

I-4 LIST OF PROJECT STAFF

LIST OF PROJECT STAFF  
(CENTRAL OFFICE, OKKYIN, BASSEIN)

SR. NO.	NAME	POST	DATE OF BIRTH	EDUCATION BACKGROUND	WORKING EXPERIENCE	PLACE OF WORK	REMARKS
1	U Aung Naing	Deputy Manager	30.12.38	B.Sc.(Forestry)	17 years	JICA Forestry Project (Central Office) Rangoon.	
2	U Nay Win	Liaison Officer	27.6.45	B.Sc.	14 years	"	
3	U Oo Myint	Deputy Manager	12.2.44	B.Sc.(For.)	13 years	Bassein	
4	U Nyo Thein	Deputy Manager	3.7.44	B.Sc.(For.)	13 years	Bassein	
5	U Khin Zaw	Deputy Manager	15.10.46	B.Sc.(For.)	9 years		
6	U Bo Lay	Deputy Manager	12.1.40	Burma Forest School	23 years		
7	Daw Yi Yi Win	Br.Supt.	14.1.41	B.A.	23 years		
8	U Chit Myiang	U.D.C.	7.3.42	B.A.	19 years		
9	U Hlaing Tin	U.D.C.	26.1.47	B.A.	17 years		
10	Ma Tin Tin Htay	L.D.C.	20.6.53	B.A.	2 years		
11	Maung Myint Sein	L.D.C.	3.9.55	B.A. (Eco); (Fourth Yr)	5 years		
12	Mg Cho Cho	L.D.C.	20.8.56	B.Sc.	1 year	JICA Forestry Project (Central Office) Rangoon.	
13	Ma Khin Thein	Typist	1.9.36	7th Std.	14 years		
14	Mg Aye	Driver	1.3.25	7th Std.	18 years		
15	Mg Nyein Mg	Driver	1.1.32	5th Std.	3 years		
16	Mg Ko Ko	Driver	13.12.52	8th Std.	2 years		
17	Mg Sein	Driver	1933	4th Std.	1 year		
18	Mg Myint Kyaing	Driver	10.3.56	8th Std.	1 year		
19	Mg Mya Oo	Driver	1.9.59	8th Std.	1 year		
20	Mg Mya Shwe	Driver	23.3.62	8th Std.	1 year		
21	Mg Shan Kuma	Driver	11.10.57	8th Std.	1 year		
22	Mg Myint Than	Driver	23.9.59	7th Std.	1 year		
23	Mg Kya Maung	Watchman	1922	4th Std.	4 year		
24	Mg Aung Sint	Watchman	17.3.38	4th Std.	1 year		
25	Mg Win Myint	Peon	1.10.54	8th Std.	5 years		
26	Mg Nay Win	Peon	19.2.62	7th Std.	2 years		
27	Mg Khin Soe	Peon	30.7.62	8th Std.	1 year		
1	U Win Myint	Deputy Manager	21.7.42	B.Sc.(For.)	14 years	Technical Training Centre, Okkyin, Rangoon.	
2	U Hla Min Oo	Deputy Manager	20.2.46	"	11 years		
3	U Chit Han	Deputy Manager	11.6.44	"	11 years		
4	U Wai Lwin	Deputy Manager (Engineer)	24.12.39	A.G.T.I.	17 years		
5	U Kyaw Aye	Timber Ranger	8.7.46	High School Final	17 years		
6	U Khin Mg Win	U.D.C.	23.7.45	B.A.	15 years		
7	U Kyee Khin	U.D.C.	19.6.45	B.Sc.(1st Yr.)	11 years		
8	Saw Ranger Lwin	L.D.C.	10.7.54	B.Sc.	3 years		
9	Saw Thar Htay	Peon	1.7.52	5th Std.	2 years		
10	Mg Myint	Gradener	2.5.32	4th Std.	1 year		
11	U Pe Khin	Chief Cook	12.3.32	4th Std.	10 years		
12	Mg San Win	Asst:Cook	3.8.63	6th Std.	2 years		
13	U Nyunt Mg	Driver	14.1.40	8th Std.	1 year		
14	Mg Ohn Win	Driver	4.11.57	5th Std.	2 years		
15	Mg Pe Tin	Watchman	14.12.34	5th Std.	3 years		
16	Mg Aung Din	Watchman	1946	5th Std.	3 years		
17	Mg Kyaw Win Naing	Watchman	4.6.62	7th Std.	2 years		
18	Mg Kyaw Myint	Watchman	5.11.43	5th Std.	2 years		
19	Mg Myint Way	Watchman	15.5.59	7th Std.	2 years		
20	Mg Shwe Htay	Labour		5th Std.	1 year		

SR. NO.	NAME	POST	DATE OF BIRTH	EDUCATION BACK-GROUND	WORKING EXPERIENCE	PLACE OF WORK	REMARKS
21	Mg Than Tun	Labour	6.1.53	5th Std.	1 year	Technical Training Center, Okkyin, Rangoon.	
22	U Tin Oo	U.D.C.(Typist)	23.9.45	10th Std.	18 years		
1	U Than Tun	Deputy Manager	20.9.43	B.Sc.(For.)	13 years	Bassein (Shawbya)	
2	U Nay Win	Deputy Manager (Engineer)	13.2.44	B.E.(Auto:)	14 years	Bassein(Workshop)	
3	U Zaw Weik	Deputy Manager	5.5.48	B.Sc.(For.)	9 years	Bassein (Chaungtha)	
4	U Zaw Win	Mechanic I	10.1.47	10th passed	13 years	Bassein (Workshop)	
5	U Ko Ko Win	"	5.12.56	A.G.T.I.(EG)	1 year	"	
6	U Aung Than	"	15.5.55	A.G.T.I.(MP)	1 year	"	
7	U Zaw Min	"	2.10.56	" (Civil)	1 year	"	
8	U Win Sein	Mechanic II	4.8.42	9th STD.	3 years	"	
9	U Aung Myo	"	23.3.56	9th Std.	2 years	"	
10	U Mya Than	"	17.12.55	10th std.	4 years	"	
11	U Hla Myint	"	5.1.53	9th Std.	7 years	"	
12	U Khin Soe	"	5.11.51	9th Std.	11 years	"	
13	U Sa Kyin Tun	"	12.1.57	T.H.S.(Auto:)	1 year	"	
14	U Tun Myint	"	22.4.59	" (Twin:)	1 year	"	
15	U Jow Tin Win	"	15.1.57	" (Electric)	1 year	"	
16	U Min Aung	Mechanic (Helper)	7.1.61	6th Std.	2 years	Bassein(Shawbya)	
17	U Khin Mg Swe	"	15.7.58	10th Std.	1 year	"(Workshop)	
18	U Tin Myo Win	"	12.9.60	8th Std.	1 year	"	
19	U Saw Naing	"	5.1.61	9th Std.	1 year	"	
20	U Soe Win	"	9.1.51	9th Std.	1 year	"	
21	U Khin Mg Aye	Yarder Operator(1)	3.2.53	6th Std.	5 years	"(Shawbya)	
22	U Khin Mg Yin	"	11.3.52	5th Std.	12 years	"	
23	U Ohn Myint	" (2)	6.7.57	5th Std.	2 years	"	
24	U Sein Win Mg	"	23.8.55	10th Std.	3 years	"	
25	U Mg Mg Tun	"	7.6.43	8th Std.	3 years	"	
26	U Aung San Htoo	"	4.1.50	9th Std.	4 years	"	
27	U Chit Tin (1)	Tractor Operator(1)	12.2.42	6th Std.	14 years	"	
28	U Hla Khin	" (2)	31.1.58	9th Std.	3 years	"	
29	U Soe Han	"	7.8.56	9th Std.	4 years	"	
30	U Sein Tun	"	25.11.49	8th Std.	12 years	"	
31	U Chit Tin (2)	" (3)	12.2.37	6th Std.	2 years	"	
32	U Mya Win	"	1.6.58	4th Std.	2 years	"	
33	U Myint Oo	"	11.8.61	5th Std.	4 years	"	
34	U Khin Mg Zaw	Skidder Operator(2)	20.5.61	5th Std.	3 years	"	
35	U Soe Win	"	10.10.58	5th Std.	15 years	"	
36	U Khin Nyein	" (3)	5.6.57	5th Std.	2 years	"	
37	U Aye Win	"	2.9.60	5th Std.	1 year	"	
38	U Kyi Win	Driver (2)	2.9.60	5th Std.	1 year	"	
39	U Bo Ni	"	31.1.44	7th Std.	14 years	"	
40	U Kyi Aye	"	8.6.43	6th Std.	2 years	"	
41	U Tin Thaug	"	2.9.47	7th Std.	13 years	"	
42	U Pan Kyi	"	4.12.43	5th Std.	3 years	"	
43	U Kyin Tun	" (3)	2.11.41	5th Std.	9 years	"	
44	U Hla Win	"	5.1.57	5th Std.	2 years	"	
45	U Saw Win Naing	"	14.10.54	7th Std.	2 years	"	
46	U Tin Myint	"	1.1.54	9th Std.	1 year	"	
47	U Aye Kyaw	"	23.6.37	7th Std.	1 year	"	
48	U Win Kyi	"	10.1.52	5th Std.	1 year	"	
49	U Aung Myint	"	3.1.35	7th Std.	1 year	"	
50	U Tin Than	"	1.3.45	9th Std.	1 year	"	
51	U Mya Aye	"	12.3.53	9th Std.	1 year	"	

SR. NO.	NAME	POST	DATE OF BIRTH	EDUCATION BACK-GROUND	WORKING EXPERIENCE	PLACE OF WORK	REMARKS
52	U Saw David	Operator	11.3.46	5th Std.	3 yrs.	Bassein(Shawbya)	
53	U Saw Throw	"	20.4.53	5th Std.	1 yr.	"	
54	U Hla Kyi	"	12.7.54	8th Std.	"	"	
55	U Win Shein (1)	"	7.12.53	5th Std.	"	"	
56	U Win Shein (2)	"	3.5.53	"	"	"	
57	U Kyaw Khin	"	4.5.59	"	"	"	
58	U Saw Kyaw Lay	"	18.10.52	6th Std.	"	"	
59	U Saw Thu Lay	"	18.10.51	5th Std.	"	"	
60	U Win Myint (1)	"	3.10.58	"	"	"	
61	U Saw Dewel	" (Helper)	24.1.60	"	"	"	
62	U Than Win	"	6.12.62	"	"	"	
63	U Tin Oo	"	7.9.59	"	"	"	
64	U Than Mg	"	15.8.58	"	"	"	
65	U San Win	"	11.5.50	"	"	"	
66	U Lone	"	13.5.42	"	"	2	
67	U Tin Soe	"	13.4.60	"	"	"	
68	U Aung Myint	"	5.3.53	"	"	"	
69	U Soe Myint	"	15.2.54	"	"	"	
70	U Khin Soe	"	1.8.58	"	"	"	
71	U Mya Thein	"	9.2.61	"	"	"	
72	U Win Kyaing	"	15.6.58	"	"	"	
73	U Saw Ah Htoo	"	9.4.57	6th Std	"	"	
74	U Khin Zaw	Chookerman	13.12.60	7th Sta	"	"	
75	U Khin Win	"	15.6.61	5th Std	"	"	
76	U Aung Naing	"	23.6.63	7th Std	"	"	
77	U MyaOhn	"	6.9.57	5th Std	"	"	
78	U Thein Win	"	16.10.59	"	"	"	
79	U Min Aung	"	7.1.61	6th Std	"	"	
80	U Win Myint (2)	"	11.1.60	7th Std	"	"	
81	U Tin Shwe	"	8.11.58	5th Std	"	"	
82	U Parti	"	4.1.49	"	"	"	
83	U San Aung	"	2.7.46	"	"	"	
84	U Kyi Win	"	9.1.53	"	"	"	
85	U Saw Bay Lay	"	1.11.51	"	"	"	
86	U Tun Shwe	"	9.12.57	"	"	"	
87	U Phone Myint	"	15.6.62	7th Std	"	"	
88	U Kyaw Nwe	"	3.6.55	6th Std	"	"	
89	U Tin Hla	"	12.4.54	10th Std	"	"	
90	U Saw Peter	Welding (2)	11.8.56	T.H.S.	"	"(Workshop)	
91	U Myint Aung (1)	Radio Mecht	1.9.37	9th Std.	2 yrs.	"(Main Office)	
92	U Myint Aung (2)	Radio Operator	10.1.41	7th Std.	3 yrs.	"	
93	U Hla Shwe	"	9.2.38	"	2 years	"	
94	U Lay Myint	"	8.11.44	9th Std.	"	"	
95	U Kan Thein	"	8.2.43	7th Std.	"	"	
96	U Hla Thein	"	25.4.39	8th Std.	"	"	
97	U Mg Myint	"	1.3.41	7th Std.	1 yr.	"	
98	U Ohn Khin	U.D.C.	16.4.44	H.S.F.	15 yrs.	"	
99	Daw Kyi Kyi Toe	"	8.2.48	B.A.(1st Yr.)	7 yrs.	"	
100	Daw Khin Mar Nyo	"	29.4.56	B.Sc.(Bot.)	5 yrs.	"	
101	Mg Thein Hlaing	L.D.C.	8.7.49	10th Std.	2 yrs.	"	
102	Mg Sein Myint	"	17.9.57	B.Sc.(2nd Yr.)	1 yr.	"(Workshop)	
103	U Htya Win	L.D.C.	15.5.59	B.A.(2nd Yr.)	"	"(Main Office)	
104	U Kyaw San	"	2.2.59	B.Sc.(2nd Yr.)	"	"	
105	Mg Than Win	Peon	21.11.54	9th Std.	"	"	
106	Mg Myint Thein	"	16.9.55	"	"	"(Shawbya)	
107	Mg Aung Htay	"	2.1.63	6th Std.	"	"(Workshop)	
108	Mg Thet Swe Oo	Dak Runner	16.8.59	8th Std.	"	"(Main Office)	
109	Mg Myint Than	Cleaner	20.3.59	5th Std.	"	"(Workshop)	

