6"					
Overhead Water Storage Tank		1	Structural steel tower supporting mild steel reservoirs (high and low levels), on R.C. slab, concrete pile caps over timber piles	Overall dimensions 15'0" x 12'0"	215,160	40	129,096	129,096	12,909,600
Water Reservoir		1	R.C. reservoir	Overall dimensions 32'0" x 24'0" x 10'0" deep					
Ancillary Buildings (Control Rooms, Security Huts,		4	Timber construction	Single Storey - Total Area - 460 sq. ft.	3,388	45	1,863	1,863	186,300
Infrastructure									
Concrete Culverts (204 1-ft.)		7	R.C. Box Culverts, 35'0" x 2'6" x 2'6" with wing walls		30,085	40	18,051	126,357	12,635,700
Concrete Pond			Overall dimensions 24'0" x 24'0"	R.C. construction					
Manholes		9	Various sizes	R.C. sides, bottom and cover slab	1,386	40	832	7,488	748,800
Perimeter Fencing and 2 No. gates			3000 1-ft of Wallaba and Hardwood posts and staves. Tubular steel frame gates with weldmesh panels	Timber staves and timber posts in concrete, 2/2x4 runners and 1"x12" footboard, Weldmesh panel infill in tubular steel gates	27,312	45	15,022	15,022	1,502,200
Laterite access roads			22,800 1-ft x 21 ft wide comprising 9" laterite wearing course on 6" sand sub-base	Laterite on sand base	783,310	45	430,821	430,821	43,082,100
Water Treatment Plant		1							
					Totals Carried to Summary -			710,547	71,064,700

APPENDIX 7A - MARINE CRAFT

Description of Item	Age in Years	No. Off	Specification	Manufacturer	Present Replacement Cost/ Unit (USD)	Depreciation (%)	Present Value/Unit (USD)	Present Total Value (USD)	Present Value (BND)
Self-propelled Barge	7	2	350-ton Flat Deck Steel Pontoon with Caterpillar 3406T 275 h.p Engine	Meindertsma	363,969	45	200,183	400,366	40,036,600
					Totals Carried to Summary -			400,366	40,036,600

