RO/HQ-T

40850
12/10/20

No. 27/5/2017-For&Envt.
GOVERNMENT OF MANIPUR
SECRETARIAT : FORESTS & ENVIRONMENT DEPARTMENT

Imphal, the 10th October,2017.

To,

The Addl.Pr.Chief Conservator of Forest(C),
NER,MoEF&CC,Government of India,
Shillong-793021
Maghalaya.

Subject:- Submission of additional information for diversion of 60.605 ha forest land for Widening and alternate bypass of NH-39 from Wangjing to sita.

Sir,

I am directed to enclose herewith a copy of letter No.7/103/2013/Forests/155 dated 25/9/2017 from the Pr. Chief Conservator of Forest and HoFF, Manipur on the above subject and to furnish herewith the additional information for diversion of 60.605 ha forest land for Widening and alternate bypass of NH-39 from Wangjing to sita improvement of main alignment of NH 30 (Imphal-Moreh) for further necessary action.

Enclosed:-As above.

Yours faithfully,

(**T. Manihar Singh**)
Deputy Secretary(For& Envt),
Govt. of Manipur.

Copy to:-

1. The Pr. Chief Conservator of Forest,Manipur.
2. The General Manager NHIDCL,
Near Range ground,Yaiskul

PCCF HoFF

CCF

DCF

(ANNEXURE – I)

The following are the information/documents to fulfill the compliance by the Regional Ministry on the Project Proposal submitted by NHIDCL :

1. **"Proposed diversion of 60.605 ha forest land for widening and also alternate bypass of NH-39 from Wangjing to Sita" - Proposal No.: FP/MN/ROAD/20975/2016 Proposal Submitted Date : 12.08.2016 :**

   (i) **Aerial distance of the proposed diversion area from nearest Wildlife Sanctuary** : Hard copy Map is enclosed as **ANNEXURE – I(d).**

   (ii) **GPS coordinates of the starting and end point of the proposed road passing through the forest area along with location names :** Hard copy map showing the details as asked is submitted as **ANNEXURE – I(e).**

   (iii) **To provide the soft copy of the Shape file of the proposed area in polygon feature :** Soft copy is submitted in a DVD as **ANNEXURE – I(f).**

   (iv) **Undertaking Certificate for payment of the Additional NPV :** Hard copy enclosed as **ANNEXURE – I(g).**

   (v) **NHIDCL will bear the cost of Tree numbering and marking :** An estimate of Rs.53,600/- is submitted to NHIDCL, BO-Imphal by the Divisional Forest Officer, Chandel vide letter no. 17/01/2013-14/TFD/248-50 dated 07.06.2017 for the Proposal No. : FP/MN/ROAD/20975/2016 (60.605 ha.). NHIDCL has paid the amount of **Rs.1,81,000.00/- (Rupees One Lakh and Eighty One Thousand) Only on 12th July, 2017** including Rs.53,600/- **(Rupees Fifty Three thousand and Six hundred) Only** in the Bank account, details as mentioned below vide NEFT No. P17071283712000 :

1	Name of the Account Payee	CAMPA Tengnoupal Forest Division
2	Account Number	03461100002338
3	Name of the Bank	Punjab & Sind Bank
4	Name of the Bank Branch	Thangal Bazaar
5	IFSC Code	PSIB0000346

General Manager
NHIDCL
Imphal

(vi) **The original and proposed Right Of Way of the proposed road widening :**

Table : 2A

Sl. No.	Existing (Original) Right Of Way (ROW)		Proposed Right of Way (ROW)		Maximum Widening (Max PROW – Min EROW)
	Minimum (in m)	Maximum (in m)	Minimum (in m)	Maximum (in m)	
01	5 m	8m	20 m	24 m	19m

(vii) **A brief note of the remaining stretch of the road :** The road stretch after Sita is Sita to Khudengthabi and Khudengthabi to Moreh end under NH-39 is in the proposal for widening by NHIDCL. The Forest Clearance application for the remaining stretch is submitted as the Proposal No.: FP/MN/ROAD/20973/2016.

(viii) **The status of environmental clearance if required :**

Table : 2B

Sl. No.	Section of Road	District (s)	Length (km)	Category of existing road	Existing Carriageway Width (m)	Proposed Improvement Proposal
1	Wangjing to Heirok	Thoubal	6.2	Major District Road (MDR)	5	Two lane with paved shoulder standard configuration
2	Heirok to Khudengthabi (via Machi, Sita)	Chandel	57.3	Inter Village Road (IVR)	2-5	
Total			63.5			

The existing road section is categorized as Major District Road (MDR) for 6.2 km length and Inter Village Road (IVR) for 57.3 km length. As per MoEF EIA Notification S.O.3067 (E) dated 1 December 2009 (and subsequent amendment of 22 August 2013), it is understood that MDR/IVR are not covered under the purview of EIA Notification and therefore environmental clearance for improvement of this Wangjing to Sita road section is not required.

General Manager
NHIDCL
Imphal

जमार्ग एवं अवसंरचना विकास निगम लिमिटेड
और राजमार्ग मंत्रालय, भारत सरकार
ghways & Infrastructure Development Corporation Limited
oad Transport & Highways, Govt. of India
e - Imphal, Manipur, Dr. Raikhan Building, Nillai House
M.R. Ground, Babupara, Imphal - 795001, Phone : 0385 - 2440920 www.nhidcl.com

NHIDCL
BUILDING INFRASTRUCTURE - BUILDING THE NATION
CIN: U45400DL2014GOI269062

Undertaking

Name of Proposal : Diversion of 60.605 ha of forest land for widening and improvement of 37.090 km section of alternate bypass of NH-39 (Imphal -Moreh Highway from Wangjing to Sita in the State of Manipur by NHIDCL.

I, the undersigned, on behalf of NHIDCL, Branch Office, Imphal, Manipur 795001 do hereby undertake to pay the additional amount of NPV of the Proposal for Diversion of 60.605 ha of forest land for widening and improvement of 37.090 km section of alternate bypass of NH-39 (Imphal -Moreh Highway from Wangjing to Sita in the State of Manipur by NHIDCL, becoming due after finalization / revision of the same by Hon'ble Supreme Court of India.

Place : Imphal, Manipur

Dated : 13th June, 2017

General Manager (Project)
NHIDCL, Branch Office,
Imphal, Manipur – 795001
Email : nhidclimphal@gmail.com

General Manager
NHIDCL
Imphal

1:125,000

Map showing Aerial distance of the nearest Protected Area from the proposed Site (Alternate bypass of NH-39 from Wangjing to Sita)

Wangjing

Sita

4.90 KM

YLWLS ESZ

YANGOUPOKPI LOKCHAO WLS

General Manager
NHIDCL
Imphal

Legend

- ROAD (WANGJING TO SITA)
- YLWLS BND
- ECO-SENSITIVE BND (YLWLS)

SITA TO YLWLS IS 4.90 KM

Project: Proposed diversion of 60.605 ha. Forest land for widening of NH-39 from Wangjing to Sita

Compartment No. and area of the proposed diversion site

Sl. No.	Range/Block & Compartment No.	Area (ha.)
1	Tengnoupal Range, Biyang Block, Compartment No. 38	1.726006
2	Tengnoupal Range, Biyang Block, Compartment No. 47	0.007144
3	Tengnoupal Range, Biyang Block, Compartment No. 39	1.583903
4	Tengnoupal Range, Biyang Block, Compartment No. 20	0.661684
5	Tengnoupal Range, Biyang Block, Compartment No. 21	3.823013
6	Tengnoupal Range, Biyang Block, Compartment No. 35	1.430423
7	Tengnoupal Range, Biyang Block, Compartment No. 32	7.583243
8	Tengnoupal Range, Khudei Block, Compartment No. 27	2.743368
9	Tengnoupal Range, Khudei Block, Compartment No. 28	4.743317
10	Tengnoupal Range, Khudei Block, Compartment No. 21	0.806872
11	Tengnoupal Range, Khudei Block, Compartment No. 15	2.525045
12	Tengnoupal Range, Khudei Block, Compartment No. 14	9.197278
13	Tengnoupal Range, Khudei Block, Compartment No. 6	0.143871
14	Tengnoupal Range, Khudei Block, Compartment No. 2	1.273238
15	Tengnoupal Range, Khudei Block, Compartment No. 1	9.749042
16	Tengnoupal Range, Khudei Block, Compartment No. 7	4.167790
17	Tengnoupal Range, Khudei Block, Compartment No. 4	2.986675
18	Tengnoupal Range, Khudei Block, Compartment No. 5	2.694234
19	Tengnoupal Range, Khudei Block, Compartment No. 29	0.470305
20	Tengnoupal Range, Khudei Block, Compartment No. 40	1.570145
21	Tengnoupal Range, Khongkhang Block, Compartment No. 3	0.718404
	Total:-	**60.605**

(Dr. L. Jeeceelee)
i/c. Divisional Forest Officer
Tengnoupal Forest Division, Chandel

THE GOO-CORDINATES WITH PHOTOGRAPHS FOR SAMPLE PLOT INUMERATION SURVEY OF THE PROPOSED ROAD WIDENING OF NATIONAL HIGH 102 FROM WANGJING TO SITA UNDER TENGNOUPAL RANGE

Sl. No.	Name of the Sample Plot	No. of Photographs	Geo Coordinate	Remarks
1	SP – 1	8 in 1 page	N-24^{0}34' 10.7" E- 94^{0}05' 11.9"	Wangjing to Heirok
2.	SP – 1	9 in 1 page	N-24^{0}31' 23.0" E- 94^{0}06' 25.2"	Heirok to Karongthel
3.	SP – 1	9 in 1 page	N-24^{0}29' 30.4" E- 94^{0}11' 06.7"	Karongthel to Machi
4.	SP – 2	9 in 1 page	N-24^{0}30' 13.0" E- 94^{0}08' 13.2"	Karongthel to Machi
5.	SP – 1	9 in 1 page	N-24^{0}30' 20.4" E- 94^{0}08' 25.8"	Machi to Lamlong Khullen
6.	SP – 1	9 in 1 page	N-24^{0}28' 18.6" E- 94^{0}11' 31.9"	Lamlong Khullen to Shamukom
7.	SP – 1	9 in 1 page	N-24^{0}27' 03.6" E- 94^{0}13' 16.0"	Shamukom to Sita
8.	SP – 2	9 in 1 page	N-24^{0}27' 11.2" E- 94^{0}08' 09.5"	Shamukom to Sita

