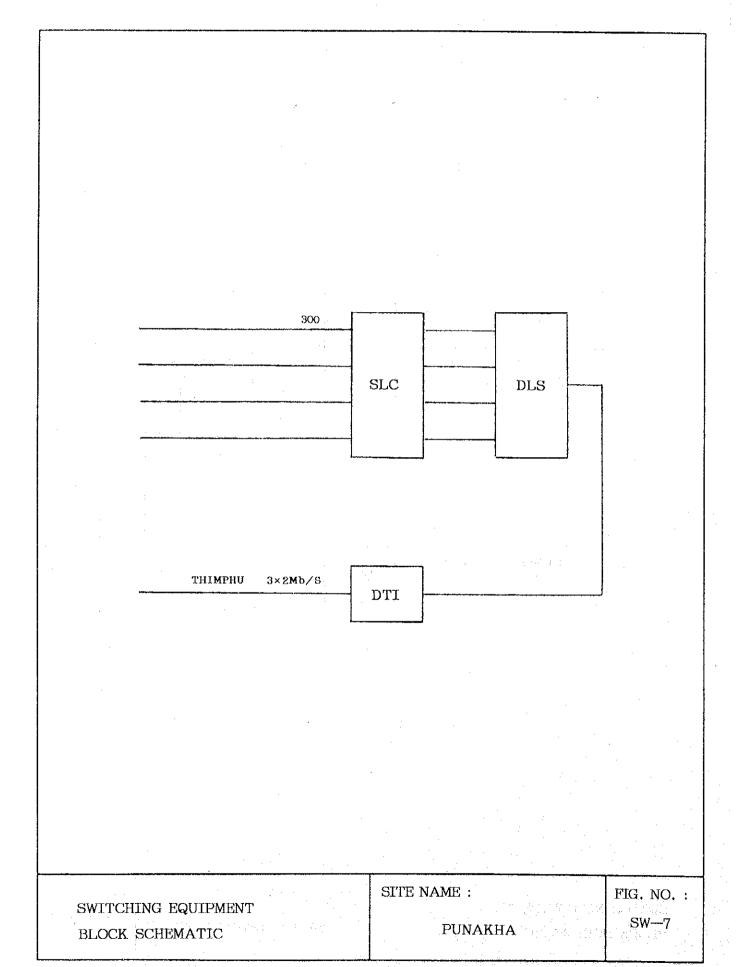


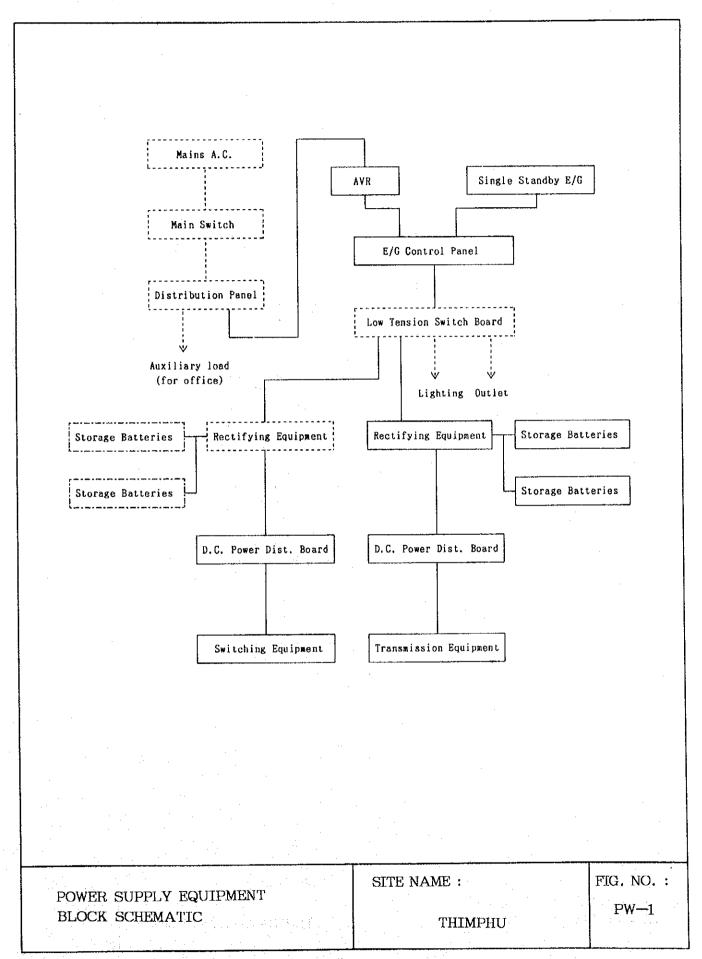
SWITCHING EQUIPMENT
BLOCK SCHEMATIC

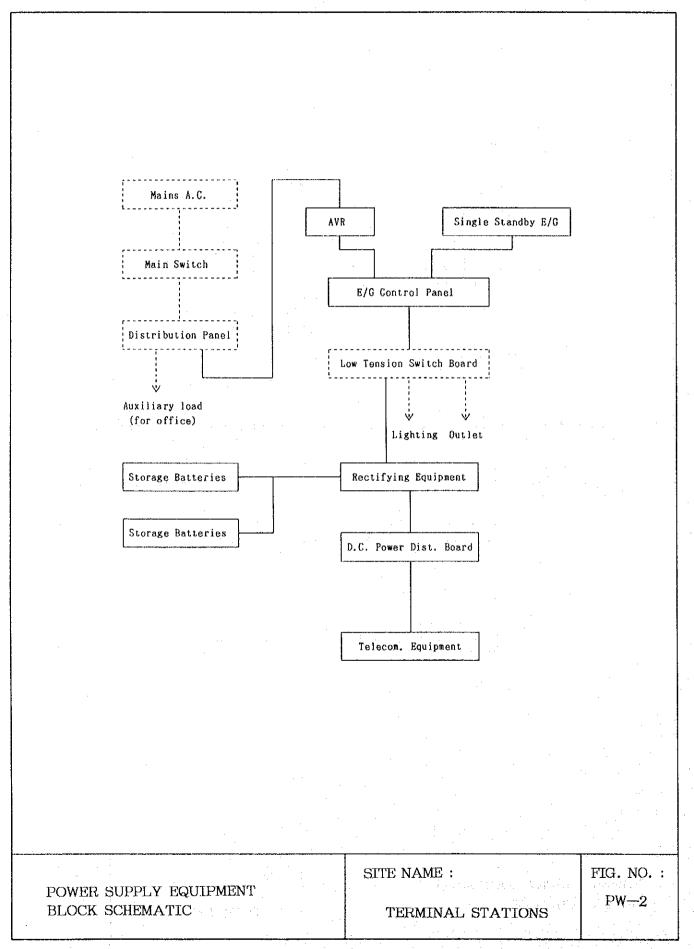
SITE NAME:

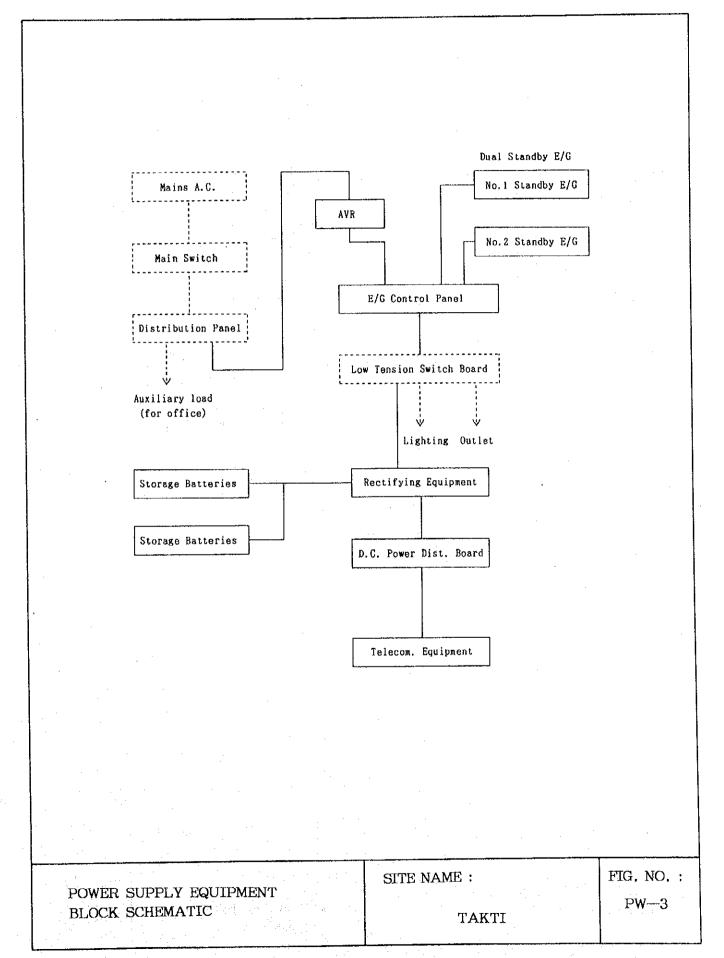
WANGDUEPHODRANG

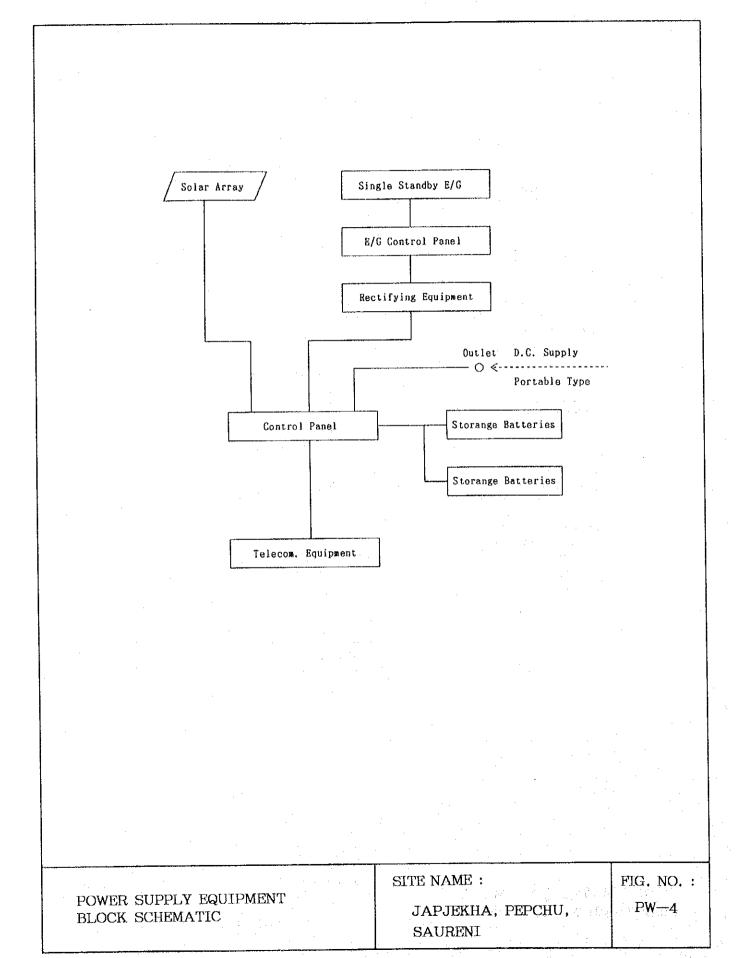
SW-6

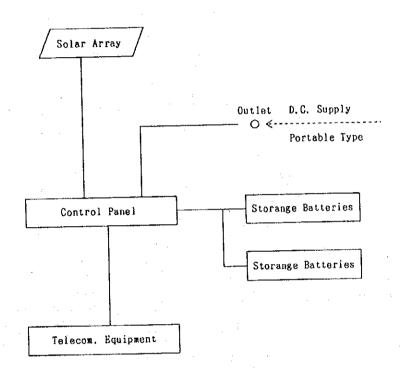