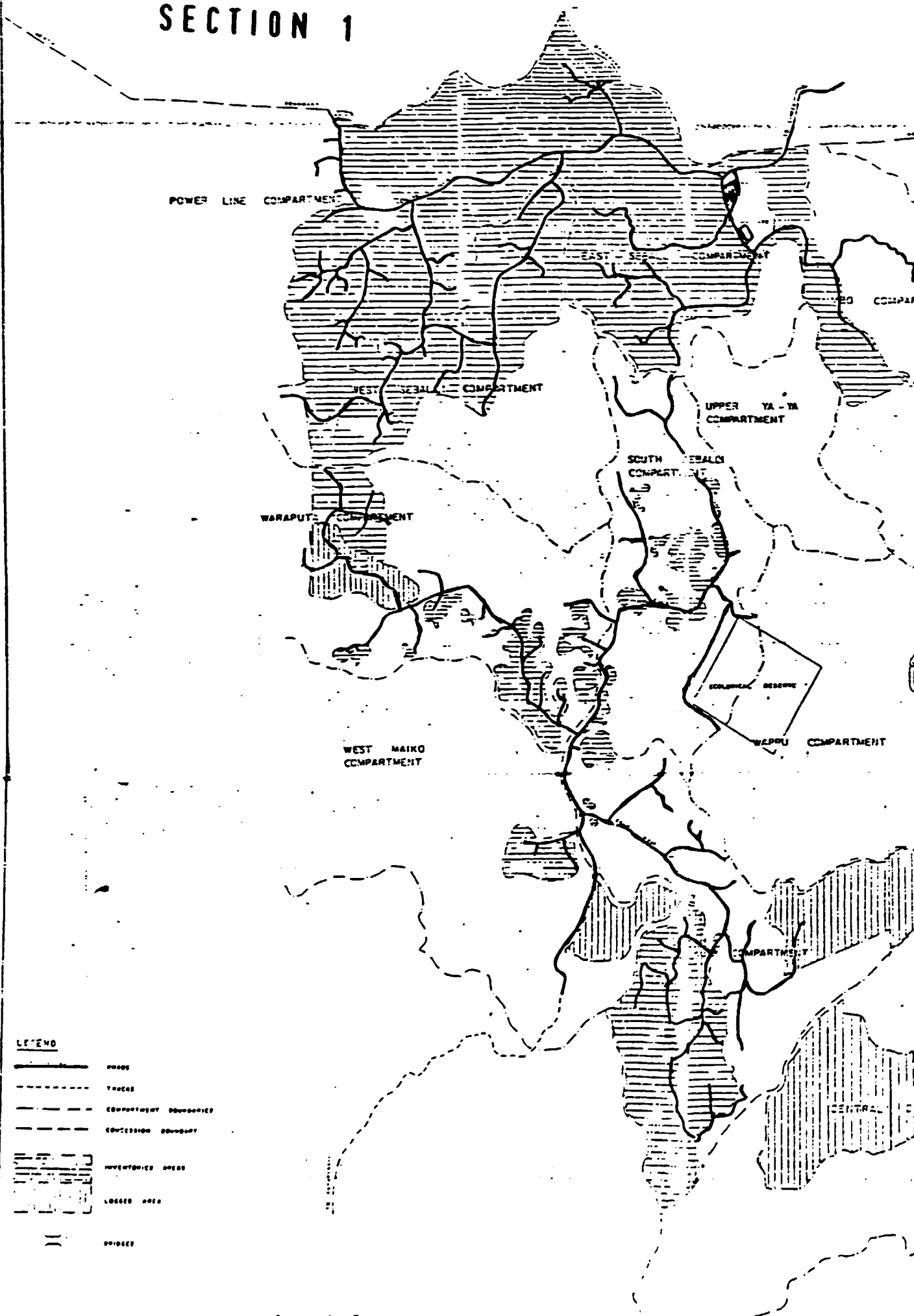
APPENDIX 7B - COMMUNICATION EQUIPMENT

Description of Item	Age in Years	No. Off	Specification	Manufacturer	Present Replacement Cost/ Unit (USD)	Depreciation (%)	Present Value/Unit (USD)	Present Total Value (USD)	Present Value (SID)
Telephone System	4	1	Philips UH200 PABX with ten (10) Exchange Lines and thirty (30) Extensions	Philips	48,870	20	39,096	39,096	3,909,600
'Radio-Phone' Equipment (set of three (3) Stations)	8	1	HF/SSB Transceivers and ancillary equipment	Freedich Brendel	35,640	28	25,661	25,661	2,566,100
							Totals Carried to Summary -	64,757	6,475,700

APPENDIX 8 - FOREST ROADS

Description of Item	Age in Years	No. Off	Specification	Length (km)	Present Replacement Cost/ Unit (USD)	Depreciation (%)	Present Value/Unit (USD)	Present Total Value (USD)	Present Value (G.D)
ROAD									
Powerline (F.G.)			White Sand and Sand-clay Subgrade	57.58	229,672	25	-	172,254	17,225,400
STRUCTURES									
Bridges		2	Wood		7,798	20	6,238	12,476	1,247,600
Box Culverts		2	Wood		300	20	240	460	46,000
ROAD									
West Seebali (F.G.)			White Sand Subgrade	38.37	153,048	15	-	130,091	13,009,100
ROAD									
Koriabukari Main (F.G.)			White Sand Subgrade	25.00	99,719	20	-	77,975	7,977,500
STRUCTURES									
Bridges		2	Wood		7,798	25	5,849	11,698	1,169,800
ROAD									
Ekuk (F.G.)			White Sand and Laterite Subgrade (Mainly Laterite)	55.56	221,614	15		188,372	18,837,200
STRUCTURES									
Bridges		2	Wood		7,798	15	6,628	13,256	1,325,600
Culverts		8	Hollow Tree		300	30	210	1,680	169,000
ROAD									
Waraputa (F.G.)			White Sand Subgrade	34.446	137,396	20	-	109,917	10,991,700
STRUCTURES									
Bridge		1	Wood		7,798	25	5,849	5,949	584,900
Culverts		5	Hollow Tree		300	25	225	1,125	112,500
ROAD									
South Seebali (F.G.)			White Sand and Sand-clay Subgrade	80.00	119,662	20	-	95,730	9,573,000
ROAD									
Imbo (S.G.)			Laterite Subgrade	17.00	27,234	12	-	23,966	2,396,600
STRUCTURES									
Culverts		16	Hollow Tree		300	35	195	3,120	312,000
Bridges		2	Wood		7,798	20	6,238	12,476	1,247,600
ROAD									
West Maiko (F.G.)			Clayey Sand Subgrade	3.753	14,252	35	-	9,264	926,400
					Totals Carried to Summary			871,550	87,155,000