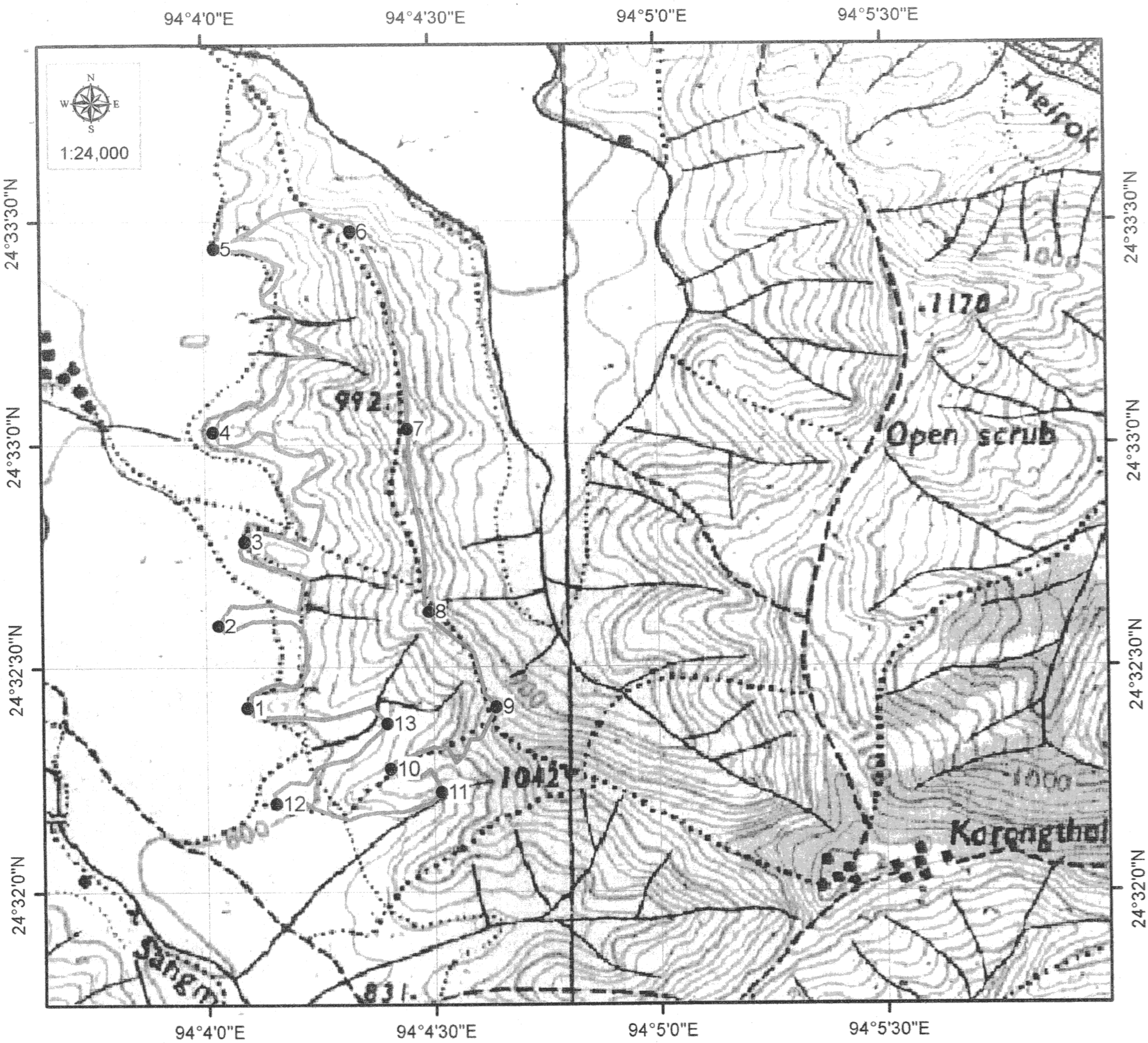
For favour of information and doing the needful

Yours faithfully,

H. Imo Sharma

(H. Imo Sharma)
Range Forest Officer
Tengnoupal Forest Range

Map Showing Proposed CA Site for Diversion of 60.605 ha. of Forest Land for Widening and improvement of 37.090 km section of Alternate bypass of NH 39 (Imphal- Moreh) Highway from Wangjing to Sita.



GPS Points	Laitude	Longitude
1	24° 32' 24.785" N	94° 4' 5.478" E
2	24° 32' 35.703" N	94° 4' 1.708" E
3	24° 32' 47.171" N	94° 4' 5.311" E
4	24° 33' 1.690" N	94° 4' 1.204" E
5	24° 33' 26.450" N	94° 4' 1.483" E
6	24° 33' 28.698" N	94° 4' 19.478" E
7	24° 33' 2.062" N	94° 4' 26.831" E
8	24° 32' 37.632" N	94° 4' 29.509" E
9	24° 32' 24.800" N	94° 4' 38.428" E
10	24° 32' 16.704" N	94° 4' 24.263" E
11	24° 32' 13.637" N	94° 4' 30.986" E
12	24° 32' 12.172" N	94° 4' 9.106" E
13	24° 32' 22.624" N	94° 4' 23.870" E

Name of the Center : Karongthel
Area : 121 Ha.
Block & Compt. no. : Kudei - 3
Range : Tengnoupal
Division : Tengnoupal Forest Division, Chandel

Legend

- ● GPS Points
- ▭ Proposed CA Site, Area : 121 ha.

Asse sment of tree/bamboo species to be affected by the proposed Road Widening of NH 39 From Wangjing to Sita

	Species	Height (ft)	Girth (ft)	No of plants	Volume (cft)	Local Rate (Rs)	Approx value (Rs)	
	Uyung	30	1.333	12	31.18	160	4989.50	24o34'10.7"
	Tairen	25	3	2	21.94	220	4826.25	94o05'11.9"
	Pine	30	3	4	52.65	250	13162.50	Heirok foot hill
	Shahi	25	3.5	3	44.79	160	7166.25	point (RF)
	Tolhao	30	3	3	39.49	280	11056.50	
	Pareng	30	2	2	11.70	160	1872.00	
	Tumitla	25	1.667	2	6.77	280	1896.59	
	Leihao	30	2	5	29.25	300	8775.00	
	Usoi	25	3	3	32.91	160	5265.00	
	Bamboo	20	1 clump	30		100	3000.00	
	Usoi	25	2	3	14.63	160	2340.00	
	Tairen	30	2.3	3	23.21	220	5106.17	
	Shahi	25	1.7	13	45.79	160	7326.15	
	Tumitla	35	2	3	20.48	220	4504.50	
	Tolhao	30	2	2	11.70	220	2574.00	
	Uyung	25	3	16	175.50	160	28080.00	
	Bamboo	20	1 clump	40		100	4000.00	
	Heirok R/F to Khuning thek(for Heirok)							
	Shahi	25	2	15	73.13	160	11700.00	
	Uyung	25	3	17	186.47	160	29835.00	
	Tolhao	30	4	2	46.80	280	13104.00	
	Feija	20	1.333	5	8.66	160	1385.97	
	Uyung	30	2	18	105.30	160	16848.00	
	Tairen	35	1.667	3	14.22	220	3129.38	
	Usoi	25	2	2	9.75	160	1560.00	
	Pareng	35	2.4	1	9.83	160	1572.48	
	Tumitla	35	2	3	20.48	280	5733.00	
	Uyung	20	1.333	20	34.65	160	5543.89	
	Shahi	20	2.333	11	58.37	160	9340.00	
	Bamboo	20	1 clump	40		100	4000.00	
	Pine	37	3	3	48.70	250	12175.31	
	Tairen	35	3	2	30.71	220	6756.75	
	Heirit	15	2.5	7	31.99	160	5118.75	
	Uyung	20	1.333	3	5.20	160	831.58	
	Tolhao	30	2	3	17.55	220	3861.00	
	Wang	35	3.667	3	68.83	220	15142.88	
	heining	30	3.7	2	40.04	160	6406.92	
	Bamboo	20	1 clump	30		100	3000.00	
	Uyung	30	2	12	70.20	160	11232.00	
	Shahi	25	2	15	73.13	160	11700.00	
	kurao	26	2.3	3	20.12	160	3218.44	
	Shahi	25	2	2	9.75	160	1560.00	
	Feija	20	2	2	7.80	160	1248.00	
	Bamboo	20	1 clump	40		100	4000.00	
	Uyung	25	1.333	10	21.66	160	3464.93	
	Shahi	20	2	5	19.50	160	3120.00	

	Uyung	20	12	1	140.40	160	22464.00	
	Uyung	25	2.5	4	30.47	160	4875.00	24o31'23.0"
	Tairen	40	5	3	0.00	220	0.00	94o06'25.2"
	Heirit	15	2	15	43.88	160	0.00	
	Missi	40	3	2	35.10	160	5616.00	
	Uyung	30	2	2	11.70	160	1872.00	
	Heirit	15	3	10	65.81	160	10530.00	
	Sahi	30	2	10	58.50	160	9360.00	
	Missi	30	2	1	5.85	160	637.36	
	Heikreng	30	3	2	26.33	160	4212.00	
	Uyung	45	2	5	43.88	160	7020.00	
	Heirit	25	1.5	2	5.48	160	877.50	
	Missi	35	2	3	20.48	160	3276.00	
	Uyung	27	1.167	5	8.96	160	1434.07	
	Heirit	15	1.667	2	4.06	160	650.26	
	Pareng	30	3	2	26.33	160	4212.00	
	Sahi	27	1.167	5	8.96	160	1434.07	
	Heirit	15	2.667	2	10.40	160	1664.42	
4	Unknown	35	2	3	20.48	160	3276.00	
5	Uyung	30	1.333	4	10.39	160	1663.17	
6	Khok	30	1.167	2	3.98	160	637.36	
7	Tairen	30	3	2	26.33	220	5791.50	
8	Sahi	30	1.667	3	12.19	160	1950.78	
9	Heirit	15	1.333	2	2.60	160	415.79	
0	Pareng	40	1.333	3	10.39	160	1663.17	
1	Heirit	15	1.333	2	2.60	160	415.79	
2	U Thangjing	35	2	1	6.83	160	1092.00	
3	Tairen	35	1.667	4	18.97	220	4172.50	
4	Khok	30	1.333	2	5.20	160	831.58	
5	Pareng	30	1.333	1	2.60	160	415.79	
6	Sahi	30	1.5	1	3.29	160	526.50	
7	Pareng	27	1.333	4	9.36	160	1496.85	
8	Khok	25	1.067	2	2.78	160	444.01	
9	Sahi	26	2	3	15.21	160	2433.60	
0	Bamboo	20	1 clump	40		100	4000.00	
1	Sahi	27	3	4	47.39	160	7581.60	
	Khuningthek to Karongthel (for Karongthel)							
2	Uil	30	4	1	23.40	160	3744.00	
3	Pareng	40	2.333	4	42.45	160	6792.73	
4	do	30	1.5	15	49.36	160	7897.50	
5	Uyung	30	5	2	73.13	160	11700.00	
6	Heirit	15	1.833	3	7.37	160	1179.32	
7	Tairen	35	2	5	34.13	220	7507.50	
8	Wang	40	3	5	87.75	220	19305.00	
9	Usoi	30	2	10	58.50	160	9360.00	
0	Pareng	35	2	5	34.13	160	5460.00	
1	Usoi	30	3	10	131.63	160	21060.00	
2	Heirit	15	1.667	3	4.74	160	758.56	
3	Pareng	40	2	1	1.66	160	265.60	
4	Seijrak	20	1.2	1	1.05	160	167.68	

H. Lino Sharma

Tumitla	30	2	5	0.43	280	121.52
Pine	30	3	3	5.42	250	1354.75
Wangthinam	30	2	4	0.98	160	156.00
Mukthrubi	15	2	6	138.65	160	22183.84
Unkown	45	2.333	10	11.94	160	1910.40
Heibong	40	3	2	10.61	160	1698.24
Dalchini	36	2	2	1.30	160	207.84
Bamboo	15	1 clump	10		100	1000.00
Tairen	40	3	15	5.42	220	1192.18
Seijrak	40	2	1	5.42	160	867.04
Uningthou mant	30	3	1	2.60	220	571.78
Tairen	30	4	1	0.98	220	214.50
Wangthinam	30	3.333	3	48.74	160	7798.44
Unkown	30	3	2	26.33	160	4212.00
Heikothong	25	2	4	19.50	160	3120.00
Tumitla	50	3	4	87.75	220	19305.00
Uyung	40	2	3	23.40	160	3744.00
Uningthou	50	3	1	21.94	300	6581.25
Tairen	40	3.667	1	26.22	220	5768.72
Seijrak	25	2	4	19.50	160	3120.00
Heirit	20	1	1	0.98	160	156.00
Seijrak	20	2	1	3.90	160	624.00
Uningthou mant	30	1.667	2	8.13	160	1300.52
Uthum ngaroubi	30	5.333	2	83.19	160	0.00
Uil	30	2	3	17.55	160	2808.00
Tairen	25	2.333	3	19.90	220	4378.12
Seijrak	35	1.333	5	15.16	160	2425.45
Kekru	30	3	10	131.63	160	21060.00
Uil	40	3	30	526.50	160	84240.00
Lamuk	35	3	7	107.49	160	17199.00
Tairen	30	4	3	70.20	220	15444.00
Heikreng	30	3	3	39.49	160	6318.00
Saijrak	40	2	10	78.00	160	12480.00
Tairen	40	6	3	210.60	220	46332.00
Pareng	35	2	1	6.83	160	1092.00
Karongthel to Chalsil (for Chalsil)						
Jil	30	5.333	1	41.59	160	6655.17
Cham	30	3	3	39.49	220	8687.25
Tairen	35	2	1	6.83	220	1501.50
Heitroi	30	1	3	4.39	160	702.00
Jreirom	30	2	3	17.55	160	2808.00
Lamuk	40	1.333	2	6.93	160	1108.78
Sahi	30	1.333	1	2.60	160	415.79
Jyung	35	1.167	2	4.65	160	743.59
Jsoi	30	2	2	11.70	160	1872.00
J/Manbi	25	3	10	109.69	160	17550.00
Bamboo	30	2.Clum	70		100	7000.00
Pareng	40	2.333	3	31.84	160	5094.54
Tairen	50	2	1	9.75	220	2145.00
Jyung	30	1.333	2	5.20	160	831.58