SR. NO.	NAME	POST	DATE OF BIRTH	EDUCATION BACK-GROUND	WORKING EXPERIENCE	PLACE OF WORK	REMARKS
110	Mg Char Paw	Watchman	14.4.18	5th Std	2 yrs.	Dassain(Workshop)	
111	Mg Thein Shwe	"	10.8.52	"	"	"	
112	Mg Han Tin	"	6.10.25	"	"	"	
113	Mg Khin Latt	"	10.7.57	8th Std	1 yr	" (Rest House)	
114	Mg Than Myint	"	2.11.29	6th Std	"	"	
115	Mg Fji Win	"	5.1.51	8th Std	"	" (Transit Camp)	
116	Mg Tun Myint	"	15.5.32	5th Std	"	" (Workshop)	
117	Mg Soe Tint	"	11.8.53	8th Std	"	"	
118	Mg Thein Han	Gardener	1.11.27	5th Std	2 yrs.	" (Rest House)	
119	Mg Ngwo Tun	Asst:Cook	2.1.58	7th Std	"	"	
120	Mg Hla Myint	Driver	5.4.35	5th Std	"	" (Main Office)	
121	Mg Hla Tun	"	11.5.35	8th Std	1 yr.	"	
122	Mg Tun Myint	"	10.12.46	7th Std	"	" (Shawbya)	
123	Mg Saw Lwin	"	11.2.34	7th Std	"	" (Main Office)	
124	Mg Mya Aye	"	22.4.46	6th Std	"	" (Workshop)	
125	Mg Soe Myint	"	22.11.41	8th Std	"	"	
126	Mg Thein Tun	"	10.11.61	6th Std	"	"	
127	Mg Thein Win	"	17.11.47	8th Std	"	"	
128	Mg Saw Du Thu	Timber Ranger	10.10.44	H.J.P.	16 yrs.	" (Shawbya)	
129	U Saw Timothy	"	27.11.42	"	"	"	
130	Mg Hla Cho	Chaungoko	21.6.52	9th Std	9 yrs.	"	
131	Mg Kyin Sein	"	18.9.46	8th Std	12 yrs.	"	
132	Mg San Yin	"	7.11.44	5th Std	9 yrs.	"	
133	Mg San Nyunt	"	24.3.45	10th Std	14 yrs.	"	
134	Mg Kyaw Win	"	1.4.51	9th Std.	7 yrs.	"	
135	Mg Nay Dun	"	10.10.43	9th Std.	16 yrs.	"	
136	Mg Than Kyaing	"	14.10.47	"	9 yrs.	"	
137	Mg Win Kyaing	Chaunggaung	13.3.60	8th Std.	1 yr.	"	
138	Mg Than Oo	"	21.10.59	9th Std.	"	"	
139	Mg Soe Myint	"	10.1.55	8th Std.	"	"	
140	Mg Aung Win	"	15.9.56	10th Std.	"	"	
141	Mg Tin Sein	"	24.7.54	"	"	"	
142	Mg Myint Tun	"	11.5.59	"	"	"	
143	Mg Win Naying	"	29.8.56	"	"	"	
144	Mg Kyaw Lwin	"	2.2.59	B.A.(1st Yr.)	"	"	
145	Mg Tin Swan	"	4.8.57	10th Std.	"	"	
146	Mg Myint Lwin	"	5.4.59	"	"	"	
147	Mg Htay Lwin	Labourer	9.1.60	B.Sc.(1st Yr.)	"	"(Workshop)	
148	Mg Khin Mg Oo	"	1.8.58	9th Std.	"	"(Main Office)	
149	Mg Nyein Tun	Workshop Helper	4.5.51	10th Std.	"	"(Workshop)	
150	Mg Thong Swe	"	4.11.60	"	"	"	
151	Mg Aung Kyi	"	12.6.61	9th Std.	"	"	
152	Mg Mg Than	Fire Watch	5.11.30	6th Std.	"	"	
153	Mg Sa Ehe Lyaung	Office Helper	12.10.59	B.A.(2nd Yr.)	"	"(Main Office)	
154	Mg Hla Wai	"	6.8.58	9th Std.	"	"	
155	Mg Saw Yi Mg	Chockerman	11.3.64	5th Std.	"	"(Shawbya)	
156	Mg Than Sbein	"	15.6.59	7th Std.	"	"	
157	Mg Tin Thein	"	12.10.60	"	"	"	
158	U San Tun	U.T.O.	29.9.53	B.Sc.(Per.)	2 yrs.	"	
159	U Nyunt Win	"	28.11.54	"	"	"	
160	U Mg Mg Toe	"	19.9.54	"	"	"	
161	U Myint Oo (1)	"	25.11.54	"	"	"	
162	U Myint Oo (2)	"	1.3.54	"	"	"	
163	U Ohn Khine	"	21.9.53	"	"	"	
164	U Thein Tun	"	22.7.55	"	"	"	
165	U Nyunt Shwe	"	25.5.52	"	"	"(Main Office)	

I - 5 PROJECT CAPITAL COST ESTIMATE AND ACTUAL EXPENDITURE  
 (LOCAL BUDGET FOR THE YEAR 1978/79 TO 1981/82) .....

TIMBER CORPORATION  
 JICA FORESTRY PROJECT  
 PROJECT CAPITAL COST ESTIMATE AND ACTUAL EXPENDITURE  
 (LOCAL BUDGET FOR THE YEAR 1978/79 TO 1981/82)

(Value Kyats in thousand)

Sr. No.	Particulars	1978/79		1979/80		1980/81		1981/82		Total	
		Budget Allotment	Actual	Budget Allotment	Actual	Budget Allotment	Actual	Budget Allotment	Actual	Budget Allotment	Actual
1	2	3	4	5	6	7	8	9	10	11	12
1	Preliminary Works and Other	1164.0	299.3	723.0	723.0	1122.1	1122.0	907.3	907.3	3916.4	3051.6
2	Construction of Building and Forest Roads	2645.0	2645.0	2306.0	2306.0	75.0	75.0	400.0	400.0	5426.0	5426.0
3	Received, Transportation Installation of Machinery Equipment & Materials	1282.8	3.6	1158.4	34.5	1021.1	168.4	764.4	400.0	4226.7	606.5
4	Office Equipment, Office Furniture and Office Vehicle	148.6	12.0	107.3	14.2	201.1	201.1	18.3	18.0	475.3	245.3
5	Contingencies	-	-	-	-	-	-	-	-	-	-
	Total	5240.4	2959.9	4294.7	3077.7	2419.3	1566.5	2090.0	1725.3	14044.4	9329.4

I - 6 LIST OF TRAINEES (LOCAL)

LIST OF TRAINEES (LOCAL) - Managers' Course

Sr. No.	Name	Date of Birth	Age (then)	Education Background	Present Post	Remarks
<u>Logging Managers' Course I</u>						
1	U Tin Chain	3- 5-49	33	B.Sc.(Forestry)	Dy. manager	Training Period is (6-4-79) to (12-5-79).
2	U Thein Zaw	17- 6-51	31	"	"	
3	U Khin Zaw	15-10-46	36	"	"	
4	U Than Tun	20- 9-43	39	"	"	
5	U Aung Khin	20- 8-44	38	"	"	
<u>Logging Managers' Course II</u>						
1	U Nay Win	27- 6-45	37	B.Sc.	Dy. Manager	Training Period is (21-4-80) to (31-5-80).
2	U Hla Min Oo	20- 2-46	36	B.Sc.(Forestry)	"	
3	U Mg Kyint	7-10-47	34	"	"	
4	U Mg Mg Kyint	27-12-49	32	"	"	
5	U Myint Aye	6- 9-50	32	"	"	
<u>Logging Managers' Course III</u>						
1	U Saw Ohn Mg	17- 9-42	40	B.Sc.(Forestry)	Dy. Manager	Training Period is (20-4-81) to (5-6-81).
2	U Oo Myint	12- 2-44	38	"	"	
3	U Myo Thein	3- 7-44	38	"	"	
4	U Tin Hla (2)	25-10-44	38	"	"	
5	U Khin Mg Oo	27- 5-45	37	"	"	
6	U Tun Oo	12- 7-44	38	"	"	
7	U Win Lwin	9-10-46	36	"	"	
8	U Thein Win (2)	26-10-45	37	"	"	
9	U Mg Gale	6-11-45	37	"	"	
10	U Kyaw Thu	29-10-48	34	"	"	

LIST OF TRAINEES (LOCAL) Logging Craftsmen Course

Sr. No.	Name	Date of Birth	Age (then)	Education Background	Present Post	Remarks
<u>Course I</u>						
1	U Kyaw Aye	8-7-46	36	High School Final	Timber Ranger	Training Period is (11-6-79) to (10-11-79).
2	U Hla Kyaw	5-2-45	37	"	"	
3	U Joo Kyint	12-12-45	36	"	"	
4	U Saw Timothy	27-11-42	40	"	"	
5	U Saw Du Thu	10-11-44	38	"	"	
6	U Kyaw Sein	14-8-43	39	10th Std.	"	
7	U Win Ko	12-2-41	41	H.S.F.	"	
8	U Tin Ngwe	1-7-44	38	"	"	
9	U Tun Sein	8-6-44	38	8th Std	Chaung Oke	
10	U Hg Sann	24-4-42	40	"	"	
11	U Set Hg	30-4-47	35	9th Std.	"	
12	U Hg Hg Tun	16-4-45	37	8th Std.	"	
13	U Khin Soe	10-3-41	41	"	"	
14	U Nyan Tin	11-3-41	41	H.S.F.	"	
15	U Thauung Shwe	20-4-41	41	7th Std.	"	
16	Hg Hla Shwe	1-7-52	30	"	Driver Grade II	
17	Hg Khin Hg Aye	14-2-52	30	6th Std.	"	
18	Hg Khin Hg Yin	1-11-52	30	"	"	
<u>Course II</u>						
1	U Khin Aung Zin	25-9-45	37	High School Final	Timber Ranger	Training Period is (16-6-80) to (29-11-80).
2	U Saw Pu	11-9-43	39	"	"	
3	U Po Saw	4-6-45	37	"	"	
4	U Saw Po Ye	4-5-45	37	"	"	
5	U Tun Hla	25-9-44	38	8th Std.	Chaung Oke	
6	U Hay Dun	4-9-43	39	"	"	
7	U Aung Than	24-11-45	37	"	"	
8	U Do Kyi	30-3-43	39	H.S.F.	"	
9	U Tin Ngwe	27-10-42	40	8th:Std.	"	
10	U Ye Kyint Aung	9-3-53	29	10th:Std.	Driver	
11	U Than Min	7-6-54	28	"	"	
12	U Aung San Htoo	4-1-50	32	"	"	
13	U Saw Htee Say	1-11-51	31	8th:Std.	"	
14	U Hg Hg Tun	6-3-46	36	7th:Std.	"	
15	U Sein Min Hg	1-8-55	37	9th:Std.	"	
<u>Course III</u>						
1	U San Myunt	24-4-45	37	High School Final	Chaung Oke	Training period is (22-6-81) to (7-11-81).
2	U Chit Faing	7-10-44	38	8th:Std.	Chaung Gaung	
3	U Win Kyaing	13-3-60	22	9th:Std.	"	
4	U Than Oo	20-11-59	23	"	"	
5	U Myint Tun	11-5-59	23	10th:Std.	"	

LIST OF TRAINEES (LOCAL) Logging Craftsmen Course

Sr. No.	Name	Date of Birth	Age (then)	Education Background	Present Post	Remarks
6	U Soe Myint	10- 1-55	27	8th.Std.	Chaung Gaung	
7	U Tin Sein	24- 7-54	28	9th.Std.	"-	
8	U Tin Shwe	10- 4-54	28	"-	Driver Grade III	
9	U Win Kyi	11- 3-53	29	6th.Std.	"-	
10	U Hla Win	5- 1-57	25	"-	"-	
11	U Win Hlaing	12-10-52	30	"-	"-	
12	U Min Aung	7- 1-61	21	7th.Std.	Chocker man	
13	U Tin Hla	12- 4-54	28	9th.Std.	"-	
14	U Thein Nyunt	3- 8-38	44	7th.Std.	Labour	
15	U Than Win	29-11-50	32	"-	"-	
<u>Course IV</u>						
1	U Sein Thaug	14- 7-45	37	High School Final	Timber Ranger	
2	U Saw Aye Han	30- 6-47	35	"-	"-	
3	U Nyan Tun	24- 5-45	37	"-	"-	
4	U Aung Kyaw Zan	13- 9-45	37	"-	"-	
5	U San Nyein	11- 6-45	37	"-	"-	
6	U Aung	30- 9-44	38	"-	Chaung Oko	
7	Saw Shi Sho	18-12-43	38	7th.Std.	"-	
8	U Ye Tun	10- 9-52	30	10th.Std.	"-	
9	U Thaug Oo	1- 5-39	43	7th.Std.	"-	
10	U Lyint Lwin	5- 4-59	23	9th.Std.	Chaung Gaung	
11	Mg Aung Naing	23- 6-63	19	7th.Std.	Driver	
12	Mg Khin Zaw	18-12-60	21	"-	"-	
13	Mg Khin Win	15- 6-61	21	5th.Std.	"-	
14	Mg Ohn Kyint	6- 7-57	25	"-	"-	
15	Mg Khin Kyint	25- 7-55	26	6th.Std.	"-	