SECTION 1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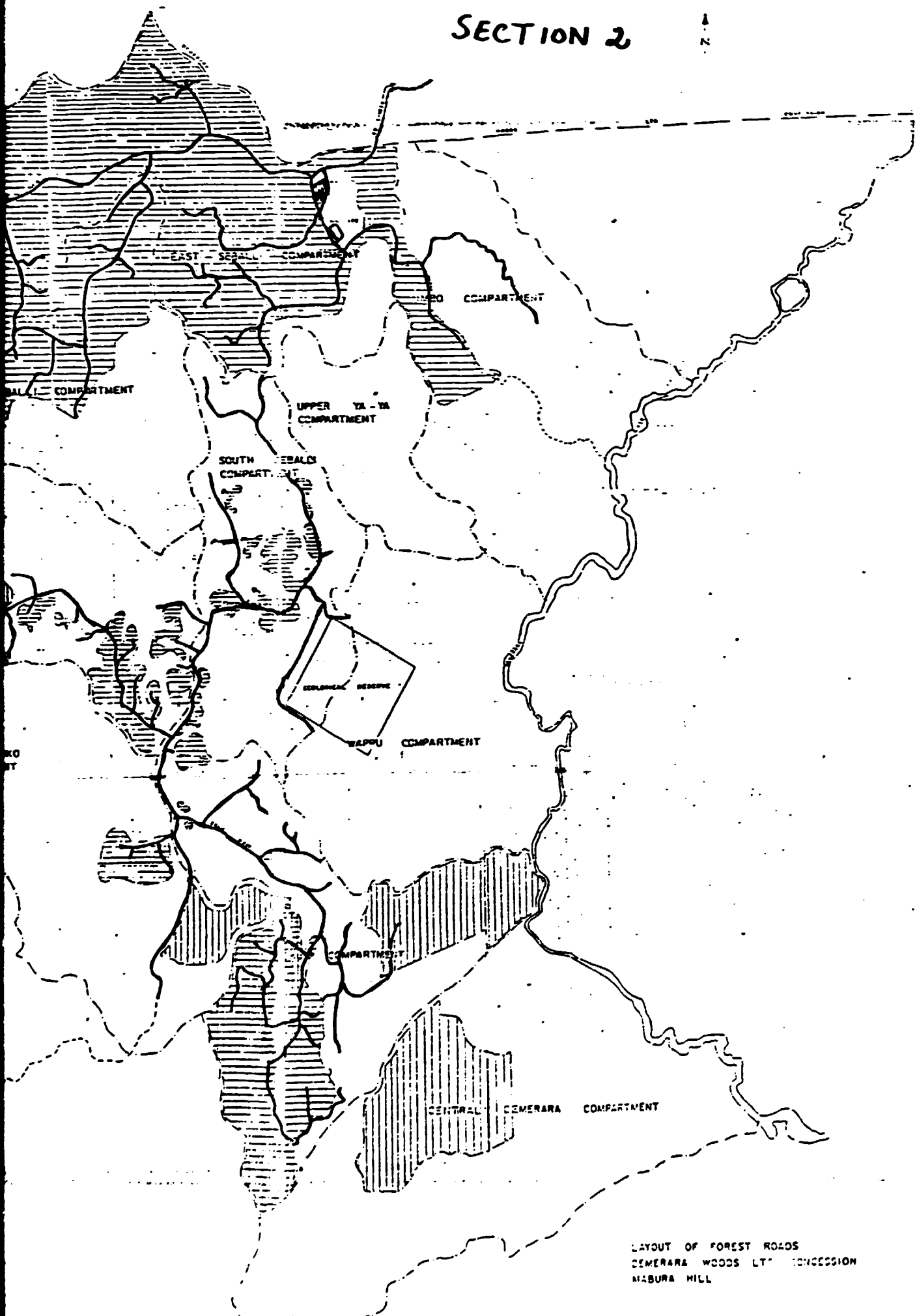
WARAPUTI COMPARTMENT
WEST MAIKO COMPARTMENT
WAPPU COMPARTMENT
LEGEND


SECTION 2
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MABURA HILL