H. Ima. Sharma

4	U/manbi	50	1.667	2	13.55	160	2167.53
5	Tumitla	50	2.667	3	52.01	220	11442.86
6	Heirit	16	2.333	1	4.25	160	679.27
7	Uil	40	1.667	1	5.42	160	867.01
8	Uyung	30	2	2	11.70	160	1872.00
9	Pareng	25	3	2	21.94	160	3510.00
0	Heirit	15	1.667	2	4.06	160	650.26
1	Tumitla	50	2	5	48.75	280	13650.00
2	Pareng	30	1.333	2	5.20	160	831.58
3	Heining manbi	20	2	1	3.90	160	624.00
4	Uthum	20	2.667	1	6.94	160	1109.61
5	Pareng	20	1.667	3	8.13	160	1300.52
6	Uyung	50	1.333	5	21.66	160	3464.93
7	Usoi	20	1	1	0.98	160	156.00
8	Tairen	40	1.667	3	16.26	220	3576.43
9	Unkown	30	5.333	1	41.59	160	6655.17
0	Tairen	30	2.667	3	31.21	220	6865.72
1	Heitup	30	2.667	3	31.21	160	4993.25
2	Bamboo	20	1 clump	60		100	6000.00
3	Tumitla	20	2	2	7.80	280	2184.00
4	Heitup	25	1.333	3	6.50	160	1039.48
5	Pareng	40	2	1	7.80	160	1248.00
6	Uyung	35	2	4	27.30	160	4368.00
7	Tumitla	30	1.667	3	12.19	280	3413.87
8	Sahi	25	4	2	39.00	160	6240.00
9	Usoi	25	1.333	1	2.17	160	346.49
0	U/manbi	30	2	3	17.55	160	2808.00
1	Tairen	30	2	2	11.70	220	2574.00
2	Tumitla	25	2	2	9.75	280	2730.00
3	Usoi	25	2	2	9.75	160	1560.00
4	Uyung	30	3.333	1	16.25	160	2599.48
5	Pareng	30	1.333	4	10.39	160	1663.17
6	Tairen	35	2.333	2	18.57	220	4086.25
7	Heirit	15	2	4	11.70	160	1872.00
8	Usoi	20	1.333	2	3.46	160	554.39
9	Pareng	30	1.667	1	4.06	160	650.26
0	Tairen	30	2	2	11.70	220	2574.00
1	Pareng	25	1.333	2	4.33	160	692.99
2	Uyung	20	1.167	2	2.66	160	424.91
3	U/thangjing	25	1.333	3	6.50	160	1039.48
4	Upal	40	2.333	10	106.14	160	16981.81
5	Sahi	36	3.333	1	19.50	160	3119.38
6	Uyung	30	1.333	2	5.20	160	831.58
7	Sahi	30	1.667	3	12.19	160	1950.78
8	Uyung	25	1.333	3	6.50	160	1039.48
9	Uil	20	3	5	43.88	160	7020.00
0	Missi	30	3	2	26.33	160	4212.00
1	Pareng	25	1.333	2	4.33	160	692.99
2	Tumitla	25	2	1	4.88	280	1365.00
3	Shahi	20	2	1	3.90	160	624.00

H. Lmo Sharma

194	Usoi	40	3.333	1	21.66	160	3465.97	
195	Pareng	50	3.333	2	54.16	160	8664.93	
196	Tairen	20	1	4	3.90	220	858.00	
197	Heirit	20	1	1	0.98	160	156.00	
198	Tairen	20	1.333	1	1.73	220	381.14	
199	Pareng	25	1.333	1	2.17	160	346.49	
200	Pareng	40	2.333	2	21.23	160	3396.36	
201	Heirit	17	1.333	2	2.95	160	471.23	
202	Tumitla	25	1.333	2	4.33	280	1212.73	
203	Wang	30	2	3	17.55	220	3861.00	
204	Pareng	40	2.333	3	31.84	160	5094.54	
205	Uyung	25	2	2	9.75	160	1560.00	
206	Uil	29	3	2	25.45	160	4071.60	
207	Kabulia	20	4	4	62.40	160	9984.00	
208	Heirit	35	1.333	2	6.06	160	970.18	
209	Tumitla	30	2	5	29.25	280	8190.00	
210	Pareng	35	1.333	4	12.13	160	1940.36	
211	Kherai	35	3	1	15.36	160	2457.00	
212	Uningthou manb	30	3	4	52.65	160	8424.00	
213	Pareng	30	1	5	7.31	160	1170.00	
214	Tairen	30	1.667	2	8.13	220	1788.22	
215	Heijuga	40	4	1	31.20	220	6864.00	
216	Heikreng	35	2	1	6.83	160	1092.00	
217	Missi	30	1.333	2	5.20	160	831.58	
218	Tumitla	20	2	3	11.70	280	3276.00	
219	Seijrak	30	3	70		160	7000.00	
220	Upal	25	1.167	3	4.98	160	796.71	
221	Uil	30	2	1	5.85	160	936.00	
222	Heitroi	20	1	5	4.88	160	780.00	
223	Lamuk	40	3.333	2	43.32	160	6931.95	
224	Bamboo	25	1 clump	40		100	4000.00	
225	Uyung	30	1.667	2	8.13	160	1300.52	
226	Tera	25	3	5	54.84	220	12065.63	
227	Uknown	30	2	2	11.70	160	1872.00	
228	Tumitla	25	2	4	19.50	280	7000.00	
229	Lamuk	50	5.667	2	156.56	160	25049.61	
230	Heikreng	40	2.667	3	41.61	160	6657.66	
231	Heirit	18	2.333	4	19.10	160	3056.73	
232	Lamuk	30	1.333	5	12.99	160	2078.96	
233	Heining	20	6	3	105.30	160	16848.00	
234	Usoi	20	1	2	1.95	160	312.00	
235	Heirit	18	1.333	3	4.68	160	748.43	
	Chalchil to Lamlong Khullel (for Lamlong Khullel)							
236	Heikreng	40	3	1	17.55	160	2808.00	Machi W/shed
237	Heikreng	20	1.333	2	3.46	160	554.39	24o30'20.4"
238	Unap	20	1	2	1.95	160	312.00	94o08'25.8"
239	Heijuga	20	1.333	1	1.73	220	381.14	
240	Dalchini	20	3	70	614.25	220	135135.00	
241	Heijuga	25	2	10	48.75	220	10725.00	
242	Bamboo	30	1 clump	20		100	2000.00	

3	Missi	50	2	1	9.75	160	1560.00	
244	Dalchini	30	2	1	5.85	220	1287.00	
245	Heijuga	30	2.333	3	23.88	200	4776.14	
246	Bamboo	25	1 clump	30		100	3000.00	
247	Missi	40	3	1	17.55	160	2808.00	
248	Unknown	30	2	2	11.70	160	1872.00	
249	Thangji	20	2	20	78.00	160	12480.00	
250	Shahi	25	1.667	3	10.16	160	1625.65	
251	Missi	40	3.333	2	43.32	160	6931.95	
252	Uil	25	2	1	4.88	160	780.00	
253	Shahi	25	1	5	6.09	160	975.00	
254	Chorphon	20	1.667	3	8.13	160	1300.52	
255	Ushoi	20	3.333	2	21.66	160	3465.97	Machi army
256	Missi	40	2	1	7.80	160	1248.00	Gate
257	Unknown	25	2	3	14.63	160	2340.00	24o30'13.0"
258	Lamuk	30	1.667	4	16.26	160	2601.04	94o08'13.2"
259	Dalchini	25	1.333	3	6.50	220	1429.29	
260	Wangthinam	25	2	1	4.88	160	780.00	
261	Pareng	25	1.667	1	3.39	160	541.88	
262	Heitroi	30	2.333	1	7.96	160	1273.64	
263	Lamuk	30	1.667	5	20.32	160	3251.30	
264	Unknown	30	1.667	3	12.19	160	1950.78	
265	Missi	30	2	2	11.70	160	1872.00	
266	Wangthinam	25	1.667	2	6.77	160	1083.77	
267	Heijuga	25	3	5	54.84	220	12065.63	
268	Wangthinam	20	1.333	5	8.66	160	1385.97	
269	Dalchini	30	2	3	17.55	220	3861.00	
270	Wangthinam	25	1.667	2	6.77	160	1083.77	
271	Heijuga	20	1	20	19.50	220	4290.00	
272	Ushoi	20	2	7	27.30	160	4368.00	
273	Wangthinam	30	2	2	8.13	160	1300.52	
274	Uningthou manl	25	2.333	2	13.27	160	2122.73	
275	Heijuga	30	2	4	23.40	220	5148.00	
276	Pareng	25	6	3	131.63	160	21060.00	
277	Uyung	40	1.667	1	5.42	160	867.01	
278	Wangthinam	25	1.333	5	10.83	160	1732.47	
279	do	20	2	5	19.50	160	3120.00	
280	Uyung	25	1.667	4	13.55	160	2167.53	
281	Tolhao	20	2.333	3	15.92	280	4457.73	
282	Dalchini	30	6	3	157.95	220	34749.00	
283	Pareng	50	2	1	9.75	160	1560.00	
284	Tolhao	25	1.667	5	16.93	280	4741.48	
285	Dalchini	20	2	4	15.60	220	3432.00	
286	Pareng	30	1.667	7	28.45	160	4551.82	
287	Tolhao	25	2.667	3	26.01	280	7281.82	
288	Uil	30	2.333	12	95.52	160	15283.63	
289	Missi	25	2.333	8	53.07	160	8490.91	
290	Shahi	30	2	1	5.85	160	936.00	
291	Usoi	30	3.333	3	48.74	160	7798.44	
292	Uil	40	3.333	1	21.66	160	3465.97	