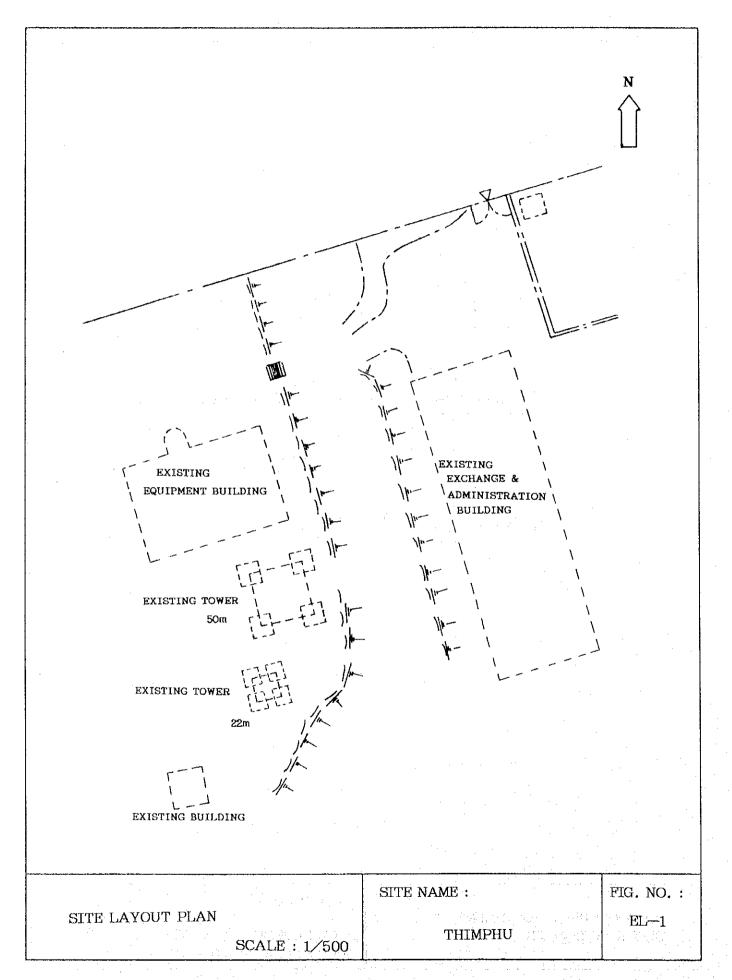
POWER SUPPLY EQUIPMENT
BLOCK SCHEMATIC

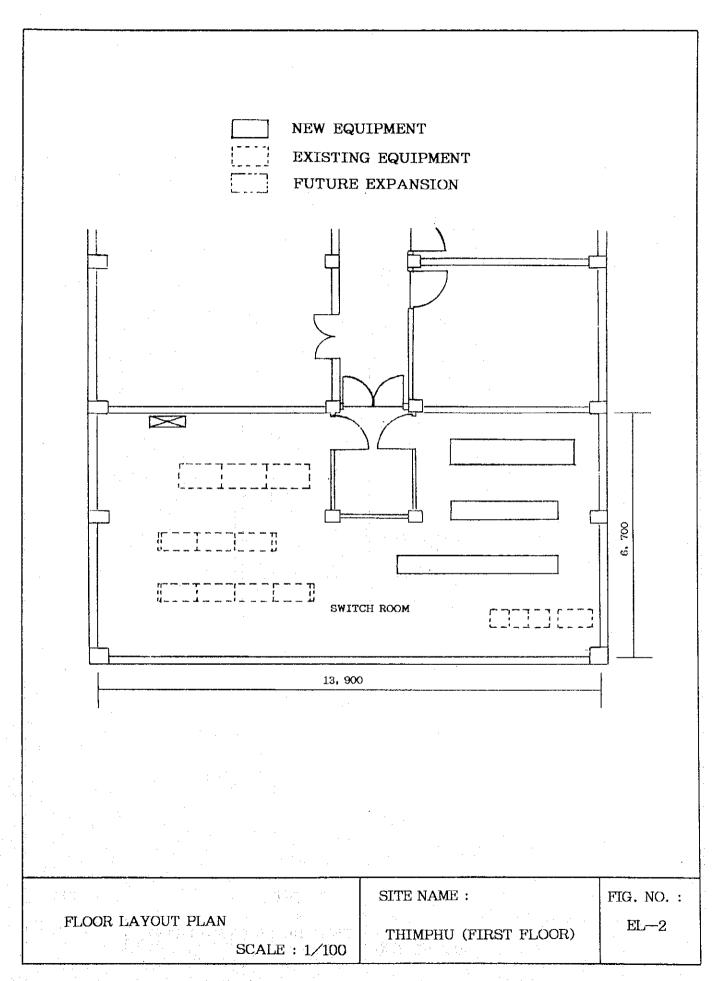
SITE NAME:

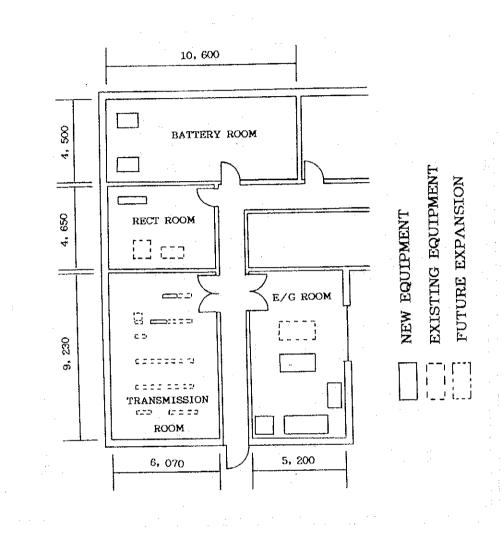
DRCS SUBSCRIBER STATIONS

PW-5

DRCS REPEATER STATIONS







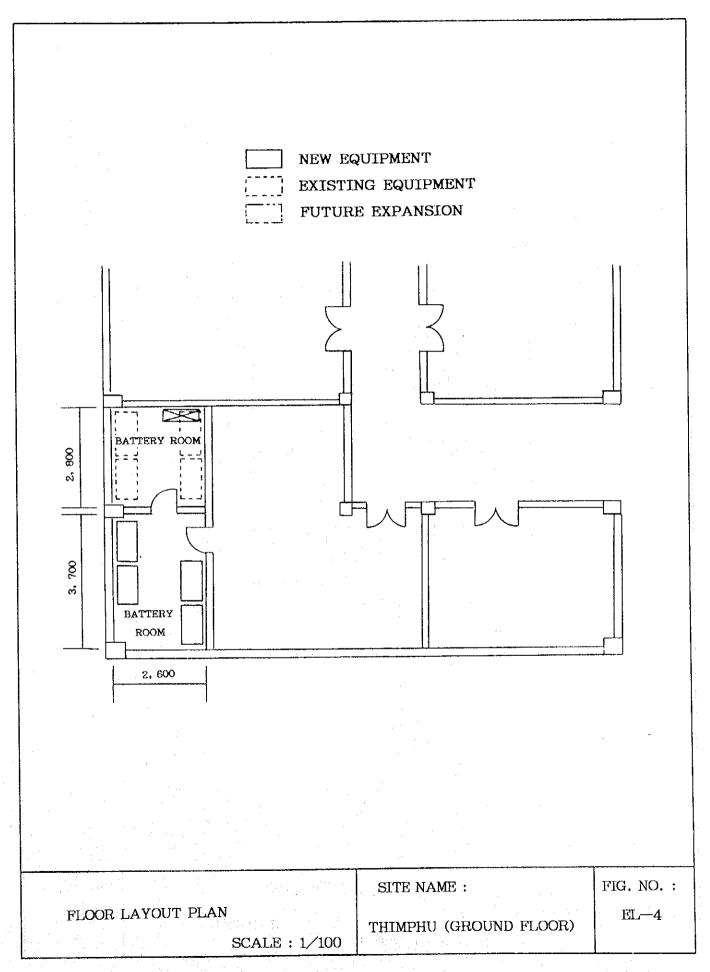