LIST OF TRAINEES (LOCAL) Repair Craftsmen Course

Sr. No.	Name	Date of Birth	Age (then)	Education Background	Present Post	Remarks
				<u>Course I</u>		
1	U Mya Than	17-12-55	26	10th.Std.	Mechanic II	Training period is (19-11-79) to (22-12-79).
2	U Hla Myint	9- 5-53	29	9th.Std.	Mechanic II	
3	U Aung Myo	25- 3-56	26	-"-	Mechanic II	
4	U Zaw Win	10- 1-47	35	10th.Std.	Mechanic I	
5	U Win Sein	2- 8-44	38	High School Final	Mechanic II	
				<u>Course II</u>		
1	Mg Sein Too	1- 2-59	23	10th.Std.	Mechanic Helper	Training period is (2-6-80) to (27-9-80).
2	Mg Chit Han	15-10-58	24	Technical High School	Mechanic Grade II	
3	Mg Win Hlaing	5- 6-55	27	A.G.T.I.(Mechanical)	-"-	
4	Mg Win Swe	26- 1-53	29	10th.Std.	Mechanic Helper	
5	Mg Tin Mg Aye	26- 7-56	26	-"-	-"-	
6	Mg Ye Myint	5- 5-51	31	8th.Std.	-"-	
7	Mg Thet Wai	2- 6-58	24	T.H.S.	Mechanic Grade II	
8	Mg Khin Soe	5-11-51	31	10th.Std.	-"- II	
9	Mg Kyaw Myint	7- 4-53	29	9th.Std.	-"- III	
10	Mg Kyaw Min	1- 1-55	27	10th.Std.	-"- III	
				<u>Course III</u>		
1	Mg Soe Min	9- 1-51	31	8th.Std.	Mechanic Helper	Training period is (28-9-81) to (31-1-82).
2	Mg Saw Hlaing	5- 1-61	21	-"-	-"-	
3	Mg Khin Mg Swe	15- 7-58	24	9th.Std.	-"-	
4	Mg Tin Lye Win	9- 9-60	22	7th.Std.	Workshop Helper	
5	Mg Thuang Swe	4-11-60	22	9th.Std.	-"-	
6	Mg Aung Kyi	12- 5-61	21	-"-	-"-	

I-7 到着時期別機材リスト

Sp. No.	Description	Head Office	Qty	Serial No.	10-79	4-12-79	7-12-79	1-80	2-80	3-80	4-12-80	1-81	3-81
1	Chain Saw CS-1001 VL		3	30	9Sets					9Sets			17 Sets
2	Do- 63-750 VL		1	2	1Set					1			
3	Dash Outfit SM-401		2	2	5								
4	Card Cabinet No. KC-23		1	1	1pc								
5	Schedule Greenboard (900 x 1200mm) SG-345		1	1	1								
6	Portable Typewriter No. 715		1	1	1 Set								
7	Rolling Cabinets No. 65-517(BL)		1	1	2 pc								
8	Shutter Cases LM-A7		1	1	2								
9	Letter Cases LM-A7		1	1	2								
10	Typewriters PL-83		1	2	2 Sets								1 pc
11	Reck Desk Recopy Machine SD-105		1	1	1								
12	Stand No. SMK for Recopy Machine SD-105		1	1	1								
13	Transformer No. H for Recopy Machine SD-105		1	1	1								
14	Hand-Printer P 10-D with AC adaptor		1	1	1 pc								
15	Schedule Greenboards SG-345 900x1200mm		1	1	2								
16	Pencil Sharpener No. 17		1	1	2								
17	Outfit No. 12D		1	1	1								
18	Mitsubishi Jeep E-338		2	1	3Units								
19	Toyota-Lee HE20LJR		1	1	1 Set								
20	Mitsubishi Delica Star Wagon 1500 HX		1	1	1Unit								
21	Radio System for Murgoon & Resmeth SBS Radio Telephone JSD-58		3	1	2 Sets					1 Set			
22	Refrigerator RM-076		1	1	4								
23	Servo Window mounted Air Conditioner SL-165-JH		1	1	3								
24	Garanteed Weight Motors 951-003265 Type		2	2	2 pc								
25	Sling Rope 28mm 6x24 16M		8	22011	2011								
26	Sling Rope 28mm 6x24 7M		1	2	2								
27	Sling Rope 28mm 6x24 6M		1	2	2								
28	do- 5M		1	2	2								
29	do- 4.5M		1	2	2								
30	T-50 Logging Tractor No. 460, 419		1	4	1Unit								1Unit
31	Mitsubishi Hydraulic Excavator H2070		1	1	1								*1 Set
32	Portable compressor PPR-125		1	1	1								*1
33	Honda Fantasy 26 Light Bus A573		1	1	1								*1
34	Diesel Engine Generator SDG-40		1	1	1								*1
35	Hanch Model T-32-2H		1	1	1								1
36	Jan Crasher 1610		1	1	1								1
37	Out-boat Engine 55H/L		1	4	1								4
38	Automatic Voltage Regulator SMM-202H		1	1	1								1
39	Garbage B C D - 14(3t)		1	1	1 pc								1 pc
40	Loading Block BLS-31E(3t)		1	1	1								1

Sr. No.	Description	Head Office	Origin	29-10-79	4-12-79	7-12-79	26-12-79	28-1-80	25-2-80	2-3-80	31-3-80	30-1-81	3-3-81	27-2-82
41	Leading Hook WLLA-3D			1		1								
42	Salitic Hooks M201 (20t)			2		2								
43	Hook Sheet M1.28-S (20t)			2		2								
44	Engine Support M208(5t)			1		1								
45	Guide Hook M5.7B (5t)			12		12								
46	-do- M5.9B (3t)			10		10								
47	-do- M5.12PB (3t)			2		2								
48	Weight M1701			2		2				1				
49	Small Pulley 20 3F			3	27	5				5				20
50	Hook line clamp M5.150			2		1				1				
51	Wire Clip M210			40		40								
52	-do- M212			1650		1650								1600
53	-do- M216			10		10								
54	-do- M224			20		20								
55	Chackles (10mm)			10		10								
56	-do- (13mm)			23		20								
57	-do- (22mm)			10		10								
58	Special Chackles 2F.16			10		10								
59	Slip Hooks M2.102			30		30								
60	Special Clips (24mm)			2		2								
61	-do- (12mm)			3		3								
62	-do- (10mm)			2		2								
63	Operating Support BF-3			1		1								
64	Engine clamp M228			1		1								
65	Engine 24mm x 1000a			1		1								
66	Hook Machine 10mm x 3,000a			1		1								
67	Lifting line 12mm x 3,000a			1		1								
68	Support line 16mm x 100a			10		10								
69	Slip Rope 12mm x 4a			10		10								
70	-do- 12mm x 5a			10		10								
71	-do- 12mm x 5a			10		10								
72	Checker Hooks M251			30		30								
73	Eye Sockets M211			39		39								
74	Rope of Saddle Support (24mm x 6a)			5		5								
75	Transceiver			1		1								
76	Portable Crane M1-16			1		1					3			4
77	Wire Splice Tool			1		1								
78	Group Rope (10-12) M21-1			1		1								
79	-do- (14-16) M21-2			1		1								
80	Group Rope (24-26) M21-5			1		1								

St. No.	Description	Head Office	Quantity	Receipt	7-10-79	4-12-79	7-12-79	1-30-79	3-30-79	5-30-79	12-20-79	2-3-81	10-31-81
81	Wire Cutter D-30		1	6			1			6			
82	" " " " " " " "		1	4			1						
83	Function meter T-5		1	4			1			3			1
84	Zamm (Shaft 70mm)		1	1			1						
85	Air cording Apparatus of polo PL-1		2	21			1			6			10 cots
86	Safety Belt No.63		2	13			3			6			6
87	Stretching apparatus No.4		8	7			3			12			
88	Watchet Spanner with Socket 10x12mm/17-12mm/17-12mm/17-12mm		1	2			3						
89	" " " " " " " "		1	3			1						
90	Main Cable End Guard K(24-28)		1	1			1						
91	Split Caplone Drum		1	3			1			3			
92	Polished Sheeps		10	10			10						
93	Helmetts with Hair (White)		20	20			20						
94	" " " " (Yellow)		10	10			10						
95	Splicing Pins		10	10			10						
96	Watches		1	1			1						
97	Torque Wrench (55000L)		1	1			1						
98	" " " " (30000L)		1	1			1						
99	" " " " (4500L)		1	1			1						
100	Wire Rope 6x27 (10mm)		1000L	1000L			1000L						
101	" " " " (12mm)		1000L	1000L			1000L						
102	" " " " 6x19 (14mm)		400L	400L			400L						
103	" " " " 6x19 (16mm)		200L	200L			200L						
104	Sling Rope 5x7 (12mm - 3m)		1	8 pcs			8 pcs						
105	" " " " (12mm - 4m)		1	6			6						
106	" " " " (12mm - 5m)		1	6			6						
107	" " " " (14mm - 3m)		1	8			8						
108	" " " " (14mm - 4m)		1	6			6						
109	" " " " (14mm - 5m)		1	6			6						
110	" " " " 6x19 (16mm - 4m)		1	8			8						
111	" " " " (15mm - 6m)		1	6			6						
112	" " " " (16mm - 8m)		1	6			6						
113	" " " " (18mm - 6m)		1	6			6						
114	" " " " (18mm - 8m)		1	6			6						
115	" " " " (18mm - 10m)		1	8			8						
116	Cliff (10mm)		1	200			200			2 pcs			
117	" " " " (12mm)		1	200			200			3			
118	" " " " (14mm)		1	30			30						
119	" " " " (16mm)		1	30			30						
120	" " " " (18mm)		1	50			50						

Sr. No.	Description	Head Office	Quantity	Rate	Total	Unit	Remarks
121	Shackle (12mm)			100			
122	-do- (14mm)			100			
123	-do- (16mm)			50			
124	-do- (18mm)			10			
125	-do- (32mm)			10			
126	-do- (36mm)			10			
127	-do- (40mm)			10			
128	-do- (44mm)			10			
129	Skyline Clamp (12mm)			1 pcs			
130	Saddle Block (24mm)			2			
131	Iron Dump Truck 300-40						
132	Electric Calculator EL-8131						1 Unit
133	Minette auto reel 90m						10 Sets
134	" " Wiener Editor S-1						5 pcs
135	" " Patch Tape Splicer						1 Set
136	Copy Printing Machine SP-1000S						1
137	Trance						1
138	Rotation Copy Machine						1
139	Texson Milling Level MS-2						2
140	Texson Theodolite T1-20F						2
141	Battery Charging Machine M-1230						4
142	Bull's Tester M-505						10 Units
143	Spring Balance M-5000 5KG						5
144	Film Pilot Forest						2 Reel
145	Film Forest in Japan						2
146	Clip for Yawer Simulator 4 n/a for 2-5m						40 pcs
147	SMC Hook M-102						30
148	Special Clip for 24mm wire						2
149	Yawer Y-322A No.2224						1 Unit
150	Speaker System						1
151	Yamaha Yawer Y-500						3 Units
152	Carriage K294						3 pcs
153	Leading Block M-552						3
154	Saddle Block M-32						3
155	Keel Block M-32						5
156	Skyline Clamp M-322						3
157	Skyline Support M-321						2
158	Switch Block M-123						15
159	-do- M-93						45
160	-do- M-77						90

Sr. No.	Description	Head Office	Origin	Invoice No.	Invoice Date	Invoice No.	Invoice Date	Invoice No.	Invoice Date	Invoice No.	Invoice Date	Invoice No.	Invoice Date
161	Wire Clip 1E-20												
162	do- 2C-18												
163	do- 3C-14												
164	28mm Shackles												
165	Special Shackles RP-22												
166	Sling Rope Set RA2, 16x3												
167	do- RA2, 16x4												
168	do- RA2, 16x5												
169	Wire Splicer												
170	Long Wire Splicer Toko Splicer												
171	Wirtor T-35												
172	Portable Jack 1E-5												
173	Skivel SS-105												
174	14-10mm Special Clip Kitch Clip												
175	Walky Tally JFW62 1MT												
176	Interphones talk-3 with cable/20001												
177	5 Ton Aves Carrier												
178	3 ton Aves Carrier												
179	12mm Hand Grip												
180	16mm Hand Grip												
181	28mm Hand Grip												
182	Winch Line Set 2E-5												
183	Yamaha Boat FC-41												
184	Transmitter 955L												
185	REKALITE Chassis 750												
186	Yonatan 260L-6 Angle Doser												
187	Chaimany Model C.S-452VI												
188	"Sakar" Winding Roller												
189	150Hz, 2A-25W Ave-Sury Radio JFW-225T												
190	150Hz, 1A-1W Handie-Talkie JFW-720T												
191	Colour Printing Kit												
192	Grey Seal Projector												
193	HYC-2000 Portable Colour Video Camera												
194	SL-3000 Betamax Video Cassette Recorder												
195	CVI-1900 19" Colour Receiver/monitor												
196	Programme Introducing Japan												
197	Wire Rope / 3mm 1000L Long												
198	do- / 3mm 1000L Long												
199	do- / 30mm 600L Long												
200	do- / 16mm 1000L Long												