	Missi	50	1.667	3	20.32	160	3251.30	
	Wangthinam	25	1.667	1	3.39	160	541.88	
295	Heikreng	25	1.667	1	3.39	160	541.88	
296	Usoi	30	1.333	3	7.80	160	1247.36	
297	Shahi	25	1.333	2	4.33	160	692.99	
298	Kurao	20	3.667	2	26.22	160	4195.43	
299	Uyung	50	3.333	2	54.16	160	8664.93	
300	Uil	40	3	1	17.55	160	2808.00	
301	Heirit	20	2.667	3	20.81	160	3328.83	
302	Urangmei	35	3.333	3	56.86	160	9098.18	
303	Pine	50	1.667	2	13.55	250	3386.77	
304	Urangmei	25	1.333	2	4.33	160	692.99	
305	Lamuk	20	1.667	2	5.42	160	867.01	
306	Urangmei	25	1.667	2	6.77	160	1083.77	
307	Heirit	25	1.333	1	2.17	160	346.49	
308	Usoi	20	2	4	15.60	160	2496.00	
309	Khok	30	1.667	4	16.26	160	2601.04	
310	Ureirom	25	2	2	9.75	160	1560.00	
311	Wangthinam	60	4	2	93.60	160	14976.00	
312	Urangmei	25	2	2	9.75	160	1560.00	
313	Kurao	20	1.667	1	2.71	160	433.51	
314	Upal	25	2	5	24.38	160	3900.00	
315	Missi	20	1.667	5	13.55	160	2167.53	
316	Tumitla	25	2.333	3	19.90	280	5572.16	
317	Chingthrao	20	1.667	2	5.42	160	867.01	
318	Dalchini	30	2.333	2	15.92	220	3502.50	
319	Heikothong	30	3	3	39.49	160	6318.00	Crossing point
320	Wangthinam	40	3	2	35.10	160	5616.00	to BRTF road.
321	Pareng	40	2.667	1	13.87	160	2219.22	24o29'30.4"
322	Upal	25	1.667	1	3.39	160	541.88	94o11'06.7"
323	Cham	25	2	1	4.88	220	1072.50	
324	Usoi	25	2	1	4.88	160	780.00	
325	Urangmei	25	1.667	3	10.16	160	1625.65	
326	Khok	25	2	3	14.63	160	2340.00	
327	Heikreng	20	1.667	2	5.42	160	867.01	
328	Pareng	30	2.333	1	7.96	160	1273.64	
329	Tairen	25	2	6	29.25	220	6435.00	
330	Wangthinam	50	4.667	4	212.36	160	33978.19	
331	Uningthou manl	50	3.667	3	98.33	160	15732.86	
	Lamlong Khullel to Machi (for Machi)							
332	Wangthinam	30	4	3	70.20	160	11232.00	
333	Pareng	30	4	4	93.60	160	14976.00	
334	Upal	30	2.667	3	31.21	160	4993.25	
335	Cham	25	5	2	60.94	220	13406.25	
336	Ushoi	30	2.667	2	20.81	160	3328.83	
337	Khok	25	2	2	9.75	160	1560.00	
338	Urangmei	30	2.667	2	20.81	160	3328.83	
339	Uthumngaroubi	50	3.333	3	81.23	160	12997.40	
340	Wangthinam	25	2	1	4.88	160	780.00	
341	Pareng	25	4	10	195.00	160	31200.00	

	Ushoi	20	2	6	23.40	160	3744.00	
	Dalchini	25	4	2	39.00	220	8580.00	
34	Tumitla	25	2	3	14.63	280	4095.00	
345	Kurao	20	3	2	17.55	160	2808.00	
346	Heikreng	20	1.333	15	25.99	160	4157.92	
347	Tairen	20	3	6	52.65	220	11583.00	
348	Kheu	26	2	1	5.07	280	1419.60	
349	Uningthou	25	4	6	117.00	300	35100.00	
350	Chorphon	26	2.333	2	13.80	160	2207.64	
351	Leihao	20	3.667	5	65.55	280	18355.00	
352	Heiyel	20	3	2	17.55	160	2808.00	
353	Ching tairel	26	1.667	4	14.09	220	3099.57	
354	Heijuga	20	3	4	35.10	220	7722.00	
355	Leihao	25	3	4	43.88	220	9652.50	
356	Missi	20	1.667	3	8.13	160	1300.52	
357	Akmal	30	1.333	2	5.20	160	831.58	
358	Urangmei	40	3.333	1	21.66	160	3465.97	
359	Cham	20	1.333	2	3.46	220	762.29	
360	Larong	20	1	2	1.95	160	312.00	
361	Kher	20	1.333	10	17.32	160	2771.95	
362	Tolhao	50	4	6	234.00	280	65520.00	
363	Tumitla	45	5.667	2	140.90	280	39453.14	
364	Pareng	35	5	1	42.66	160	6825.00	
365	Uningthou	30	2.667	2	20.81	300	6241.56	
366	Heirit	26	2.333	1	6.90	160	1103.82	Samukom Vill.
367	Kheu	20	2	5	19.50	280	5460.00	24o28'18.6"
368	Urangmei	40	1.667	3	16.26	160	2601.04	94o11'31.9"
369	Khok	30	3.333	5	81.23	160	12997.40	
370	Ureirom	40	3	2	35.10	160	5616.00	
371	Uil	35	3.333	3	56.86	160	9098.18	
372	Urangmei	30	3	1	13.16	160	2106.00	
373	Ushoi	26	2.667	1	9.02	160	1442.49	
374	Uningthou	25	2	2	9.75	300	2925.00	
375	Kheu	20	4	5	78.00	300	23400.00	
376	Khok	50	3	1	21.94	160	3510.00	
377	Tumitla	50	3.333	1	27.08	280	7581.82	
378	Tera	45	3	1	24.87	220	5471.37	
379	Tumitla	60	3.333	1	32.49	280	9098.18	
380	Heirit	25	6	3	131.63	160	21060.00	
381	Heikreng	25	2.333	1	6.63	160	1061.36	
382	Pareng	40	3	1	17.55	160	2808.00	
383	Wangthinam	30	3.333	2	32.49	160	5198.96	
384	Kher	30	3	4	52.65	160	8424.00	
385	Tumitla	25	2.333	6	39.80	280	11144.32	
386	Wangthinam	40	2	4	31.20	160	4992.00	
387	Chingthrao	40	5	1	48.75	160	7800.00	
388	Kurao	40	3.333	3	64.99	160	10397.92	

Machi to Samukom (for Samukom)

389	Ushoi	30	3	3	39.49	160	6318.00
390	Kurao	40	2.667	1	13.87	160	2219.22

	Jnmgthou manl	25	3.333	2	27.08	160	4332.47	
	Kher	30	2	1	5.85	160	936.00	
3	Khok	25	4	2	39.00	160	6240.00	
394	Ushoi	30	5	2	73.13	160	11700.00	
395	Kher	20	2.333	2	10.61	160	1698.18	
396	Khok	40	3	2	35.10	160	5616.00	
397	Urangmei	30	3	3	39.49	160	6318.00	
398	Khok	30	1.333	1	2.60	160	415.79	
399	Pareng	40	3.333	2	43.32	160	6931.95	
400	Urangmei	35	3	3	46.07	160	7371.00	Sita Village
401	Tumitla	30	3.333	1	16.25	280	4549.09	24o27'03.6"
402	Ushoi	30	2.667	3	31.21	160	4993.25	94o13'16.0"
403	Pareng	25	4	2	39.00	160	6240.00	
404	Khok	60	5	3	219.38	160	35100.00	
405	Ushoi	25	3	3	32.91	160	5265.00	
406	Urangmei	25	3.333	4	54.16	160	8664.93	
407	Ushoi	40	3	3	52.65	160	8424.00	
408	Khok	30	3.333	1	16.25	160	2599.48	
409	Kheu	30	3	2	26.33	300	7897.50	
410	Heirit	25	2.667	5	43.34	160	6935.07	
411	Urangmei	40	3	5	87.75	160	14040.00	
412	Ushoi	40	4	2	62.40	160	9984.00	
413	Tolhao	20	2	5	19.50	280	5460.00	
414	Khok	35	3.333	1	18.95	160	3032.73	
415	Shahi	30	3	10	131.63	160	21060.00	
416	Heirit	20	2.3	5	25.79	160	4126.20	
417	Khok	25	6	1	43.88	160	7020.00	
418	Heirit	30	1.333	2	5.20	160	831.58	
419	Shahi	25	3	5	54.84	160	8775.00	
420	Khok	30	3.333	2	32.49	160	5198.96	
421	Uil	20	5	1	24.38	160	3900.00	
422	Khok	40	4.333	2	73.22	160	11715.53	
423	Urangmei	30	3	4	52.65	160	8424.00	
424	Shahi	30	2	3	17.55	160	2808.00	
425	Kurao	40	4	2	62.40	160	9984.00	
426	Heikreng	35	5.133	1	44.96	160	7192.92	

Samukom to Sita (for Sita Village) Total:- 25,29,541.45

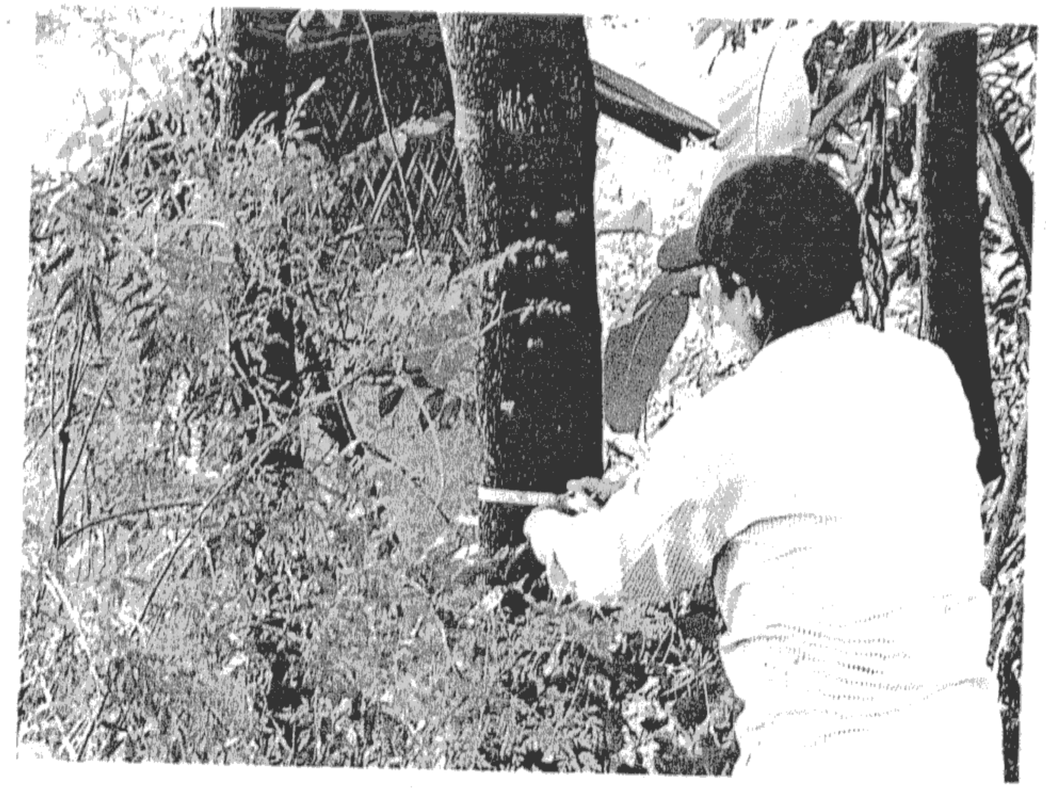
Rupees Twentyfive lakh Twentynine thousand five hundred fortyone and fourtyfive only.