St. No.	Description	Head Office	Quantity	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
201	Wire Rope of 18m/4 1000' Leng		5										
202	-do- of 14m/4 1000' Leng		4										
203	Splicer Set of 34mm Wako Splicer		2 Sets										
204	Chain Block BS72FE		20 pcs										
205	Trotter M-7		12										
206	Swivel Ring Model 3		6										
207	-do- 5		2										
208	Special Clip of 20-24mm		2										
209	Crutch, Smoother		20										
210	Safety Grip of 30-34mm		6										
211	Ladder L-6		12										
212	Wire Outer C-40		2										
213	-do- C-7 (Fulco)		20										
214	-do- C-16 "		10										
215	Wire Rope Winder with shaft & drum I-57		5										
216	Hoel Cramp of 24-28mm		2										
217	-do- of 30-34mm		4										
218	Control Block BS12C		2										
219	Auto Switch Block BS44		6										
220	Center Jaws TAE-111		6										
221	Splice Needle Spidy Small Type 200mm Long		24										
222	-do- Large Type 250mm Long		15										
223	Electrize Altimeter		4										
224	Helmet IP Type (White)		40										
225	-do- (Yellow)		60										
226	Stop Watch SEIKO		4										
227	Hoel Line Clamp with connector HL-28		10										
228	Safety Wedge Large Plastic 70027047		100										
229	Depth Gauge CUCSON		20										
230	Latet Spinner		1										
231	Chain Breaker OUMCOH		20										
232	Eye Chain 5245 100 feet reel		12 reels										
233	-do- 72DF		3										
234	Round File 7/32 inch		1000pc										
235	Flat File		20										
236	Parts of Guide Block Sleeve BS73		20 pcs										
237	-do- BS93		20										
238	-do- BS122		10										
239	Bearing BS72		40										
240	-do- BS93, 12FE		60										

Sr. No.	Description	HMA		Cylinder	Pneumatic	4-12-79	7-12-79	12-1-80	2-80	3-80	12-80	1-81	3-81	81-3-81
		Coffee	Office											
241	Start BS 7E, 9E, 12FE	-	-	-	50 pcs	-	-	-	-	-	-	-	-	50 pcs
242	Slide cover (Right Hand) BS 7E	-	-	-	20	-	-	-	-	-	-	-	-	20
243	-do- BS 9E	-	-	-	20	-	-	-	-	-	-	-	-	20
244	-do- BS 12FE	-	-	-	10	-	-	-	-	-	-	-	-	10
245	Slide cover (Left Hand) BS 7E	-	-	-	20	-	-	-	-	-	-	-	-	20
246	-do- BS 9E	-	-	-	20	-	-	-	-	-	-	-	-	20
247	-do- BS 12FE	-	-	-	10	-	-	-	-	-	-	-	-	10
248	Shackle Pin BS 7E, 9E	-	-	-	60	-	-	-	-	-	-	-	-	60
249	-do- BS 12FE	-	-	-	20	-	-	-	-	-	-	-	-	20
250	Grease nipple	-	-	-	100	-	-	-	-	-	-	-	-	100
251	Bolt and Nut for Skyline Grmp	-	-	-	50	-	-	-	-	-	-	-	-	50
252	Nut for wire clip BS-14	-	-	-	50	-	-	-	-	-	-	-	-	50
253	-do- BS-16	-	-	-	50	-	-	-	-	-	-	-	-	50
254	Special Clip $\phi$ 30-34mm	-	-	-	2	-	-	-	-	-	-	-	-	2
255	Accessory pin for Thrifer PU-16	-	-	-	30	-	-	-	-	-	-	-	-	30
256	Binocular 20x50mm	-	-	-	4	-	-	-	-	-	-	-	-	4
257	Guide Bar CS100L	-	-	-	50	-	-	-	-	-	-	-	-	50
258	-do- CS750	-	-	-	10	-	-	-	-	-	-	-	-	10
259	Tools for chain saw CS100L	-	-	-	10sets	-	-	-	-	-	-	-	-	10 Sets
260	Honda Portable Generator SM-1000-B	-	-	-	1 pcs	-	-	-	-	-	-	-	-	1 pcs
261	Transformer 300V	-	-	-	2	-	-	-	-	-	-	-	-	2
262	Catapult DSD	-	-	-	1 Set	-	-	-	-	-	-	-	-	1 Set
263	Spare parts for Catapult DSD	-	-	-	ALL	-	-	-	-	-	-	-	-	ALL
264	Spare parts for Motorfujik Y52E	-	-	-	ALL	-	-	-	-	-	-	-	-	ALL
265	Turnt Deizo Engine	-	-	-	Unit	-	-	-	-	-	-	-	-	1 Unit
266	-do- Spare parts	-	-	-	ALL	-	-	-	-	-	-	-	-	ALL
267	Ivate RAJ1 T-50 Spare parts	-	-	-	ALL	-	-	-	-	-	-	-	-	ALL
268	Yino IM100 (T-50 tractor)	-	-	-	1 Set	-	-	-	-	-	-	-	-	1 Set
269	-do- Spare parts	-	-	-	ALL	-	-	-	-	-	-	-	-	ALL
270	Spare parts for Model GS-100VTL	-	-	-	ALL	-	-	-	-	-	-	-	-	ALL
271	Portable conveyor parts	-	-	-	ALL	-	-	-	-	-	-	-	-	ALL
272	Single toggle crusher parts type 16x19	-	-	-	ALL	-	-	-	-	-	-	-	-	ALL
273	Robinson Generator SM40	-	-	-	1 Set	-	-	-	-	-	-	-	-	1 Set
274	-do- Spare parts	-	-	-	ALL	-	-	-	-	-	-	-	-	ALL
275	Monitor Receiver for HF band HED-515	-	-	-	1 pcs	-	-	-	-	-	-	-	-	3 pcs
276	-do- SM-100	-	-	-	3	-	-	-	-	-	-	-	-	3
277	Yamaha Boat parts FC-41	-	-	-	ALL	-	-	-	-	-	-	-	-	ALL
278	Parts for Table Boat plate for Hitachi MD-4300	-	-	-	ALL	-	-	-	-	-	-	-	-	ALL
279	Cedar T-52E parts	-	-	-	ALL	-	-	-	-	-	-	-	-	ALL
280	Peak Lorry for water	-	-	-	1 Unit	-	-	-	-	-	-	-	-	1 Unit



Sl. No.	Description	Head Office	Bussan	4-12-79	7-12-79	28-1-80	2-3-80	31-3-80	24-12-80	22-1-81	31-3-81	12-12-81	1-2-82
281	Unit Lorry for Oil											1 Unit	
282	Jony Screen Projector IP-5010FS											1 Set	
283	do- YFS-5010FS											1	
284	Card Cabinet											1	
285	Typewriter Olivetti 17 inch											2	
286	Sony video cassette recorder SL-2000											1	
287	Sony video camera MVC-2000											1	
288	Sony Video recorder V-9											1	
289	Sony Speaker system HX-3000											1	
290	Paper Cutter No. 614H											1	
291	Radio antenna N-29H used into mobile MW-225 (15QZL)											1	
292	Radio antenna F125H used marine mobile JIV-225 (15QZL)											1	
293	Radio survey speaker HM-515 (used HK monitor)											3	
294	Plastic helmet model HP colour blue											30 pcs	
295	Portable megaphone shoulder type M-13											3	
296	Safety belt with 2m rope											10 Sets	
297	Spare of Handlight Bar (12V)											5 pcs	
298	do- Chain (12V)											5	
299	Spare parts for LZ-DX chain saw											5 Sets	
300	Caterpillar Sherel Diesel 955L Spare parts											ALL	
301	Bush Cutter 51A-50LIS											3	
302	Spare parts for Bush Cutter 51A-50LIS											3	
303	Crusher M16 Sinker spare parts											ALL	
304	Caterpillar Bulldozer 36D Spare parts											ALL	
305	Mitsubishi Excavator M370 Spare parts											ALL	
306	In-Compressor P25-125-121 S.No. 1211617 Spare parts											ALL	
307	Kanishi Bulldozer 360L Spare parts											ALL	
308	Kanishi Bulldozer 360L-6 Spare parts											ALL	
309	Belt Conveyor Model EM-200-400											2 Units	
310	Belt Conveyor Spare parts											ALL	
311	Isumi Diesel Engine DL-120 Spare parts											ALL	
312	Isumi Pump Model TSD-40											ALL	
313	S.No. 1265972, 1266462 Spare parts											ALL	
314	Mitsubishi Jeep M38 Spare parts											ALL	
315	Mitsubishi Delica Wagon L633PH Spare parts											ALL	
316	Ayote Hino HIRUMI-JR Spare parts											ALL	
317	Pyrote goods											ALL	
318	Auro Bicycle A-100, 98cc Business Type											1 Unit	
319	Auro Bicycle M-125SR 125cc off Road Type											1	
320	Yamaha Boat FC.27 Propeller shaft											1	

Sr. No.	Description	Road Office	Obvlin, Busscin	29-10-79, 4-12-79, 7-22-79, 28-1-80, 25-2-80, 2-3-80, 31-3-80, 2-12-80, 22-1-80, 3-3-81, 27-2-82	1 pos	1 pos	1 pos	1 pos
321	Yamaha Doct FC-41 Propeller shaft	-	-	-	4 pos	-	-	1 pos
322	-40- FC-27 Spare parts	-	-	-	ALL	-	-	ALL
323	-40- FC-41 / -40-	-	-	-	ALL	-	-	ALL
324	Portable Five Pump P.407	-	1 pos	-	-	-	-	1 pos
325	Chain saw model 550SL	-	-	-	20 sets	-	-	20 sets
326	-40- TL-3X	-	-	-	5	-	-	5
327	Bush Cutter 5R-50HIE	-	-	-	3	-	-	3 sets
328	Self Control Transformer STD-30CS	-	-	-	1 Unit	-	-	1 unit
329	Bolt Conveyor SE-320-400	-	-	-	2	-	-	2
330	Iwafuji yarder spare parts M-120	-	-	-	ALL	-	-	ALL
331	Spare parts for Logging Tractor T-50	-	-	-	ALL	-	-	ALL
332	Iwafuji Yarder Y-222 Spare parts	-	-	-	ALL	-	-	ALL
333	-40- Y-322 Spare parts	-	-	-	ALL	-	-	ALL

II 研修生、カウンターパートへのアンケート調査結果

(研修を受講した印象、架線作業に関する感想)

質問事項(1) 研修受講中に感じた(又は体験した)項目に印をつけよ。

項目	場所別		講 (オートン研修所)			実 習 (オートン研修所)			実 習 林 (チャウンタ)			修 理 工 場 (バセイン)				
	L.M.	L.C.	R.	C.	L.M.	L.C.	R.	C.	L.M.	L.C.	R.	C.	L.M.	L.C.	R.	C.
1																
2			1		6			8	1							
3	5	3	5			5	3	5		3	1					
4			2													
5	4	2	2			4	2			3	4					
6	3	2	5			3	2			3	2					
7			2		4					4						
8																
9					4			2								
10																
11																
12			2													
13																
14																
15																
16								2								

備 考  
 1) L. M. ; Logging Managers Course  
 回答者 5名  
 L. C. ; Logging Craftsmen Course  
 回答者 38名  
 R. C. ; Repair Craftsmen Course  
 回答者 7名

2) 調査項目  
 1~4 ; 体験した忙しさの感じ  
 5~16 ; 受講中の集中度や異和感

コメント 1) L. M.及びL. C. コースでは特に忙しかったとは感じず、全般的にわたり楽しく集中できたようである。また時間の経つのが早いと感じている。

2) R. C. コースでは、オートンとチャウンタで多忙感、時間の経つのが早かったこと、又、アセリやライラ感を持った者が見られる。また、時々他の事を考えたという者が一部に見られる。

質問事項②) 架線集材作業に関する各項目について該当する感想欄に印をつけよ。

項目	感想			そう思う			どちらとも言えない			そう思わない			備考
	C.P.	L.M.	R.C.	C.P.	L.M.	R.C.	C.P.	L.M.	R.C.	C.P.	L.M.	R.C.	
1	1		27		2		4	3	11				1) C.P.; Counterpart
2	4	5	37				3		1				L.M., L.C., R.C. は前述のとおり。
3	3	4	26				4	1	12				
4	4	5	37				4		1				
5	4	5	38				4						
6	3	4	38		1		4						
7	2	4	13		2		4		25				
8					1				3	5	38	4	
9	4	3	38		2		4						2) 回答者 51名
10	3	3	29		1		4		2				
11	2		28		2			9	3	10			
12			33				1		4	2	5	3	
13	4	3	38		2								
14	4	5	37					1					
15			11		1				3	3	27		

コメント 1) 機械集材に対する評価は概して良好であり、期待されている。

しかし、全般的に信頼されているとはいえない。

2) 全員が未だ改良点があると評価している。応用技術を展開する過程でビルマ化への技術開発が必要である。

3) 架線、撤去作業を伴うことについて1部のL.C.者(運転手, ファーマン, 荷掛手)とC.P., L.M.者(上級職採用者=管理・監督者)

とで感想が違っている。

質問事項③) 機械集材作業，とくに架線集材作業に対する感想について，各項目の形容詞対が否定から肯定の順に7段階の副詞で示されている。最も適合する副詞に印をつけよ。

形容詞	副詞			非常に			かなり			やや			ふつう			やや			かなり			非常に			備考			
	C	L	P	C	L	P	C	L	P	C	L	P	C	L	P	C	L	P	C	L	P	C	L	P		形容詞		
1 不便な																											便利な	回答者51名
2 非能率的な																											能率的な	
3 複雑な																											単純な	
4 使い難い																											使い易い	
5 不安な																											安心な	L.C.1名無回答
6 危険な																											安全な	
7 劣った																											優れた	
8 単調な																											変化のある	
9 信頼できない																											信頼できる	L.C.1名無回答
10 嫌いな																											好きな	
11 魅力のない																											魅力的な	L.C.1名無回答
12 不安定な																											安定した	
13 正確な																											正確な	
14 感じの悪い																											感じの良い	L.C.1名無回答
15 親しめない																											親しめる	
16 悪い																											良い	
17 興味のない																											興味のある	
18 遅い																											速い	
19 古い																											新しい	

コメント 1) 架線集材作業に対する評価は概して良好であり，期待されている。

2) しかしI部のL.C.コース者は複雑と感じており，新技術に対して不安と危険感を持っている。しかし全面的に好まれているとは言い難い。

### III Training Program for Logging Craftman Course IV

JICA FORESTRY PROJECT  
 Technical Cooperation Centre  
 Training Programme for Logging Craftsmen Course IV. 16-11-81 - 26-3-82.

Sr. No.	Subjects	Period (day)			Instructor (Experts)	Instructor (Counterpart)
		Theory	Practical	Total		
1	Opening Ceremony and Orientation.	0.5	-	0.5	All	All
2	Notes on Forestry in Burma.	0.5	-	0.5	-	U Win Myint
3	Introduction of Japanese Forestry.	0.5	-	0.5	Mr. E. Deguchi	"
4	Introduction of Cable Logging in Burma.	0.5	-	0.5	-	"
5	Different stages of Timber Extraction in Burma.	0.5	-	0.5	-	"
6	Basic knowledge of Cable logging works.	2.0	-	2.0	Mr. H. Masuko	U Chit Han
7	Working standard and safety works.	1.5	-	1.5	"	U Win Myint
8	Physics for Cable Logging Works.	1.0	-	1.0	"	"
9	Wire Rope.	1.5	-	1.5	Mr. L. Lorisawa	U Hla Min Oo
10	Basic knowledge of chain saw	1.0	2.0	3.0	"	"
11	Planning of Cable Logging Set.	4.0	-	4.0	Mr. H. Masuko	U Chit Han.
12	Compass Survey.	2.0	2.0	4.0	Mr. H. Lorisawa	U Hla Min Oo
13	Basic knowledge of Road Construction.	3.0	4.0	7.0	Mr. E. Deguchi/"	U Chit Han.
14	Extraction Planning	1.5	-	1.5	Mr. H. Lorisawa	U Win Myint.
15	Yarder and cable logging apparatus.	1.5	-	1.5	Mr. H. Masuko	U Chit Han.
16	Assembly and Disassembly of Cable Logging Set.	5.0	34.5	39.5	All	All
17	Inspection and Driving Practice.	1.0	17.0	18.0	"	"
18	Wire Splice.	-	16.0	16.0	Mr. L. Kon/K. Hata	U Hla Min Oo/ U Chit Han
19	Evaluation.	0.5	-	0.5	All	All
20	Passing-Out Ceremony.	0.5	-	0.5	All	All
Sub Total:		28.5	75.5	104.0		
21	Movement of trainees to Model Forest			0.5		
22	Others			1.0		
23	Holidays			25.5		
Grand Total				131.0		

Timber Corporation  
 JICA Forestry Project  
 Technical Cooperation Centre, Okkyin.

16-11-81 to 26-3-82

#### Logging Craftsmen Course IV.

Sr. No.	Name	Rank	Date of Birth	Qualification	Appointed Date at P.C.	Agency/Division	Remarks
1	U Sein Thawng	2nd	14-7-45	5th. Std. Pass	27-10-54	Bigon / Pegu(2)	
2	U Saw Aye Han	2nd	20-6-47	"	26-10-64	Pa-an / Karen	
3	U Myon Tun	"	24-5-45	"	1-7-63	Boayyo / Mandalay	
4	U Aung Mye Han	"	13-5-45	"	20-8-65	Taungdwingyi/Mague	
5	U San Myint	"	11-8-45	"	19-10-64	Keneik / Shan	
6	U Aung	3rd	30-5-44	"	1-3-66	Moulmein / Mon	
7	U Saw Uda Han	"	1-12-43	7th. Std.	14-5-64	Tavoy / Tenassarim	
8	U Ye Htoon	"	10-9-52	10th. Std.	12-1-74	Kalayo / Chin	
9	U Khawng Co	"	1-5-39	7th. Std.	1-12-70	Gangaw / Mague	
10	U Myint Han	3rd	5-4-59	5th. Std.	1-7-61	Sassein / Irrawaddy	
11	U Aung Hain	"	12-6-53	7th. Std.	1-7-61	"	
12	U Khin Zaw	"	12-12-60	7th. Std.	1-7-61	"	
13	U Khin Min	"	15-6-61	5th. Std.	1-7-61	"	
14	U Ohn Myint	"	6-7-57	5th. Std.	1-12-60	"	
15	U Khin Myint	"	25-7-59	6th. Std.	5-10-73	Kalayo / Chin	

EDUCATION AND TRAINING PROGRAMME

Nov. '81.

Logging Craftsmen Course-IV.

1. Opening Ceremony & Orientation.	---	(0.5) day.
2. Notes on Forestry in Burma.	---	(0.5) day.
3. Introduction of Japanese Forestry.	---	(0.5) day.
4. Introduction of Cable Logging in Burma.	---	(0.5) day.
5. Different stages of Timber Extraction in Burma.	---	(0.5) day.
6. Special Technology for Machinery.	---	(9.0) days.
(a) Basic knowledge for Cable Logging works	---	2.0
(b) Physics for Cable Logging works.	---	1.0
(c) Working standard and safety works.	---	1.5
(d) Wire rope.	---	1.5
(e) Basic knowledge of chainsaw.	---	3.0
7. Development and Improvement of Extraction Technology and Drawing of Plans.	---	(16.5) days.
(a) Planning of Cable Logging Set.	---	4.0
(b) Compass Survey.	---	4.0
(c) Basic Knowledge of Road Construction.	---	7.0
(d) Extraction Planning.	---	1.5
8. Cable Stretching Techniques.	---	(23.5) days.
(a) Yarder & Logging Apparatus.	---	1.5
(b) Assembly and Disassembly of Cable Logging Set.	---	16.0
(c) Inspection and Driving Practice.	---	6.0
9. Field Exercises.	---	(51.5) days.
(a) Fire Splice.	---	18.0
(b) Assembly & Disassembly of Cable Lines.	---	23.5
(c) Inspection and Driving Practice.	---	12.0
10. Evaluation.	---	(0.5) day.
11. Others.	---	(1.0) day.
12. Holidays.	---	(25.5) days.
13. Movement of Training.	---	(0.5) day.
14. Passing-Out Ceremony.	---	(0.5) day.
<b>Total</b>	---	<b>131.0 days.</b>

Date	Day	09:00-09:50	10:00-10:50	11:00-11:50	13:00-13:50	14:00-14:50	15:00-15:50	Remarks
Nov: 16	MON	Opening Ceremony & Orientation			Introduction of Japanese Forestry			
17	TUE	Basic knowledge of Cable Logging Works			Basic knowledge of Cable Logging Works			
18	WED	--"			Notes on Forestry in Burma.			
19	THU	--"			Wire Rope.			
20	FRI	Wire Rope			"			
21	SAT	NATIONAL DAY			( H O L I D A Y )			
Nov: 23	MON	Yarder and Cable Logging Apparatus.			Yarder and Cable Logging apparatus.			
24	TUE	--"			Basic knowledge of Chainsaw			
25	WED	Basic knowledge of chainsaw			Introduction of cable logging in Burma.			
26	THU	--"			Basic knowledge of Chainsaw			
27	FRI	--"			--"			
28	SAT	Compass Survey			--"			
Nov: 30	MON	--"			Compass Survey.			
Dec: 1	TUE	--"			--"			
2	WED	--"			Different stages of timber extraction in Burma.			
3	THU	--"			Compass Survey.			
4	FRI	Physics for cable logging works.			Physics for Cable logging works.			
5	SAT	Working standard for safety works.			--"			
Dec: 7	MON	--"			Working standard for safety work.			
8	TUE	Extraction Planning.			Extraction Planning.			
9	WED	--"			Wire Splice.			
10	THU	Wire Splice			--"			
11	FRI	--"			--"			
12	SAT	--"			--"			

DATE	DAY	09:00-09:50	10:00-10:50	11:00-11:50	13:00-13:50	14:00-14:50	15:00-15:50	Remarks
DEC: 14-81	MON	Planning of Cable Logging Set.			Planning of Cable Logging Set.			
15	TUE	"			"			
16	WED	"			"			
17	THU	"			"			
18	FRI	Wire Splice			Wire Splice.			
19	SAT	"			"			
21	MON	Basic knowledge of Road Construction			Basic knowledge of Road Construction			
22	TUE	"			"			
23	WED	"			"			
24	THU	"			"			
25	FRI	CHRISTMAS DAY			H O L I D A Y			
26	SAT	KAREN NEW YEAR DAY			H O L I D A Y			
28	MON	Basic knowledge of Road Construction			Basic knowledge of Road Construction			
29	TUE	"			"			
30	WED	"			"			
31	THU	Wire Splice			Wire Splice.			
JAN: 1-82	FRI	"			"			
2-82	SAT	"			"			
4	MON	INDEPENDENCE DAY			H O L I D A Y			
5	TUE	Disassembly of Falling Block System.			Disassembly of Falling Block System.			
6	WED	"			"			
7	THU	"			"			
8	FRI	Wire Splice			Wire Splice.			
9	SAT	"			"			



DATE	DAY	09:00-09:50	10:00-10:50	11:00-11:50	12:00-12:50	14:00-14:50	15:00-15:50	REMARKS
JAN 11	MON	Assembly of Endless Tyler System.			Assembly of Endless Tyler System.			
12	TUE	"	"	"	"	"	"	
13	WED	"	"	"	"	"	"	
14	THU	Inspection and Driving.			Driving/Wire Splice.			
15	FRI	Driving/Wire Splice.			Driving/Wire Splice.			
16	SAT	Driving /Wire Splice.						
18	MON	Disassembly of Endless Tyler System.			Disassembly of Endless Tyler System.			
19	TUE	"	"	"	"	"	"	
20	WED	Assembly of Hoisting Carriage System.			Assembly of Hoisting Carriage System.			
21	THU	"	"	"	"	"	"	
22	FRI	"	"	"	"	"	"	
23	SAT	Inspection & Driving						
25	MON	Driving/Wire Splice.			Driving/Wire Splice.			
26	TUE	Driving/Wire Splice.			Driving/Wire Splice.			
27	WED	Disassembly of Hoist Carriage System.			Disassembly of Hoisting Carriage System.			
28	THU	"	"	"	"	"	"	
29	FRI	Assembly of Kumamoto System.			Assembly of Kumamoto System.			
30	SAT	"	"	"				
FEB 1	MON	Assembly of Kumamoto System.			Assembly of Kumamoto System.			
2	TUE	"	"	"	"	"	"	
3	WED	Inspection and Driving/Wire Splice.			Driving /Wire Splice.			
4	THU	Driving			" "			
5	FRI	Reserve Day			Reserve Day.			
6	SAT	Move to Shawbyar						

DATE	DAY	09:00-09:50	10:00-10:50	11:00-11:50	13:00-13:50	14:00-14:50	15:00-15:50	REMARKS
FEB 8	MON	Exploration for No.(1) Line.			Exploration for No.(1) Line			
9	TUE	Survey and Drawing			Survey and Drawing.			
10	WED				"			
11	THU	Designing			Designing			
12	FRI	UNION DAY			H O L I D A Y			
13	SAT	Designing						
15	MON	Assembly of No.(1) Line.			Assembly of No.(1) Line.			
16	TUE	"	"	"	"	"	"	
17	WED	"	"	"	"	"	"	
18	THU	"	"	"	"	"	"	
19	FRI	"	"	"	"	"	"	
20	SAT	"	"	"	"	"	"	
22	MON	"	"	"	"	"	"	
23	TUE	"	"	"	"	"	"	
24	WED	Driving Practice			Driving Practice			
25	THU	"	"	"	"	"	"	
26	FRI	"	"	"	"	"	"	
27	SAT	"	"	"	"	"	"	
MARCH 1	MON	"	"	"	"	"	"	
2	TUE	PEASANT DAY			H O L I D A Y			
3	WED	Driving Practice			Driving Practice			
4	THU	"	"	"	"	"	"	
5	FRI	"	"	"	"	"	"	
6	SAT	"	"	"	"	"	"	
8	MON	Disassembly of No.(1) Line.			Disassembly of No.(1) Line.			
9	TUE	FULL MOON OF TABAUNG			H O L I D A Y			

DATE	DAY	09:00-09:50 * 10:00-10:50 * 11:00-11:50	13:00-13:50 * 14:00-14:50 * 15:00-15:50	REMARKS
MARCH 10	WED	Disassembly.	Disassembly.	
11	THU	Survey and Drawing.	Survey and Drawing.	
12	FRI	Calculation for Safety.	Calculation for Safety.	
13	SAT	Assembly of No.(2) Line.		
14	SUN			
15	MON	Assembly of No.(2) Line.	Assembly of No.(2) Line.	
16	TUE	"	"	
17	WED	"	"	
18	THU	Inspection	Driving Practice	
19	FRI	Driving Practice	"	
20	SAT	"		
21	SUN			
22	MON	"	Driving Practice	
23	TUE	"	"	
24	WED	"	Disassembly	
25	THU	Disassembly	"	
26	FRI	Evaluation	Passing out ceremony	

IV ( 技協プロジェクトプロポーザル )

PROGRESS REPORT ON TECHNICAL COOPERATION PROJECT FOR  
THE FORESTRY DEVELOPMENT IN THE ARAKAN RANGE AND  
PROPOSAL FOR THE LOGGING TECHNIQUE DEVELOPMENT PROJECT

**The Socialist Republic of the Union of Burma**

MINISTRY OF AGRICULTURE & FORESTS

TIMBER CORPORATION

**PROGRESS REPORT ON**

TECHNICAL COOPERATION PROJECT FOR THE  
FORESTRY DEVELOPMENT IN THE  
ARAKAN RANGE

AND

**PROPOSAL FOR**

THE LOGGING TECHNIQUE DEVELOPMENT PROJECT

PROGRESS REPORT ON TECHNICAL COOPERATION PROJECT FOR THE  
FORESTRY DEVELOPMENT IN THE ARAKAN RANGE AND PROPOSAL FOR  
THE LOGGING TECHNIQUE DEVELOPMENT PROJECT.