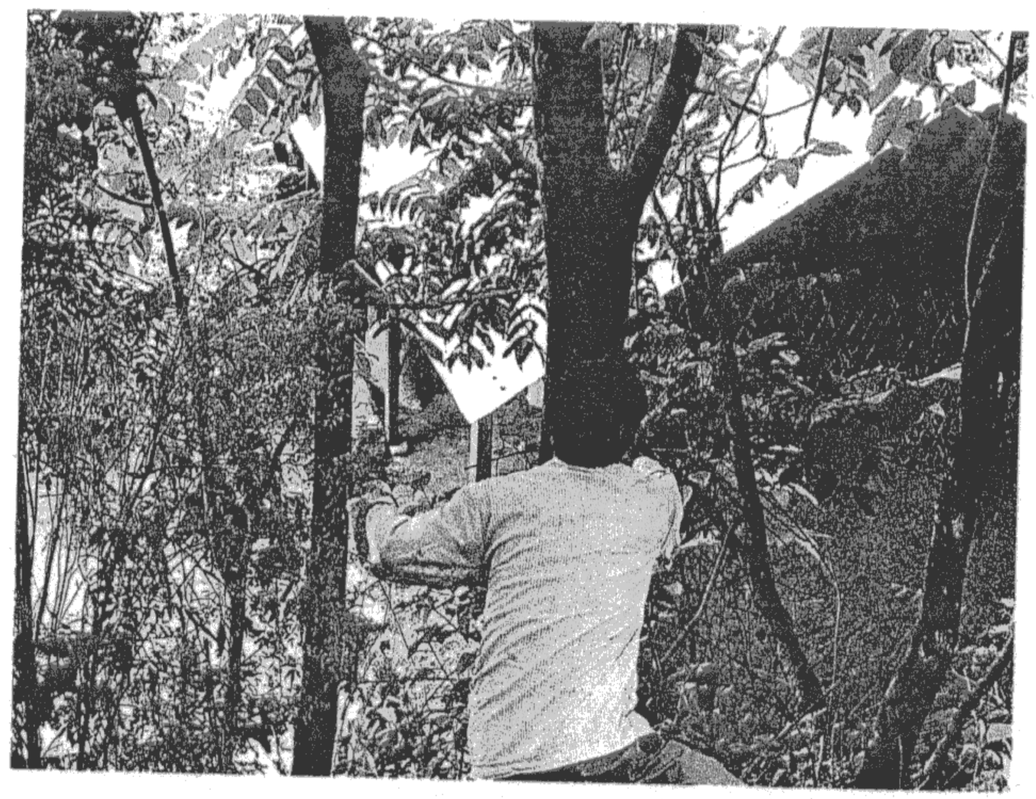
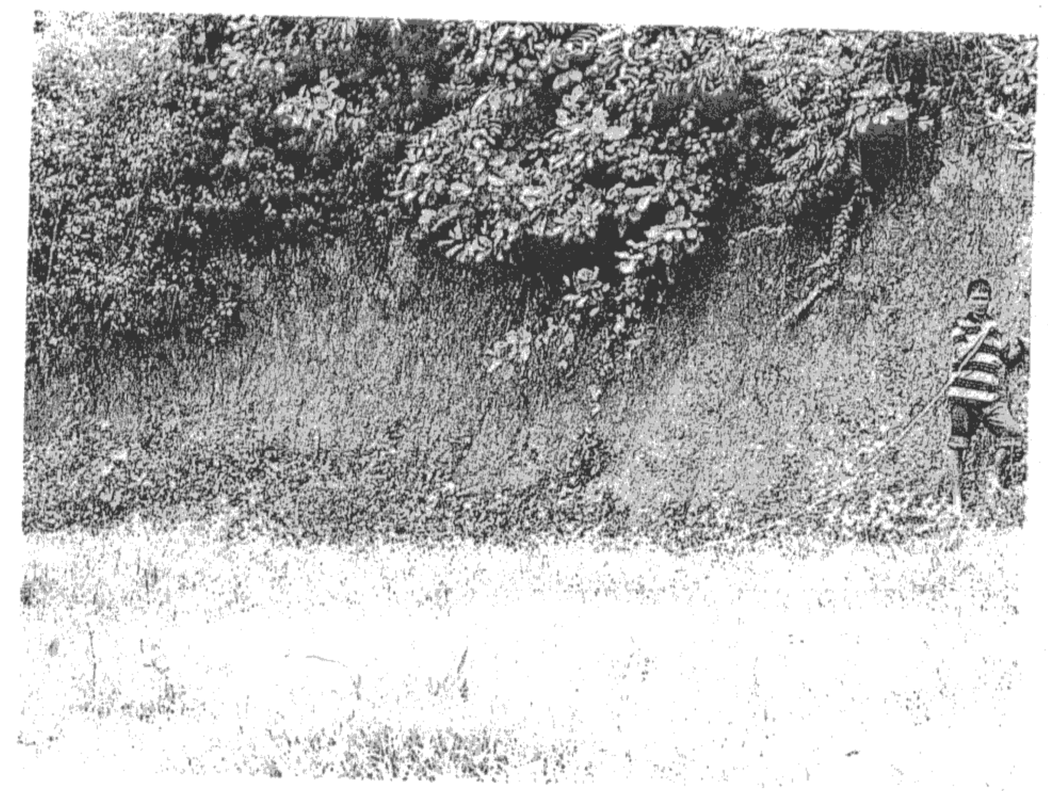
Measured by:-

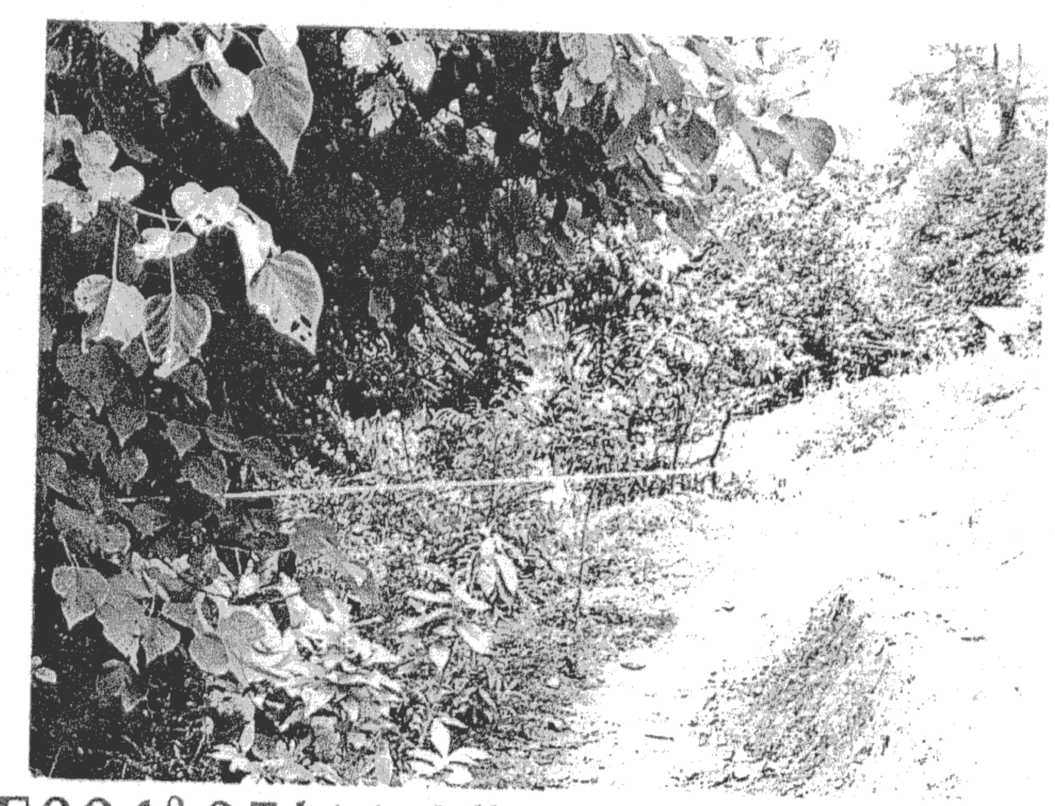
N. Lalit Singh
Dy. RO.