BACK-GROUND INFORMATION

1. In May 1975, a cyclone of very high intensity struck the Bassein area in Irrawaddy Division resulting in considerable damage to the forests of southern part of Arakan Range. To remove timber from this area and to increase hardwood extraction which was left to be undeveloped for many years, the Government of the Socialist Republic of the Union of Burma forwarded a proposal to the Government of Japan to look into the possibility of a technical assistance by Japan mainly for the purpose of introducing cable logging technology into Burma. In response to this proposal, the Japan International Cooperation Agency (JICA) despatched a preliminary survey team in December 1976, and a short term survey experts for about two months in May 1977. Consequently it was agreed that it is worth-while to introduce cable logging system and to train Timber Corporation personnel for the technology of logging on steep slopes.

2. Again, in June 1977, a Japanese Survey Team headed by Mr. Niro Namura arrived in Burma for discussion on Basic Plan of the Technical Cooperation Project for Forestry Development and prepared a draft of record of discussions pertaining to the Project.

3. On 2nd. December 1977, the Managing Director of Timber Corporation on behalf of the Ministry of Agriculture and Forests and Mr. Heizaburo Tezuka, head of the Japanese Forestry Survey Team, signed the Record of Discussions to start the technical cooperation project for the forestry development in the Arakan Range in Burma.

PROJECT GRANT.

4. In accordance with the technical cooperation scheme, the project period coincides with the Government third four year plan beginning from 1978-79 to 1981-82 financial year. During the project period, the Japanese Government, through JICA will provide, at their own expenses, logging equipment, machinery, vehicles, instrument tools, spare parts and other materials to the value of U.S \$ 1.46 million.

IMPLEMENTATION

5. The Project headquarter is established at Timber Corporation head office in Rangoon and the technical training centre is located in South Arakan Range of Bassein Extraction Agency, Chaungtha Reserved Forests. The main essence of the technical cooperation project is the introduction of cable logging method for the first time in Burma and the transfer of cable logging techniques to the other parts of the country. Training of personnel for handling such new equipment is most essential and therefore priority will be given for training personnel of Timber Corporation by Japanese experts and Burmese Counterparts who had undergone training in Japan.

## TRAINING.

6. The training school of the project at Okkyin, Rangoon will give basic training to personnel of Timber Corporation and practical training at work site will be given in Chaungtha Area. At the technical cooperation centre, Okkyin 1st batch of 5 trainees for the logging management course was completed on 12th. May 1979 and (18) other ranks trainees for logging craftsmen course is being trained commencing from 11th. June 1979 and will end on 11th. November 1979.

For cable logging training purpose, a basic training school and technical cooperation centre is established at Okkyin in Rangoon and a pilot extraction centre at Shawbya in Bassein area is also constructed. To maintain and repair cable logging equipment such as yarders, dozers and vehicles, a repair workshop is also constructed at Bassein. Equipments, machineries and training aids for training centre, amounting to U.S.\$ 1.46 million are to be provided by the Government of Japan during the project period, and U.S.\$ 0.5 million worth of equipment and machinery had been arrived in the fiscal year 1978-79.

7. Under the technical cooperation scheme, one senior officer for observation of Cable Logging for 3 weeks and two junior officers, for practical training of cable logging for 3 months will be sent to Japan every year.

## ORGANIZATION

8. In accordance with the Record of Discussions, the project will be implemented through the organisation headed by a Project Manager and will include the Japanese experts and Burmese Counterparts as members,

## EXPERTS

9. For the implementation of the project, (8) members of long term and short term Japanese experts for various fields concerning with cable logging had been dispatched to Burma since the fiscal year 1978-79.

## PRODUCTION TARGET

10. According to the record of discussions, forecast of extraction of timber after training is as follows.-

1978-79	Fiscal Year	- The volume of extraction is not prescribed due to training.
1979-80	..	-do-
1980-81	..	10637 log tons
1981-82	..	17451 ..
		<hr/>
Total	28088	..
		<hr/>

## PROPOSAL FOR LOGGING TECHNIQUE DEVELOPMENT PROJECT.

11. The main object of the above mentioned technical cooperation project is to gain technical knowledge in cable logging techniques through the cooperation and technical assistance by Japanese experts and to utilize this method not only in Bassein area but also in other suitable parts of Burma and thereby increase the production of timber. The technical cooperation project for the forestry development in the Arakan Range is therefore only a project for transfer of technical know-how.

12. As the present technical cooperation project will terminate at the end of the fiscal year 1981-82, it is required to apply the logging techniques and technical know-how gained from the implementation of the said project for the modernization and development of logging to increase the production. Therefore it is suggested to set up the logging Technique Development Project, so that the new Logging method gained from the present technical cooperation project should be utilized to step up the present rate of log production and to increase sales of timber at home and abroad.

## PROJECT PROPOSAL

1. Name and Place of the Project. — The Logging Technique Development Project.
- Proposed location of the Project area is in Myittaya Reserved Forest, Bassein Extraction Agency, Irrawaddy Division in the Southern Arakan Range, Burma.  
(Maps attached in Annexures)
2. Name of Responsible Organisation for the Project. — Timber Corporation, Ministry of Agriculture and Forests, Government of the Socialist Republic of the Union of Burma.
3. Contents of the Project. — The Project is proposed to be executed as follows:-
- (i) Extend the application of new logging techniques including cable logging for extraction of commercial hardwood timber from Myittaya Reserved Forest, Bassein Agency in the Southern Arakan Range of Burma.
  - (ii) Construction of forest roads from the extraction area to the depots.
  - (iii) Training of Burmese forest staff in the field of cable logging and related logging operations.
  - (iv) Extraction of 20000 tons of hardwood round logs annually from the new Project area.
4. Purpose of the Project. — There is a JICA grant technical Cooperation Project with the object of introducing the new extraction techniques to the mountainous areas in the Arakan Range. However, the existing project is mainly for the technical cooperation and therefore it is desirable to set up a new project in order to realize more productive extraction of hardwood logs by applying experiences and technical know-how gained from

the implementation of the present project. That new project should be located in Myittaya reserved forest which is in the vicinity of the present project area in Bassein Extraction Agency.

Main purposes of the new project are:-

- (1) To widen the practical application of modern logging techniques including cable logging, firstly in this new proposed area and then to other mountainous areas of Burma.
- (2) To increase road density in the proposed project area in order to extract timber from the area more effectively.
- (3) To gain more experience in the field of operation and maintenance of forestry equipments and machineries by using technical know-how gained from the present project.
- (4) To supply raw material of hardwood logs for the new plywood factory No.4 which is under construction in Bassein.

5. Equipments and amount of money (Foreign Currency) necessary for the Project.

— (1) Foreign Exchange	K. 16037000.00
(2) Local Expenditure	K. 13943000.00
(3) Total in Kyats	K. 29980000.00

(See Annexures A & B)



## ANNEXURE (A)

## PROPOSED ARTICLES TO BE PROVIDED DURING PROJECT PERIOD.

(COST IN THOUSAND)

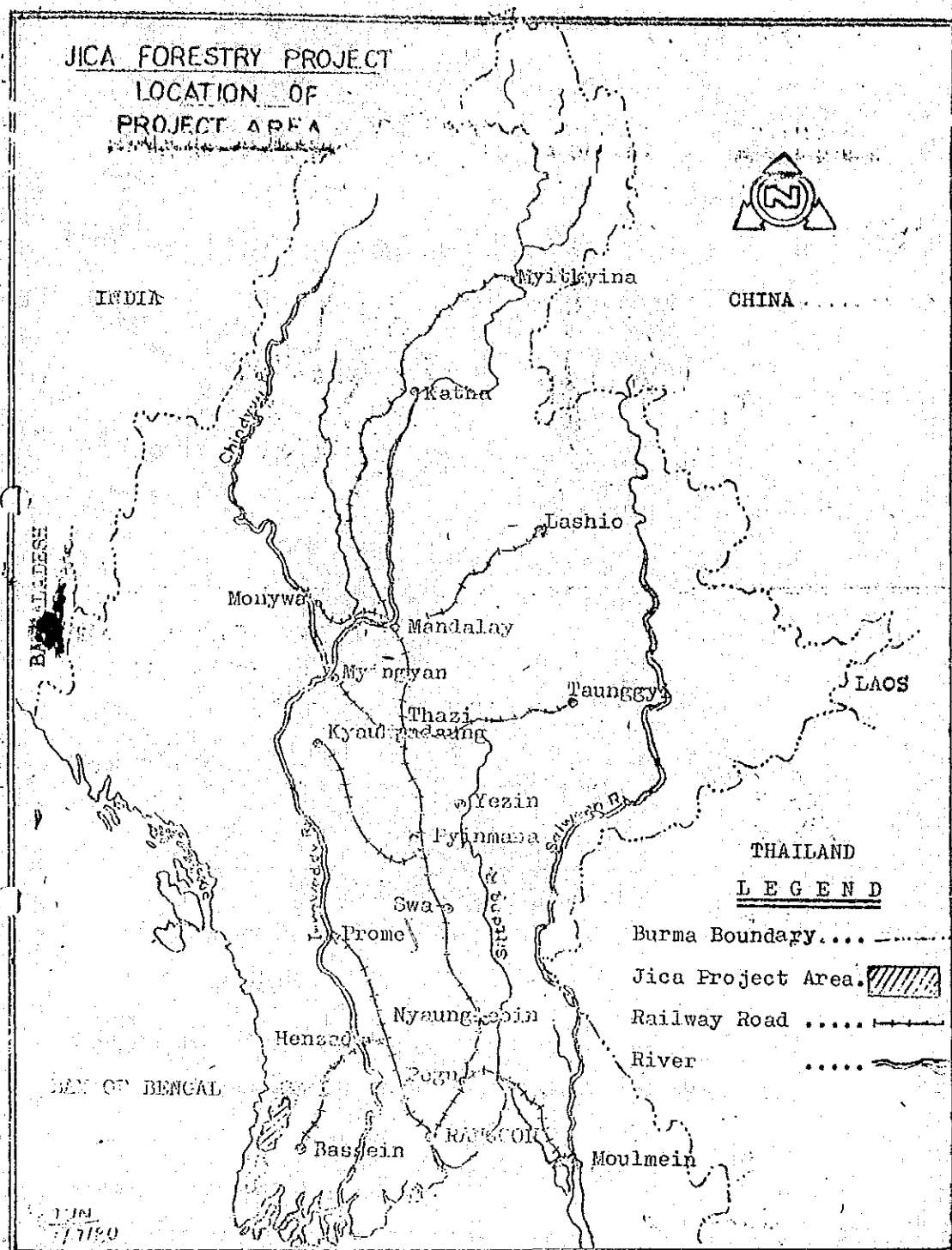
SR. NO.	EQUIPMENT AND MATERIALS	UNIT	C O S T		
			YEN	US \$	KYAT
1	<u>FOR EXTRACTION</u>				
	Yarder (Line pull 5 tons)	5 sets	90,000	419	2610
	Yarder (Line pull 3.4 tons)	5 "	50,000	232	1450
	Skidders	5 Nos.	45,000	209	1305
	Chainsaw with (30 inch bar)	20 "	3,000	14	87
			188,000	874	5452
2	<u>FOR ROAD CONSTRUCTION</u>				
	Bulldozers 16 tons	4 Nos.	76,000	353	2204
	Dozer Shovel	2 "	24,800	115	719
	Grader	2 "	26,000	121	754
	Back Hoe	2 "	2,000	121	754
	Dump truck	2 "	8,000	37	232
	Crusher	1 "	10,000	47	290
			170,800	794	4953
3	<u>FOR WORKSHOP</u>				
	Machinery		17,000	79	493
	Measuring and working instruments		720	3	21
	Tools		1,520	7	44
	Other materials		600	3	17
	Spare Parts		58,000	270	1682
			77,840	362	2257
4	<u>OTHER NECESSARY EQUIPMENTS</u>				
	Speed boats	1 No.	17,000	79	493
	Radio Communication System	1 Sets	3,000	14	87
	Copying Machine	2 "	700	3	20
	Outboard Engine	5 Nos.	2,500	12	73
	Other Office Requires		1,000	5	29
			24,200	113	702
CIF 20%	Total F. O. B.		460,840	2143	13364
			92,168	429	2673
	Total C. I. F.		553,008	2572	16037