Checked by :-

H. Imo Sharma

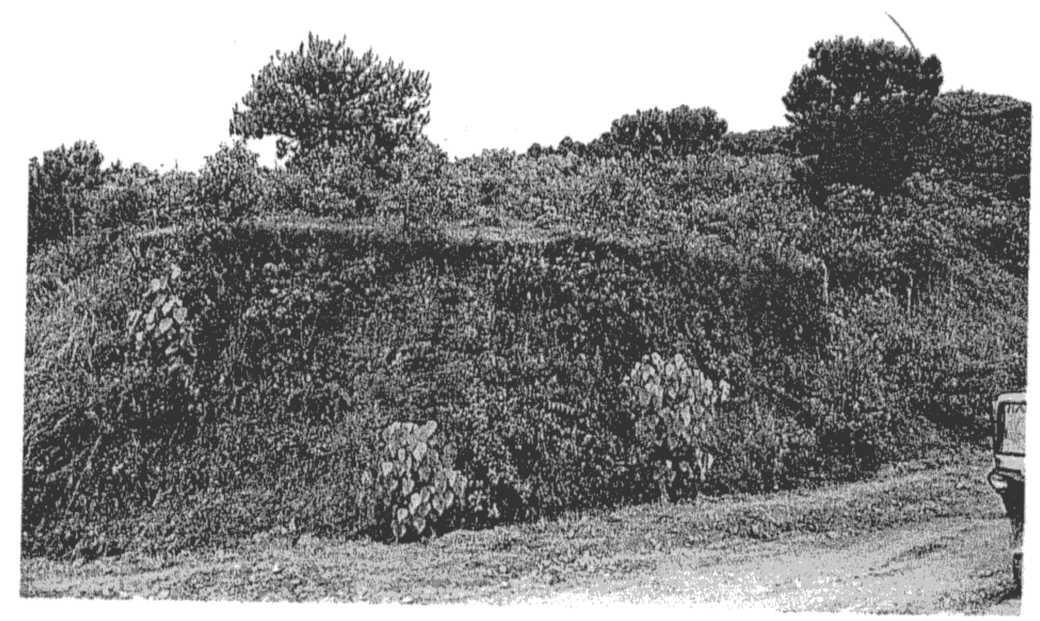



Sample Plot-1 (Heirok) N24^{0}34′10.7″ E094^{0}05′11.9″









Sample Plot-1 (Karongthel) N24^{0}31′23.0″ E094^{0}06′25.2″

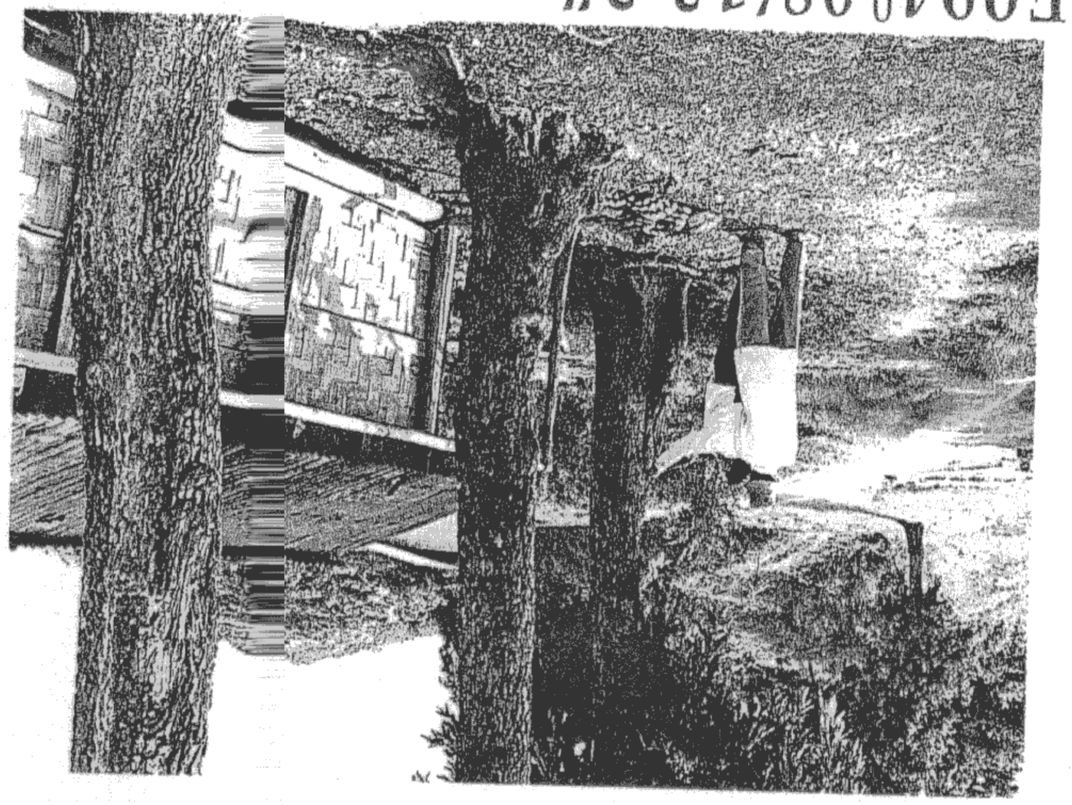
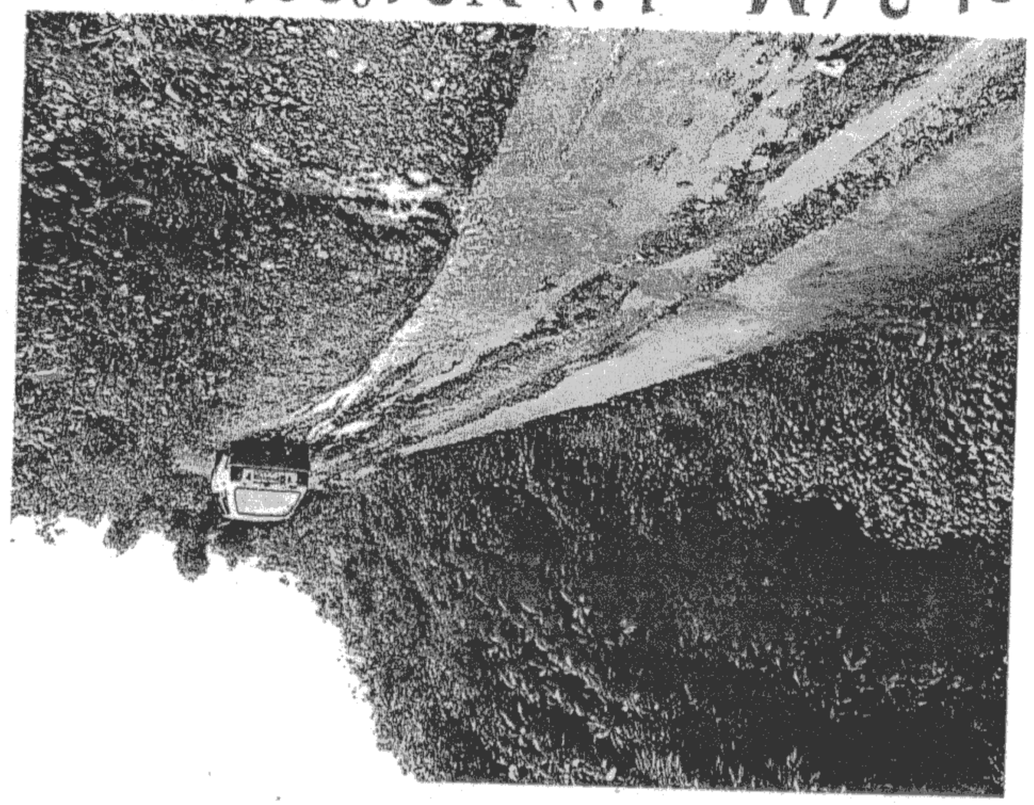
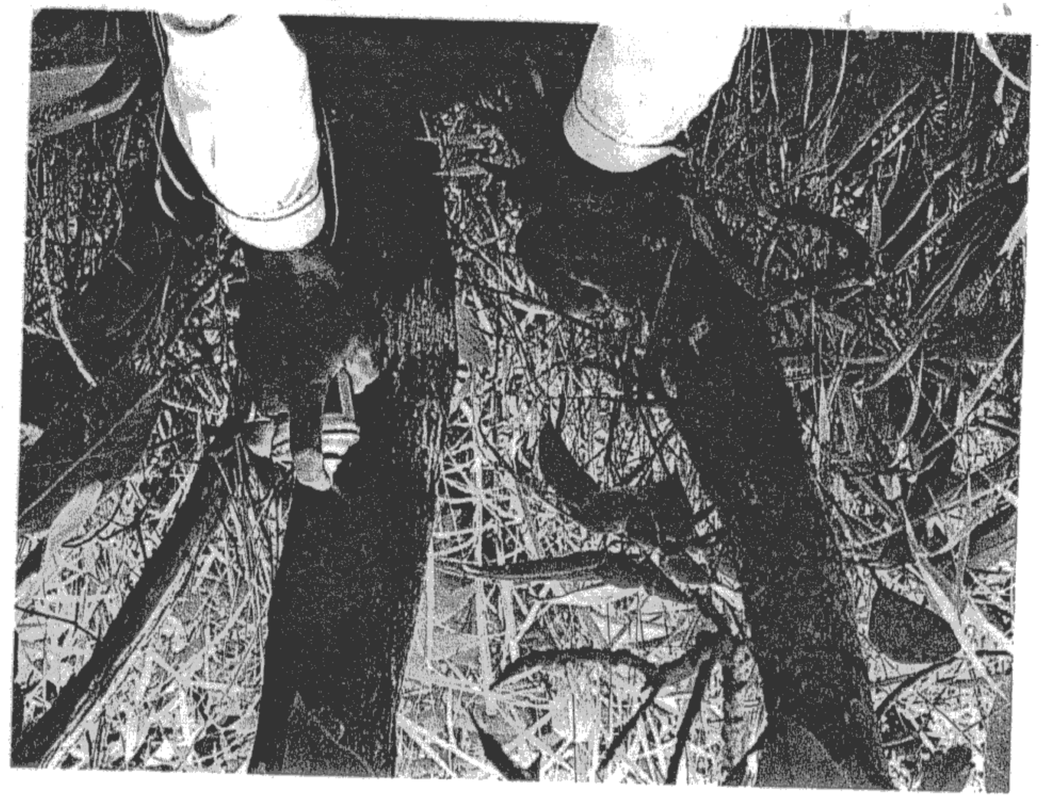
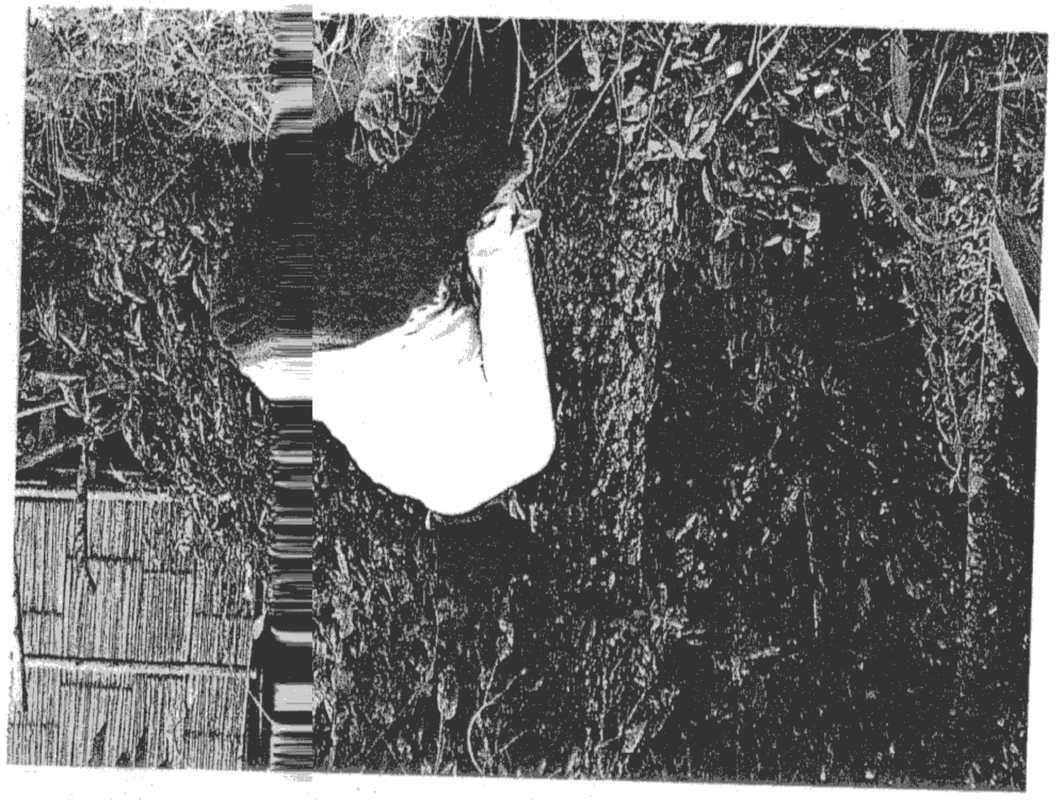
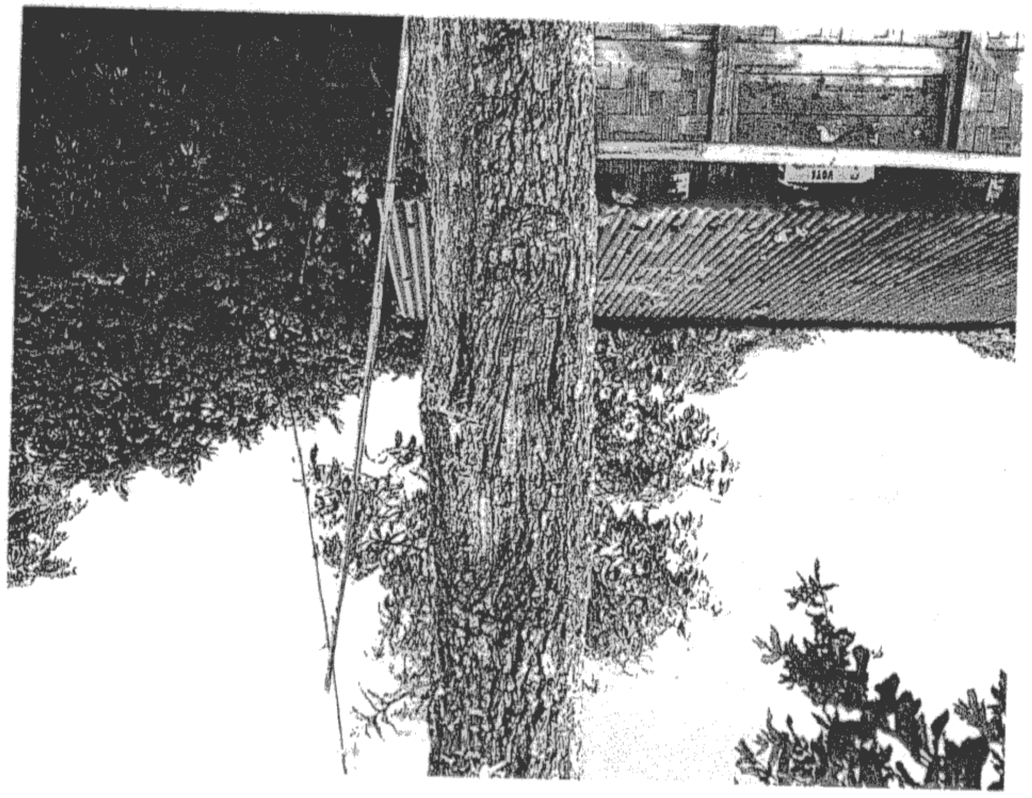
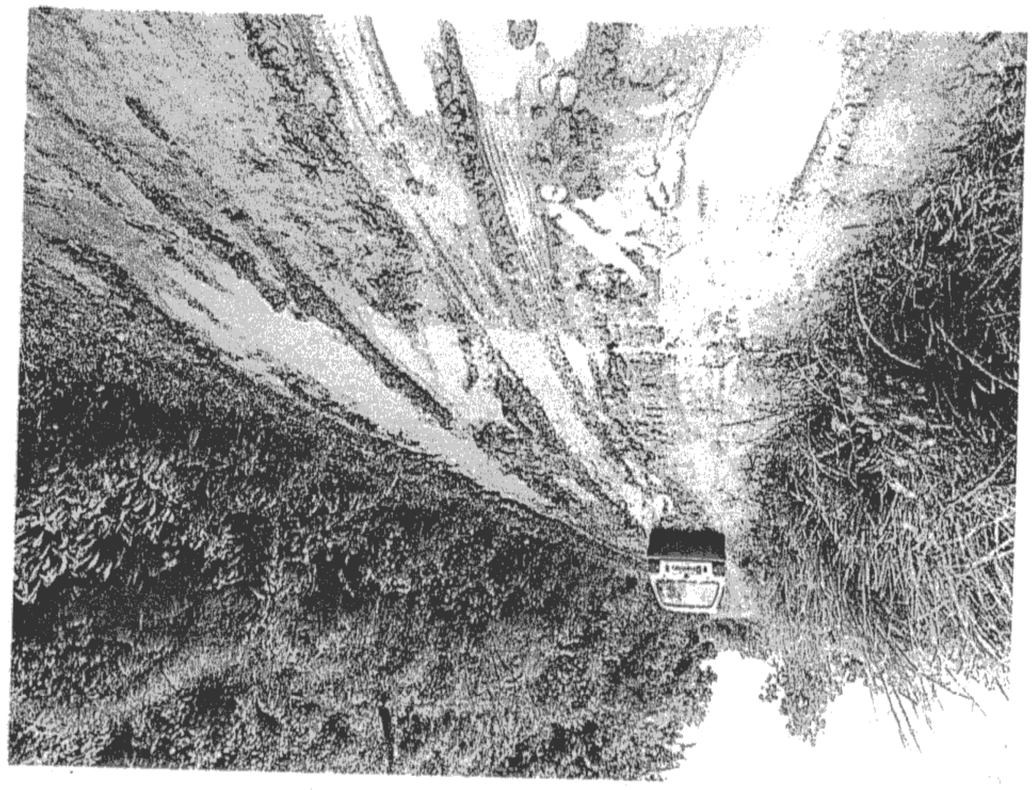
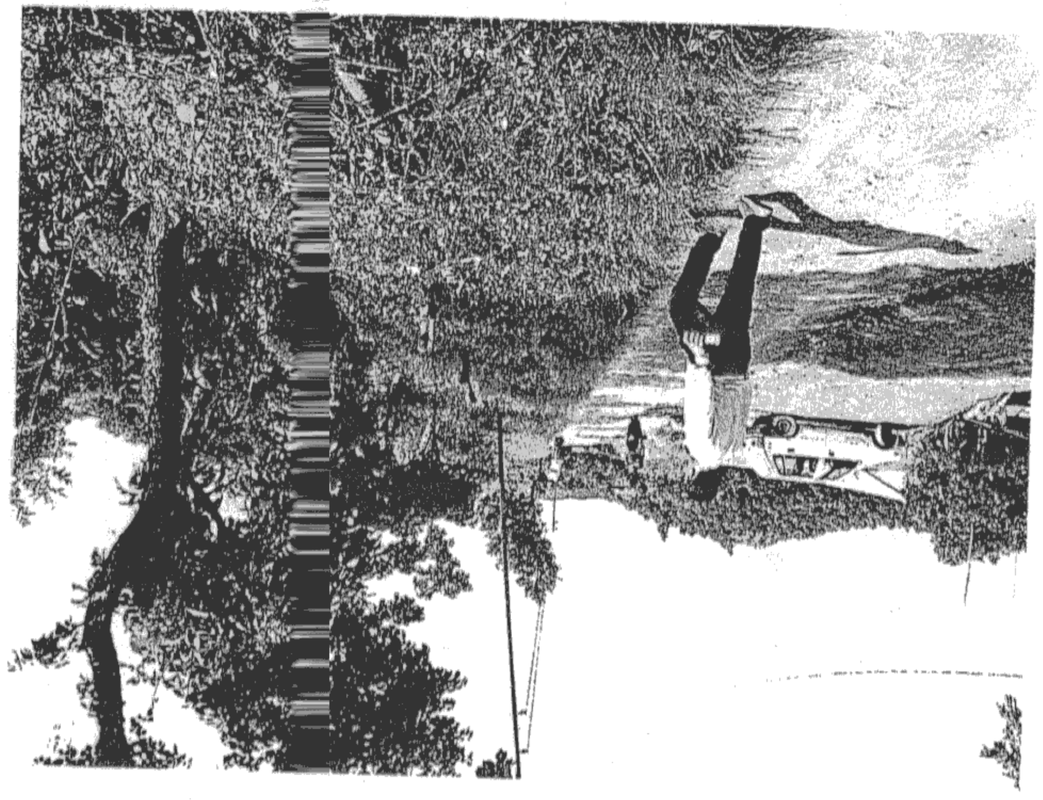
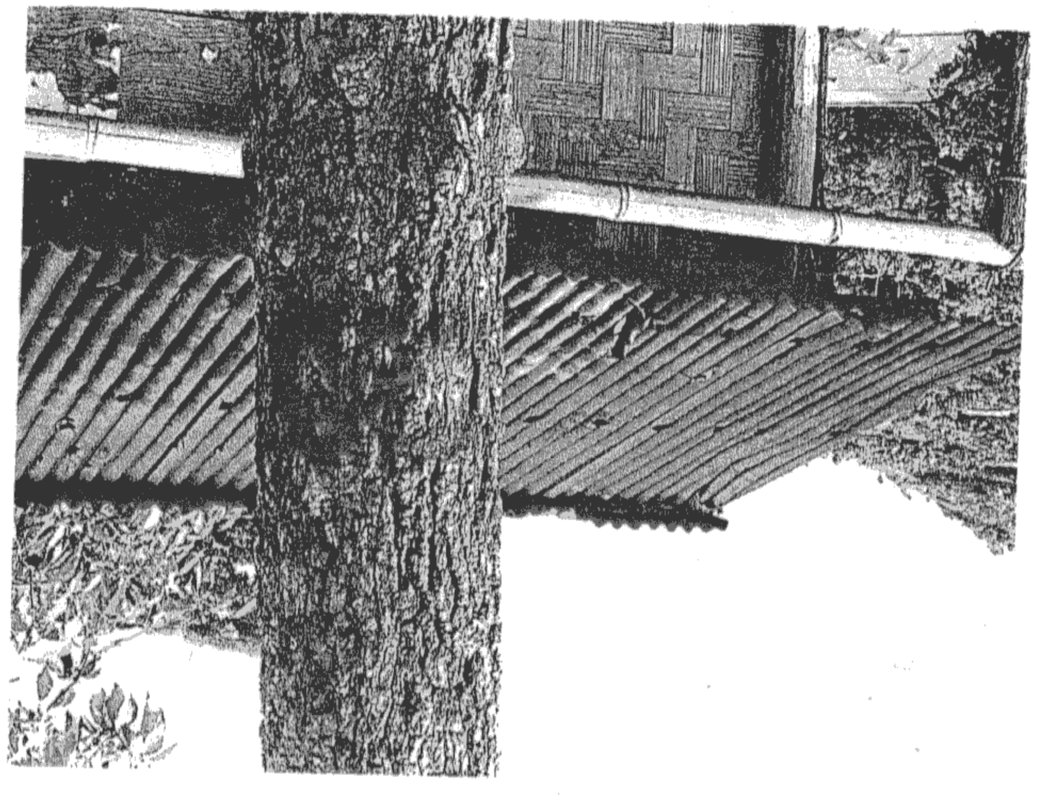