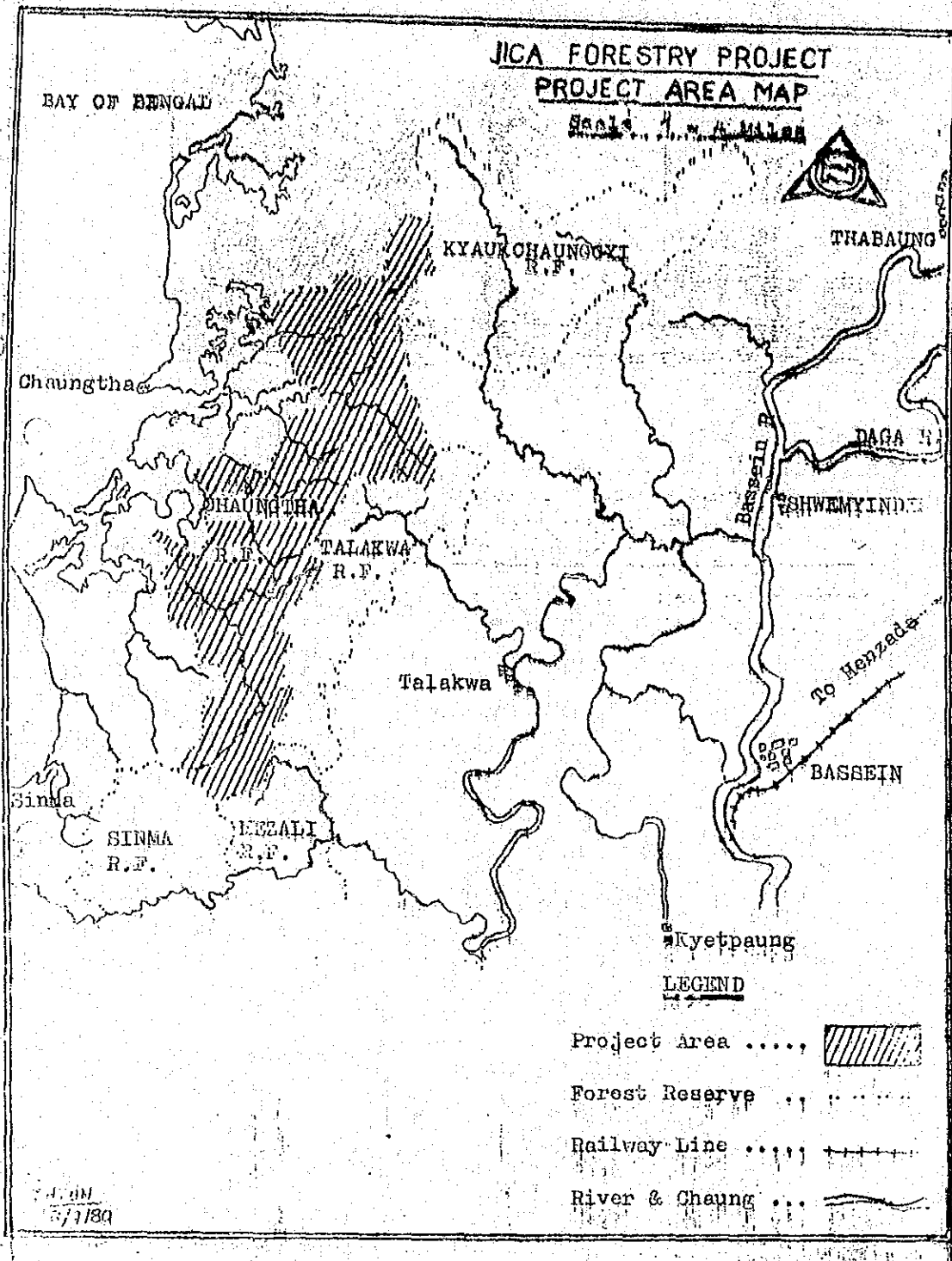
ANNEXURE (B)

DETAIL OF INVESTMENT DURING THE PROJECT PERIOD.

(VALUE IN '000)

SR. NO.	EQUIPMENT AND MATERIALS	V A L U E		
		YEN.	US \$	KYAT
	<u>FOREIGN EXPENSE</u>			
1	Extraction Yarder	188,000	874	5452
2	Road Construction Equipment	170,800	794	4953
3	Workshop Machineries and Spares	77,840	382	2257
4	Other Equipments	24,200	113	702
5	Freight Charges	92,168	429	2673
	Total—	553,008	2572	16037
	<u>LOCAL EXPENSE</u>			
1	Custom Duty, Port dues Commodity Taxes etc.	-	-	2,955
2	Construction of Forest Road and Buildings	-	-	8,540
3	Transportation and other expenses.	-	-	2,448
	Total—	-	-	13,943
	Grand Total—	553,008	2572	29,980

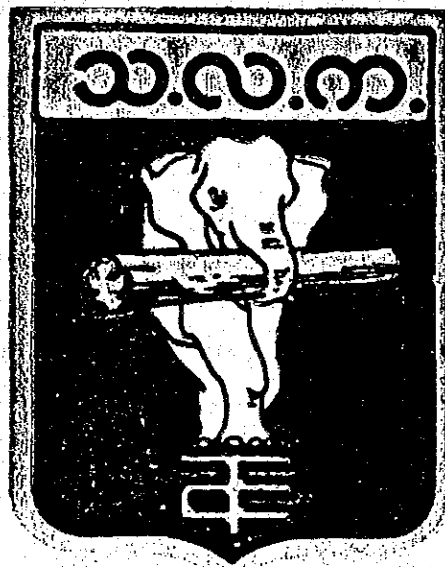




V. (木材会社のプロジェクトについてのパンフレット)

BRIEF INFORMATION ON FORESTRY PROJECTS IMPLEMENTING  
BY TIMBER CORPORATION WITH GRANT FROM JAPAN 1981-82

**The Socialist Republic of the Union of Burma**  
MINISTRY OF AGRICULTURE & FORESTS  
TIMBER CORPORATION



BRIEF INFORMATION ON FORESTRY PROJECTS  
IMPLEMENTING BY TIMBER CORPORATION  
WITH  
GRANT FROM JAPAN.

1981-82

THE SOCIALIST REPUBLIC OF THE UNION OF BURMA

MINISTRY OF AGRICULTURE & FORESTS

TIMBER CORPORATION



(1981-82)

BRIEF INFORMATION ON FORESTRY PROJECTS

IMPLEMENTING BY TIMBER CORPORATION

WITH

GRANT FROM JAPAN.

TABLE OF CONTENTS

Sr.No.	Articles	Page
1.	Introduction.	1
2.	Technical Cooperation Project for the Forestry Development in the Arakan Range.	3
	A Particulars.	3
	(1) Objective.	3
	(2) Grant Amount.	4
	(3) Date of Signing Record of Discussions.	4
	(4) Date of Grant Effectiveness.	4
	(5) Location of Project.	4
	(6) Tenure of Project.	4
	B Components of the Project and Progress.	4
	(1) Dispatch of Training Equipments.	4
	(2) Experts.	4
	(3) Training Fellowship.	5
	(4) Construction of Buildings.	5
	(5) Forest Road Construction.	6
	(6) Forest Extraction.	6
	C Basic Structure and Facilities of the Project.	6
	(1) Project Central Office.	7
	(2) Technical Cooperation Centre.	7
	(3) Model Operation Forest, Chaungtha.	7
	(4) Bassein Base Workshop.	8
3.	Equipment Improvement Project for the Forestry Technique Development.	8
	A Particulars.	8
	(1) Purpose of the Project.	8
	(2) Name and Place of the Project.	9
	(3) Name of Responsible Organisation.	9
	(4) Components of the Project.	9

TABLE OF CONTENTS (Contd.)

Sr.No.	Articles	Page
	(5) Grant Amount.	10
	(6) Tenure of Project.	10
	<u>ANNEXURES.</u>	
	I. Cable Logging Machinery and Equipments received by Timber Corporation under JICA Forestry Project during 1978-79 to 1980-81.	
	II. Statement Showing Cable Logging Training in Burma and Abroad.	
	III. List of Machinery and Equipments to be procured in 1981-82 for the "Equipment Improvement Project for the Forestry Technique Development"	
	<u>Maps.</u>	
	1. Map of Burma Showing Japanese Grant Forestry Project Areas.	
	2. Map of JICA Forestry Project Area.	
	3. Map of Equipment Improvement Project for the Forestry Technique Development Area.	



## 1. Introduction

In May 1975, a cyclone of very high intensity struck the Bassein area in Irrawaddy Division resulting in considerable damage to the forests of southern part of Arakan Range.

To remove timber from this area and to increase hardwood extraction which was left to be undeveloped for many years; the government of the Socialist Republic of the Union of Burma forwarded a proposal to the Government of Japan to look into the possibility of a technical assistance by Japan mainly for the purpose of introducing Cable Logging Technology into Burma. In response to this proposal, the Japan International Cooperation Agency (JICA) dispatched survey teams and short term survey experts in 1976 and 1977. Consequently it was agreed that it is worthwhile to introduce Cable Logging System and to train Timber Corporation personnel in the technology for logging on steep slopes.

On 2nd December 1977, the Managing Director of Timber Corporation on behalf of the Ministry of Agriculture and Forests and Mr. Heizaburo Tezuka, head of the

Japanese Forestry Survey Team, signed the Record of Discussions pertaining to the implementation of the Technical Cooperation Project for the Forestry Development in the Arakan Range in Burma.

On 30th April 1980, 2½ years after the starting of the above Project, the Embassy of Japan in Burma forwarded new offer of Project type technical cooperation to the Ministry of Foreign Affairs of the Socialist Republic of the Union of Burma. In response to the above offer, Timber Corporation submitted a project proposal to the authorities concerned. The cabinet of the Socialist Republic of the Union of Burma approved the proposal during December 1980. This approved proposal was sent to the Government of Japan. Eventually, on 26th March 1981, a Note was exchanged between Deputy Minister for Planning and Finance of the Socialist Republic of the Union of Burma Dr. Maung Shein and Japanese Ambassador to Burma Mr. Masatada Tachibana.

According to the Note, the Government of Japan will extend to the Socialist Republic of the Union of Burma, a grant up to six hundred million yen (¥600,000,000). The grant will be used by the Government of the Socialist Republic of the Union of Burma for the purchase of machinery and equipments for extraction, forestry road construction and workshop, for the purpose of contributing to the execution of the Equipment Improvement Project for the Forestry Technique Development. The particulars of the Project are stated in item (3) of this booklet.

2. Technical Cooperation Project for the Forestry Development in the Arakan Range.

A Particulars

- (1) Objective -- To gain technical knowledge in Cable Logging technique through the cooperation and training by Japanese experts and to utilize this method not only in Bassein area but also in other parts of Burma

and thereby increase the production of Timber.

- (2) Grant Amount --- US\$2.5 million.
- (3) Date of Signing Record of Discussion --- December 2, 1977 in Rangoon, Burma
- (4) Date of Grant Effectiveness --- December 2, 1977.
- (5) Location of Project --- In the Irrawaddy Division, southern part of Arakan Range.
- (6) Tenure of Project --- Four years commencing from 1978-79 to the end of 1981-82 fiscal years.. (During the Third Four Year Economic Plan).

B Components of the Project and Progress.

- (1) Despatch of Training Equipments --- Detail Statement for dispatch of Training Equipments from Japan to Burma is shown in Annexure I.
- (2) Experts --- For the implementation of the Project, a Chief Adviser, a Liaison Officer and five other experts in the fields of Logging, Extraction Planning and Cable Logging had been sent from Japan to Burma with

two years term basic. At present, the second batch of the foresaid technical cooperation team is working in Burma.

(3) Training Fellowship -- Priority is given for training personnel of Timber Corporation for handling new cable logging equipment and technique. Training programme and training actually done local and abroad, up to the present is given in the statement in Annexure II.

(4) Construction of Buildings -- Construction of following buildings for the Project have been completed up to present.

Sr. No.	Building	Location	Completion Year
1	Project Head Quarters	Rangoon	1978
2	Technical Cooperation Centre	Rangoon	1979
3	JICA Experts Bungalow	Bassein	1978
4	JICA Workshop	"	1979
5	Transit Camp	"	1979
6	Counterpart Residents	"	1978
7	Shawbya Pilot Training	Shawbya	1979
8	Shawbya Experts Rest House	"	1979
9	Shawbya Service Spot	"	1980

(5) Forest Road Construction -- The Project plan consists of construction of approximately 8.0 km (5 miles) of all weather extraction forest road and about 15.6 km (9.7 miles) of feeder roads during project period. Forest road construction in project area, i.e., from Shawbya to Chaungtha Reserve Forest has been completed up to 9 km. (5.5 miles).

(6) Forest Extraction -- Extraction is not forecasted for the first and second fiscal years because cable stretching training are mainly to be conducted during these two years. Total extraction is forecasted to stand at about 50,700 cubic metres (28088 log tons ) for the later two years of the project period. So far, <sup>6962</sup>4888 hardwood logs = <sup>7293</sup>5510 tons have been extracted by cable logging.

#### C Basic Structures and Facilities of the Project.

The Project has four basic following structures which facilitates the smooth implementation according to the Record of Discussions.

- (1) Project Central Office -- Project Central Office in Timber Corporation, Ahlone, Rangoon, is head quarters for the implementation of the project under the Joint Committee formed with the Japanese Experts and Burmese Counterparts, headed by the Project Director as chairman.
- (2) Technical Cooperation Centre -- It is where theory and basic practical trainings are given by Japanese Experts and Burmese Counterparts. Training courses given in the Centre are Logging Managers' Course, Logging Craftsmen Course and Repair Craftsmen Course.
- (3) Model Operation Forest -- The Model Operation Forest comprised of an operation forest in Ch a u n g t h a reserved and a pilot training centre in Shawbya. Practical yarding training and actual production by using cable logging systems are done in operation forest. In Shawbya pilot training centre, there are training facilities and accomodations for trainees as well as experts and counterparts and a service spot for minor repairs and maintenance of forest machines.

(4) Bassein Base Workshop --- A workshop for general repair and maintenance of cable logging and other machineries is situated in Bassein. Bassein workshop can perform electric welding, gas welding, valve refacing, spark plug cleaning, nozzle testing and adjusting, steam cleaning of machines, car washing, hydraulic pressing, metal drilling and grinding, etc.