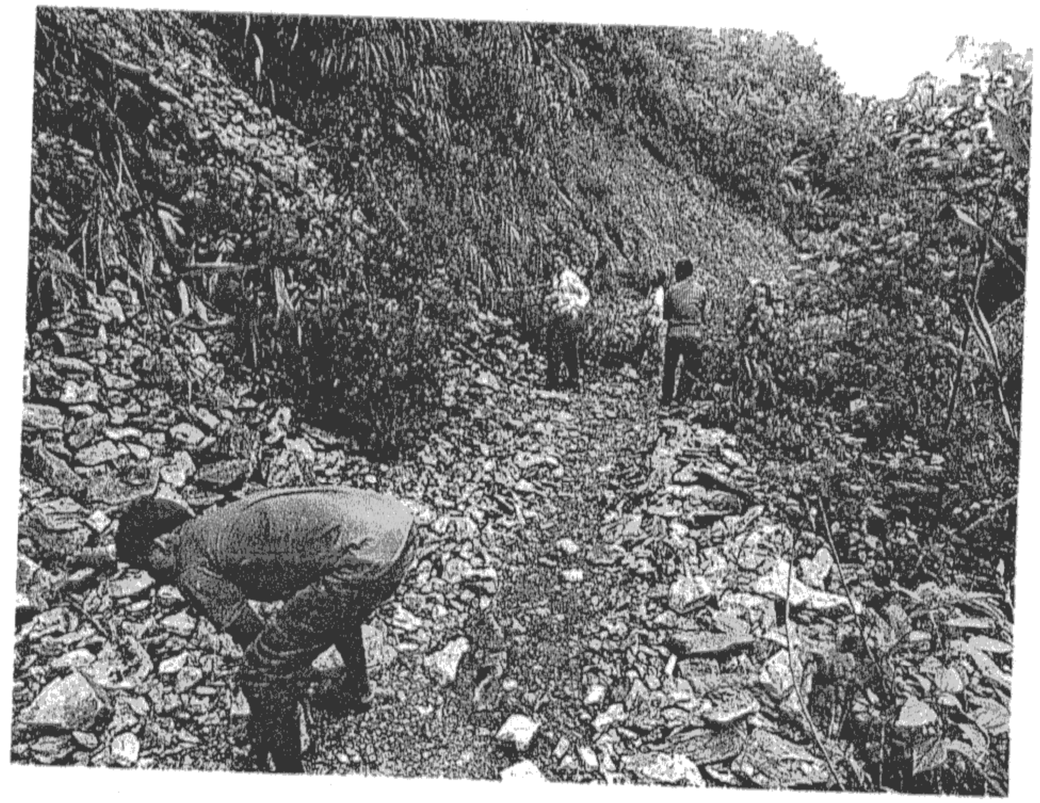




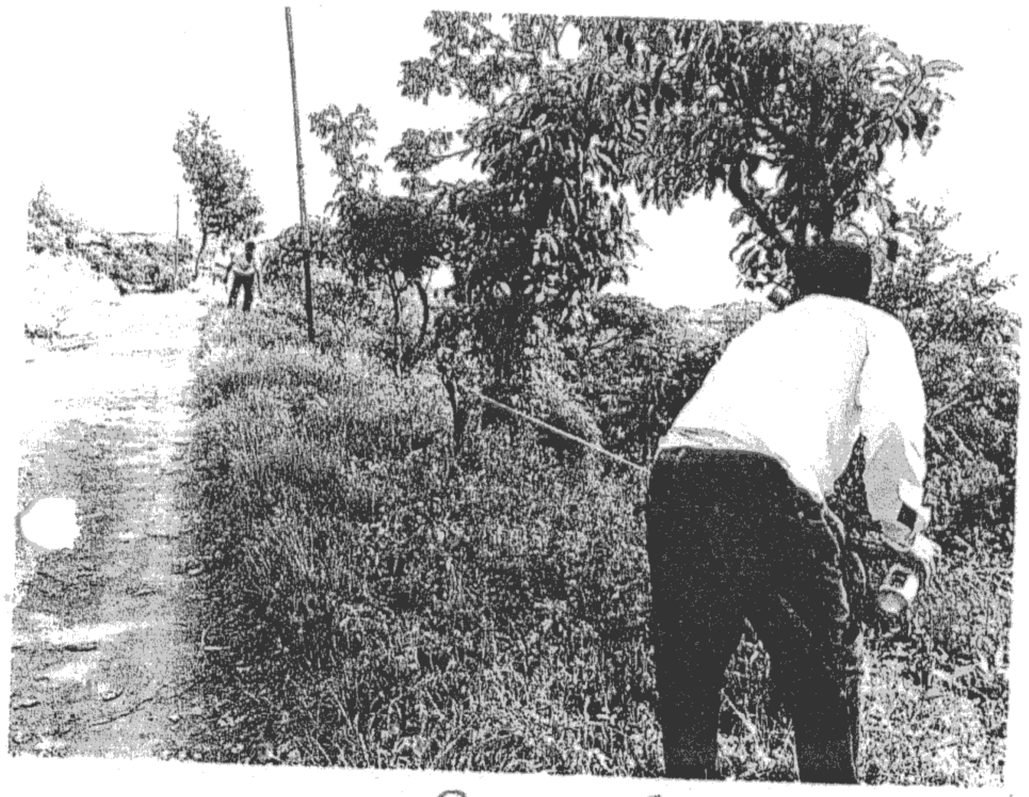
Sample Plot-1 (Machi) N24^{0}29′ 30.4″ E094^{0}11′06.7″