3. Equipment Improvement Project for the Forestry Technique Development.

A. Particulars.

(1) Purpose of the Project -- Main purposes of the new Project are:-

- (i) To widen the practical application of modern logging techniques including cable logging, firstly in the project area and then to other mountainous areas of Burma.
- (ii) To increase road density in the project area in order to extract timber from the area more effectively.



(iii) To gain more experience in the field of operation and maintenance of forestry equipments and machinery by using technical know-how gained from the present project.

(iv) To supply raw materials for the new plywood factory which is under construction in Bassein.

(2) Name and Place of the Project ----- Equipment Improvement Project for the Forestry Technique Development. Location of the Project area is in the Myittaya Reserved Forest, Bassein Extraction Agency, Irrawaddy Division in the Southern Arakan Range, Burma. (Map Attached).

(3) Name of Responsible Organization --- Timber Corporation, Ministry of Agriculture and Forests, Government of the Socialist Republic of the Union of Burma.

(4) Components of the Project:-

(i) Extend the application of new logging techniques including cable logging for extraction of commercial hardwood timber from

Myittaya Reserved Forest, Bassein Agency.

- (ii) Construction of forest roads from the extraction area to the depots.
  - (iii) Training of Burmese forest staff in the field of cable logging and related logging operations.
  - (iv) Extraction of 20,000 tons of hardwood round logs annually from the Project area.
- (5) Grant Amount -- Yen 600,000,000 (Six hundred million yen) for the purchase of machinery and equipments for extraction, forestry road construction and workshop.
- (6) Tenure of Project -- Four Years commencing from the 1981-82 to 1984-85 fiscal years.

ANNEXURE I.

MACHINERY AND EQUIPMENTS RECEIVED BY TIMBER CORPORATION  
UNDER JICA PROJECT DURING 1978-79 TO 1980-81.

(Yen in thousand)

Item	Description	Amount
1.	For Extraction.	64054
2.	For Road Construction	138549
3.	For Workshop.	6469
4.	For Teaching Aid.	10009
5.	For Office Equipment.	69588
	Total F.O.B.	288699

ANNEXURE II.

STATEMENT SHOWING CABLE LOGGING TRAINING IN BURMA & ABROAD.

Sr. No.	Training Item	Prescribed No. of trainees	Extended No.	Total No. to be trained	Trained No. up to Aug'81	Still to be trained
<u>Local Training*</u>						
1.	Logging Managers' Course.	20	-	20	20	-
2.	Logging Craftsmen Course.	60	3	63	48	15
3.	Repair Craftsmen Course.	20		20	15	5
	Total:-	100	3	103	83	20
<u>Training Abroad (JAPAN)</u>						
1.	Observation of Forestry Situation.	6	-	6	4	2
2.	Extraction Planning.	11	-	11	11	-
3.	Forestry Machinery.	2	-	2	2	-
	Total:-	19	-	19	17	2

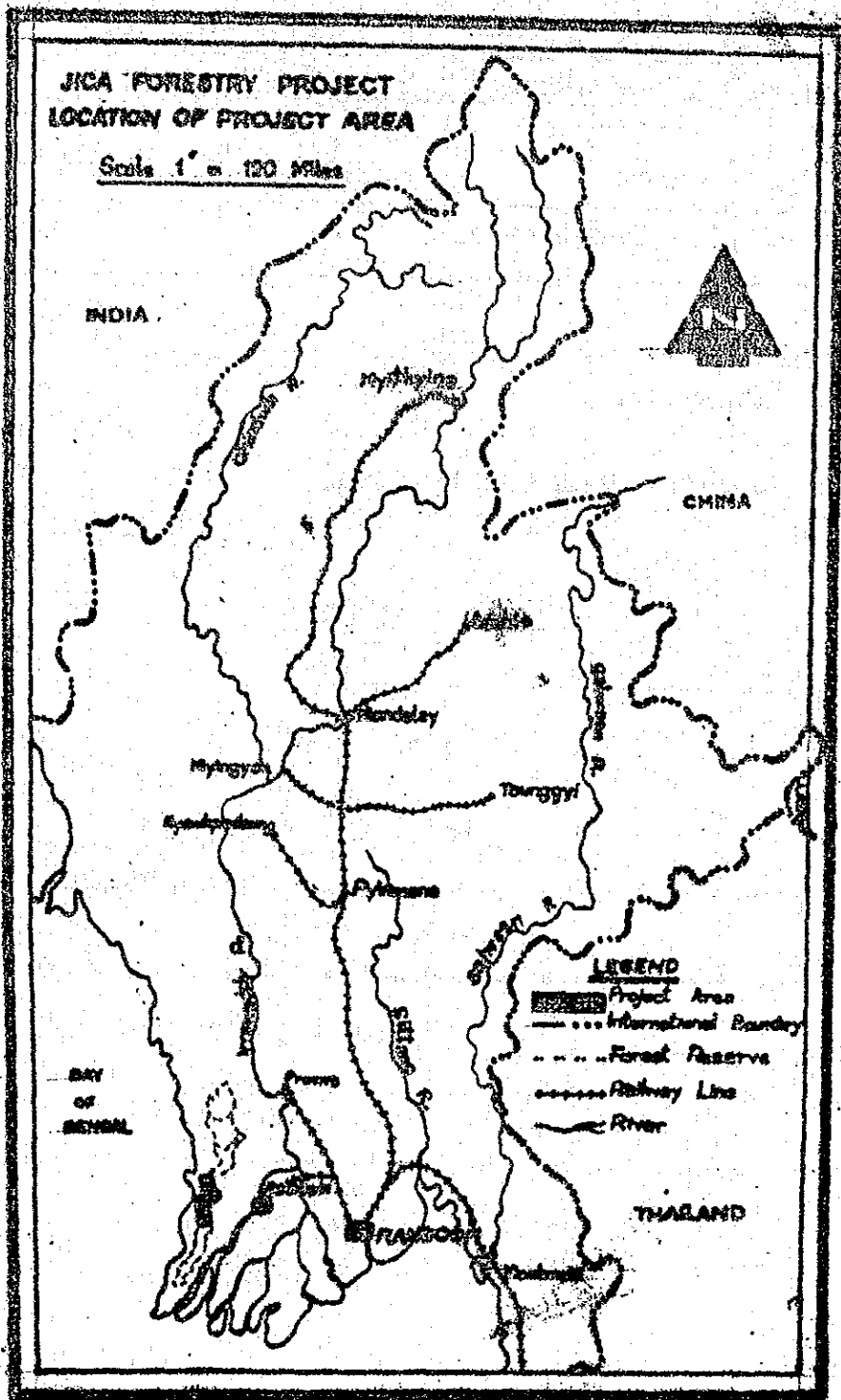
\* Local Trainings are conducted in the Technical Cooperation Centre, Okkyin, Rangoon and in Shawbya Pilot Forest, Bassein Area.

ANNEXURE III.

MACHINERY AND EQUIPMENTS TO BE PROCURED IN 1981-82  
FOR THE EQUIPMENT IMPROVEMENT PROJECT  
FOR THE FORESTRY TECHNIQUE DEVELOPMENT.

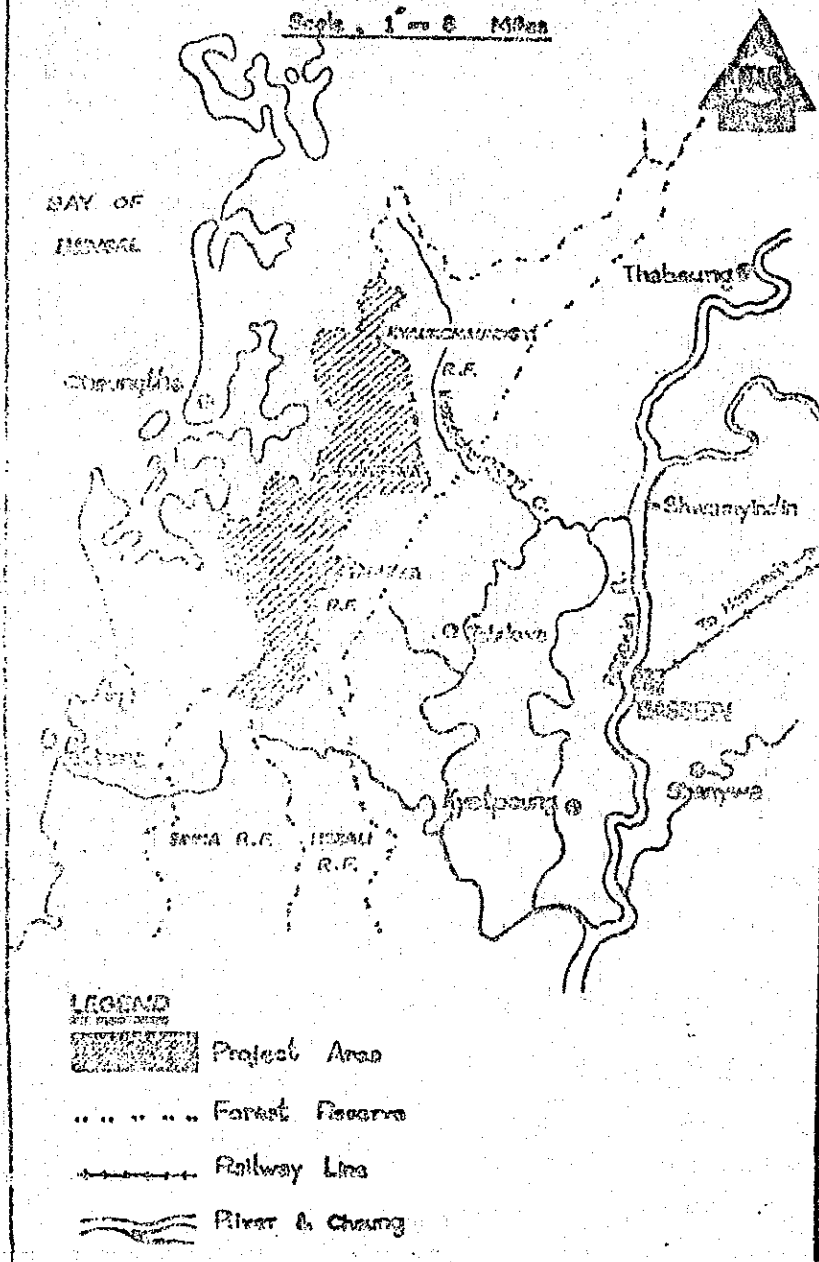
(Yen in thousand)

Item	Description	Amount
1	For Extraction.	180300
2	For Forestry Road Construction.	230000
3	For Workshop.	117000
	Total F.O.B.	527300
	Insurance & Freight	72700
	Total G.I.F.	600000


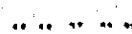
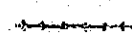



# JICA FORESTRY PROJECT PROJECT AREA MAP

Scale: 1 cm = 5 Miles

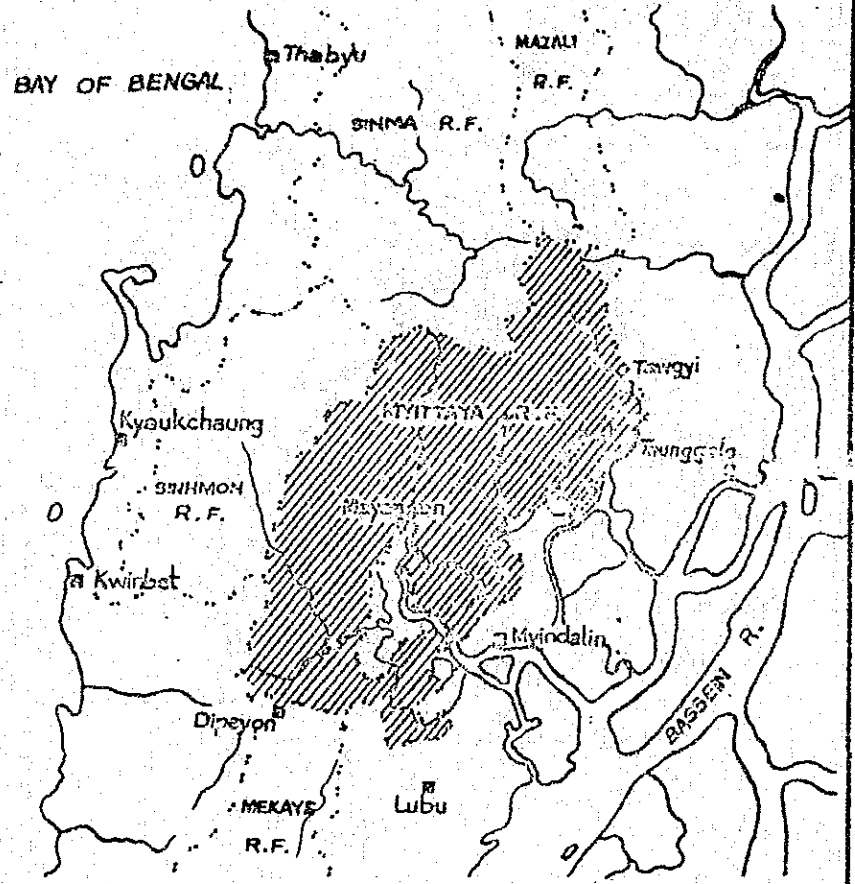


## LEGEND

-  Project Area
-  Forest Reserve
-  Railway Line
-  Piant & Chung

# FORESTRY TECHNIQUE PROJECT AREA MYITTAYA RESERVE

Scale 1" = 8 Miles



- LEGEND**
- Project Area
  - Forest Reserve
  - River & Chaung
  - Village