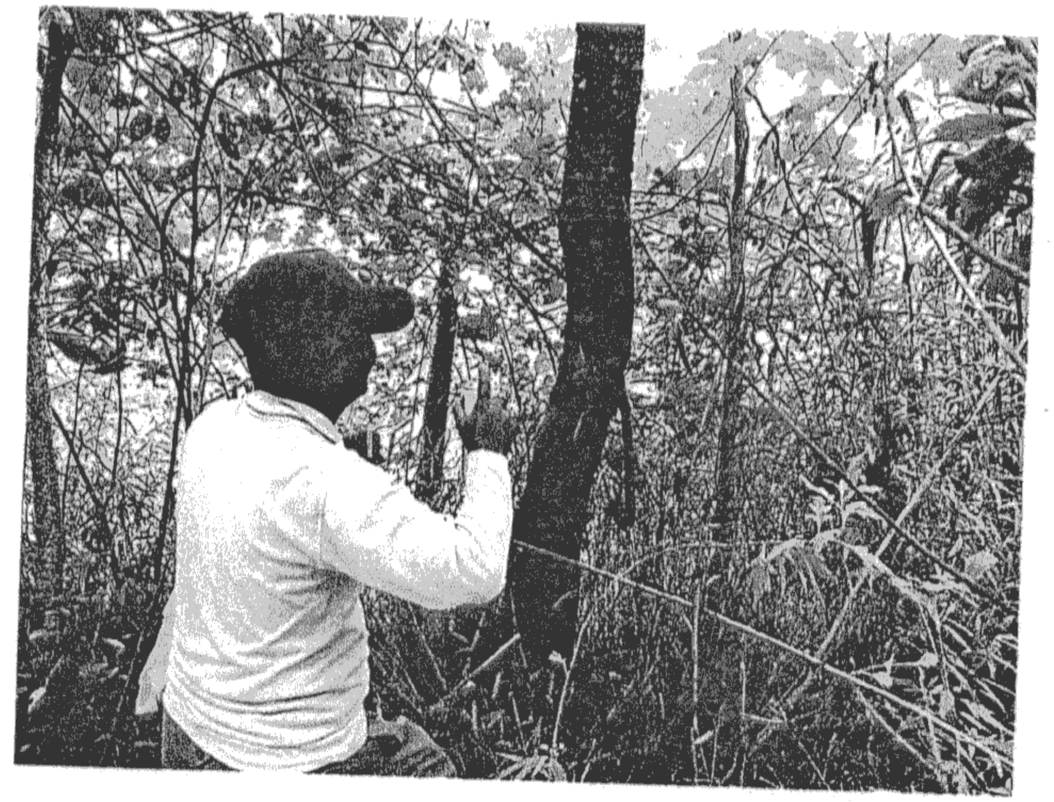

Sample plot-2 (Machi) N24°30', 12.0" E09409°12.0"



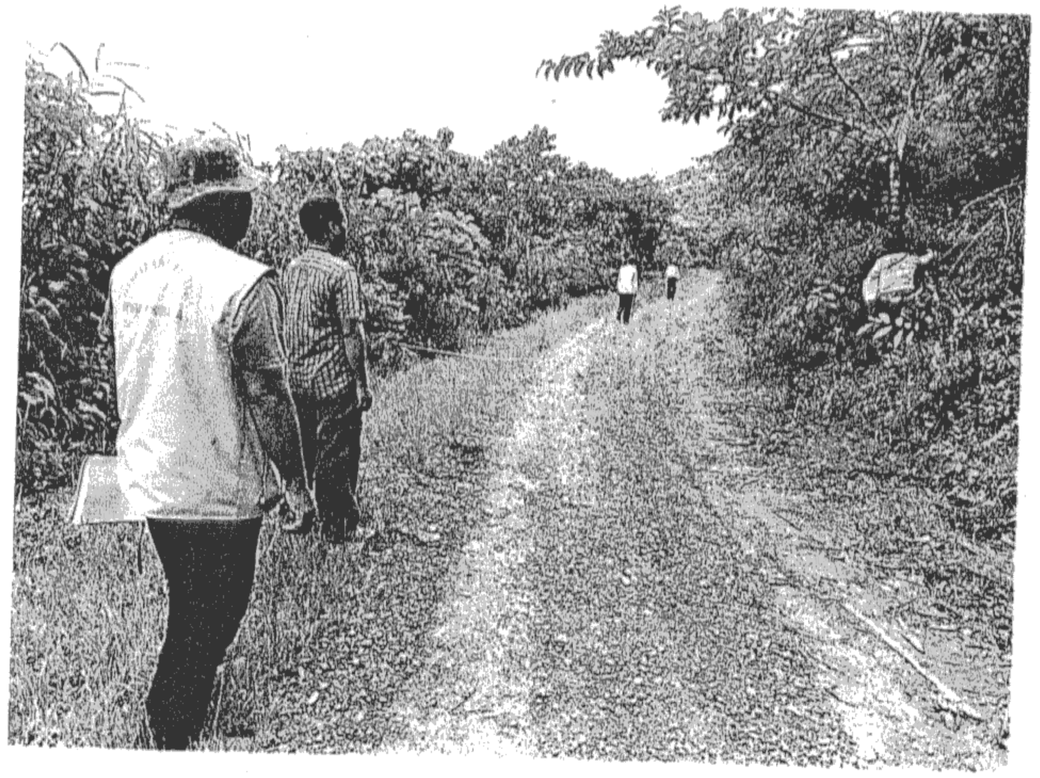
Sample Plot 1 (Lower

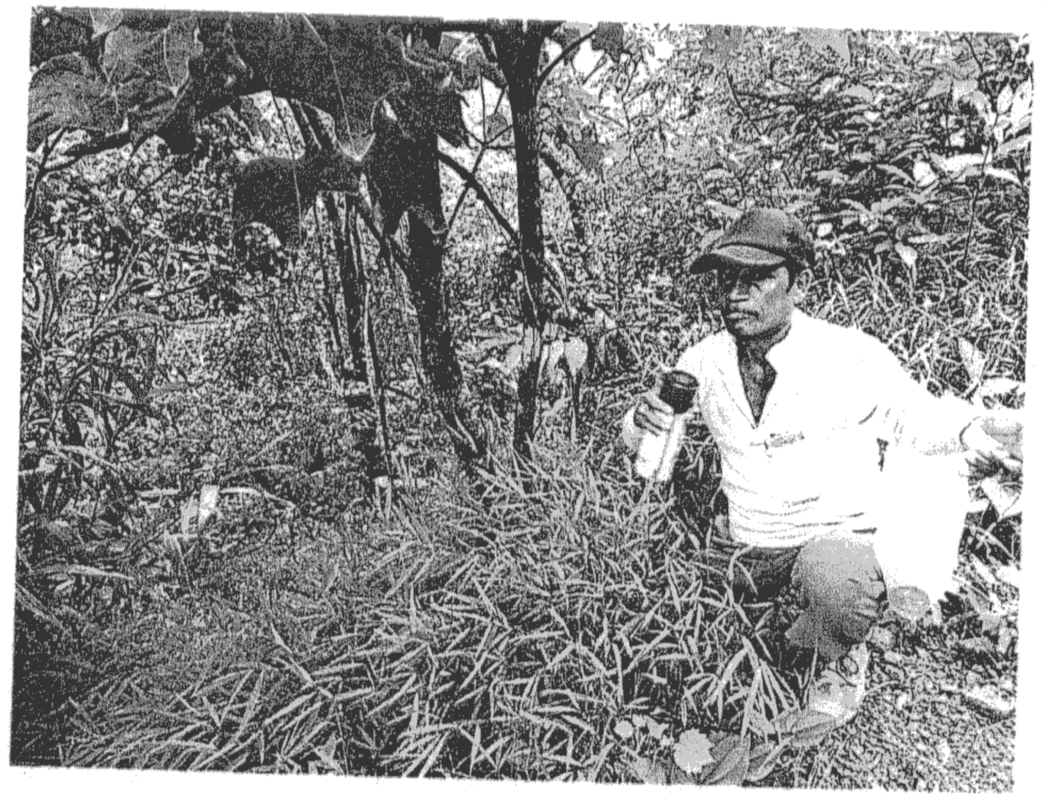





Sample Plot-1 (Shamukon) N24°26' 10.6"

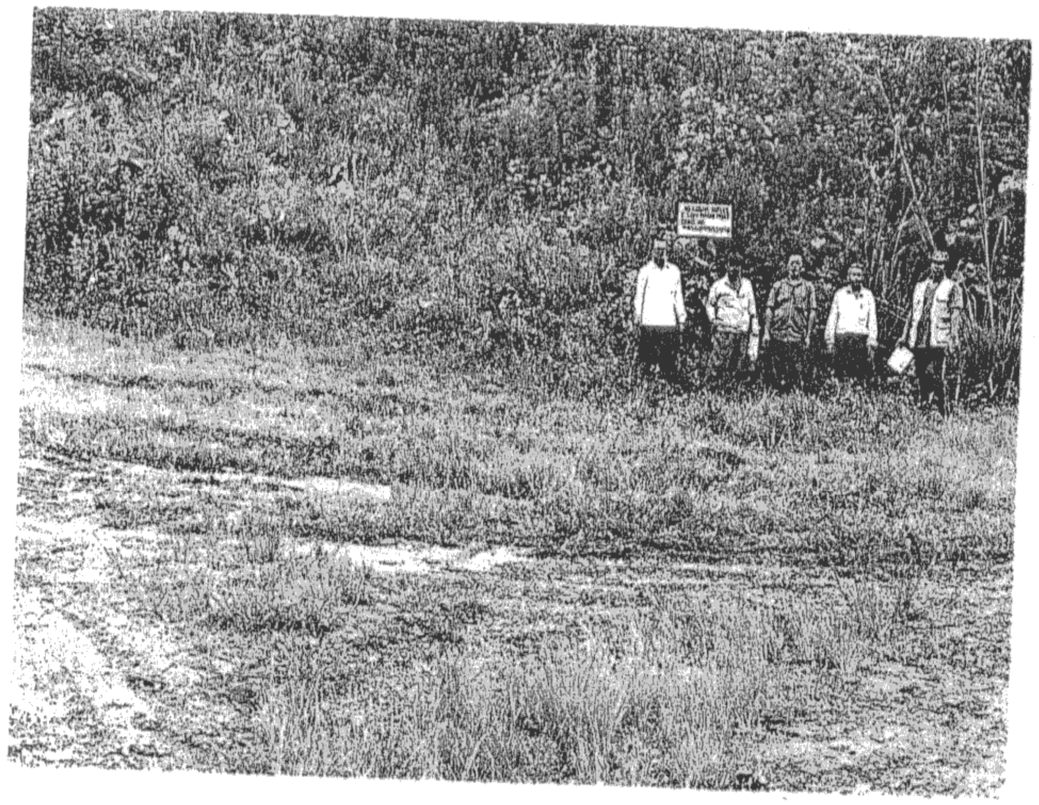








Sample Plot-1 (Site) N24°27′ 02.6″ E90°



Sample Plot-2 (Sita) N24^{0}27′11.2″ E094^{0}08′09.5″