FLOOR LAYOUT PLAN

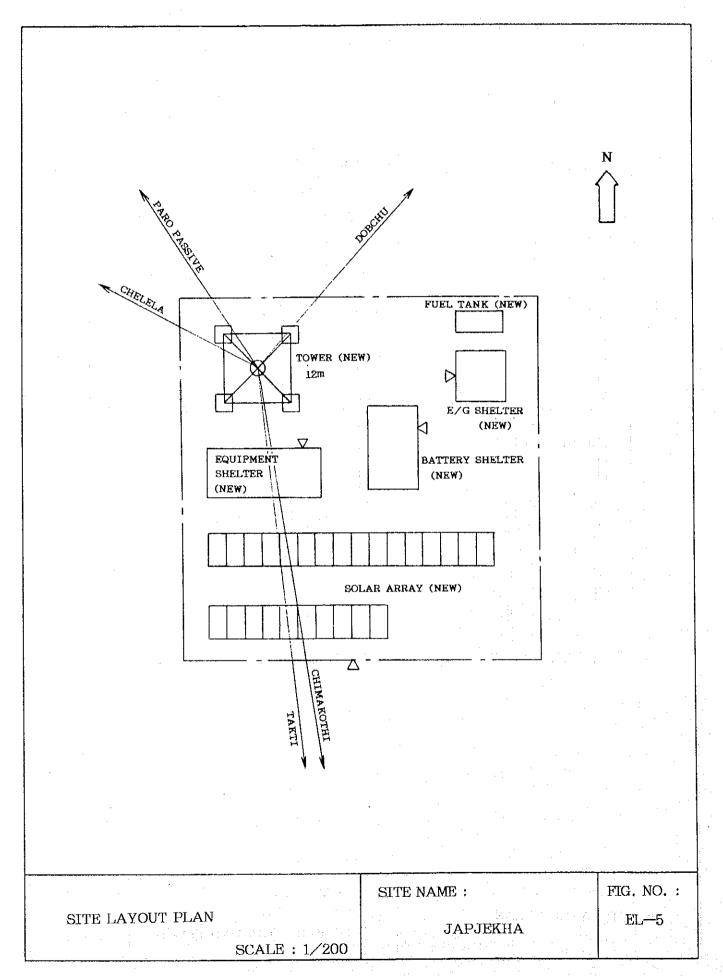
SCALE: 1/200

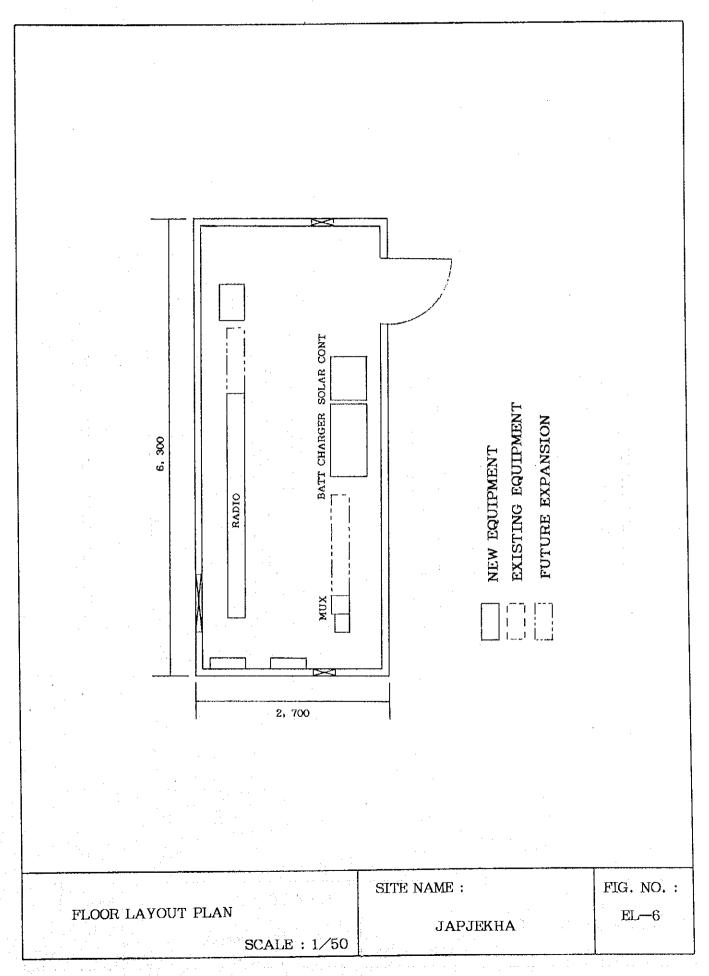
SITE NAME:

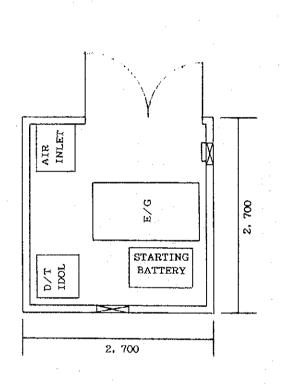
THIMPHU (TRANSMISSION)

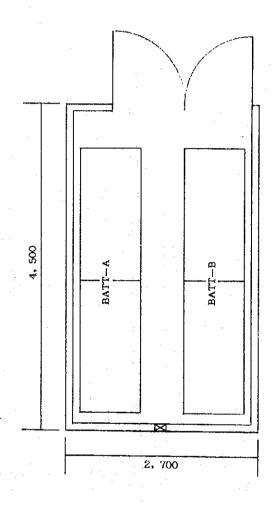
EL-3











FLOOR LAYOUT PLAN

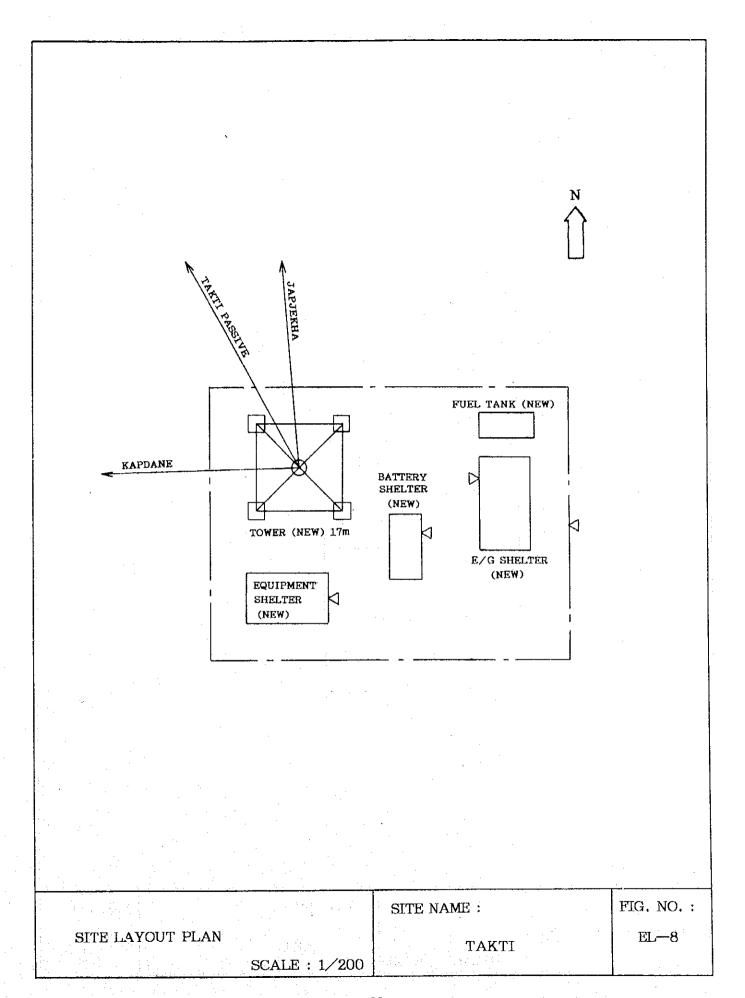
SCALE: 1/50

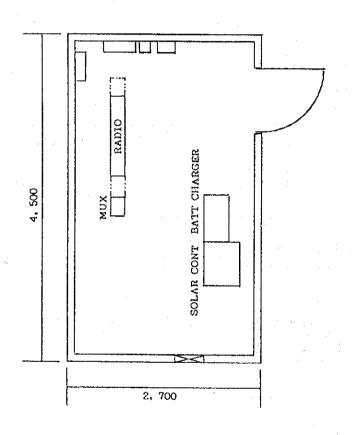
SITE NAME:

JAPJEKHA

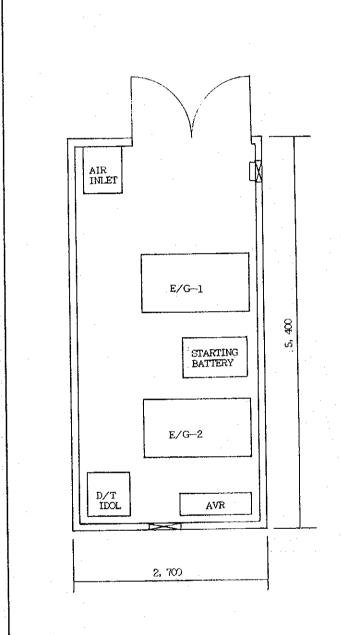
FIG. NO.:

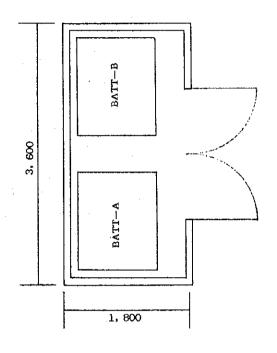
EL-7





SITE NAME : FIG. NO. :
FLOOR LAYOUT PLAN
TAKTI
SCALE : 1/50





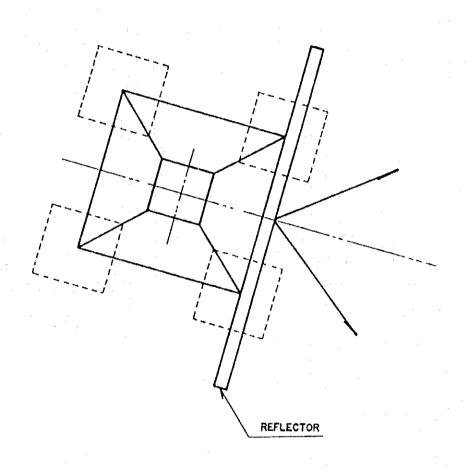
FLOOR LAYOUT PLAN

SCALE:1/200

SITE NAME:

FIG. NO:

EL—10

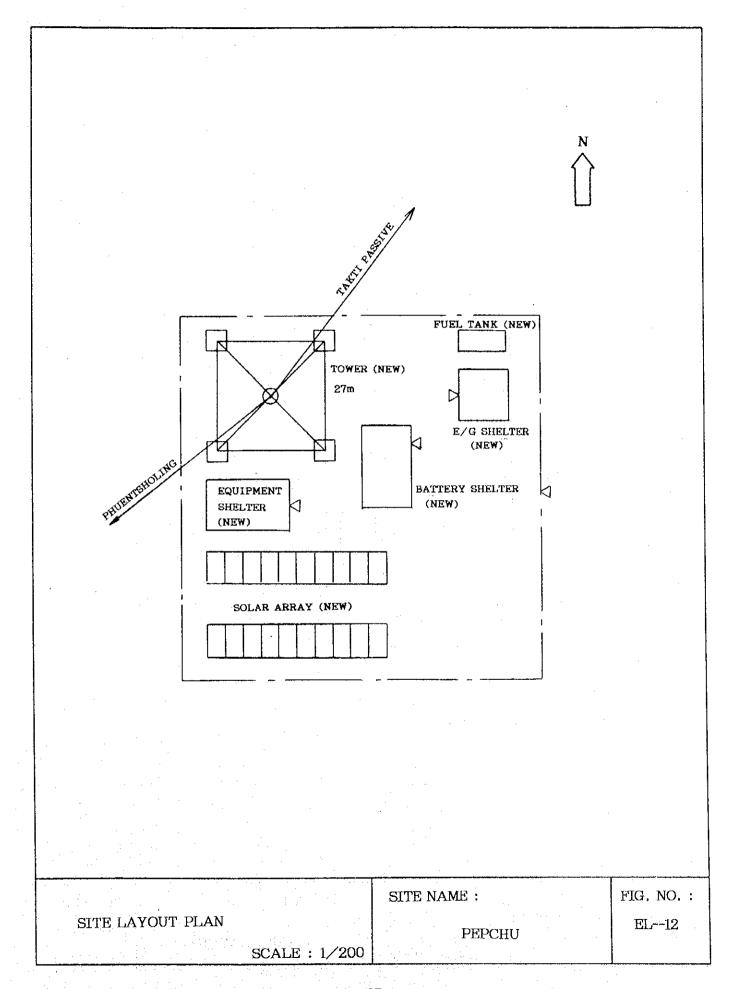


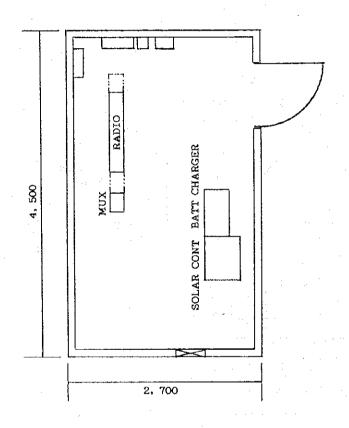
SITE NAME: FIG. NO.:

SITE LAYOUT PLAN

TAKTI PASSIVE, KAPDANE

SCALE:1/100





FLOOR LAYOUT PLAN

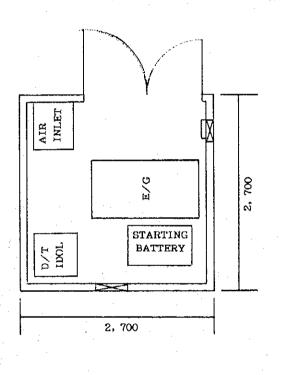
SCALE: 1/50

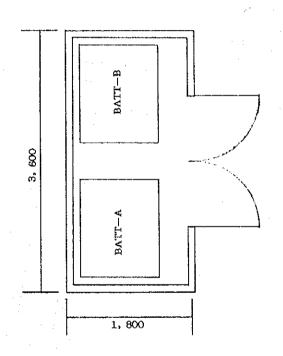
SITE NAME:

FIG. NO.:

PEPCHU, SAURENI

SCALE: 1/50





FLOOR LAYOUT PLAN

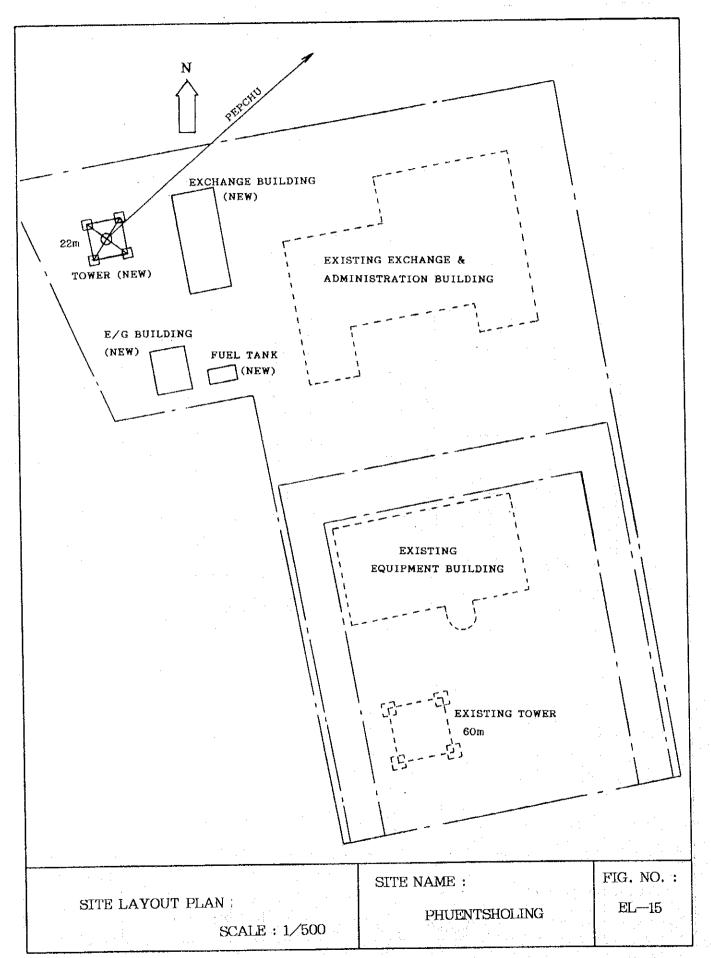
SCALE: 1/50

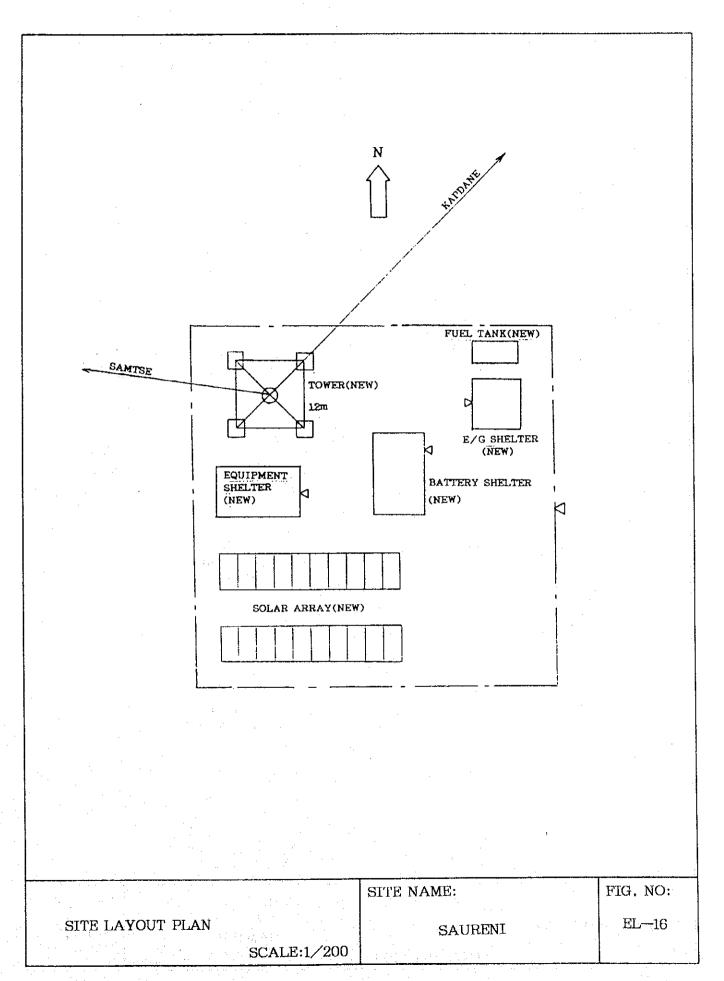
SITE NAME:

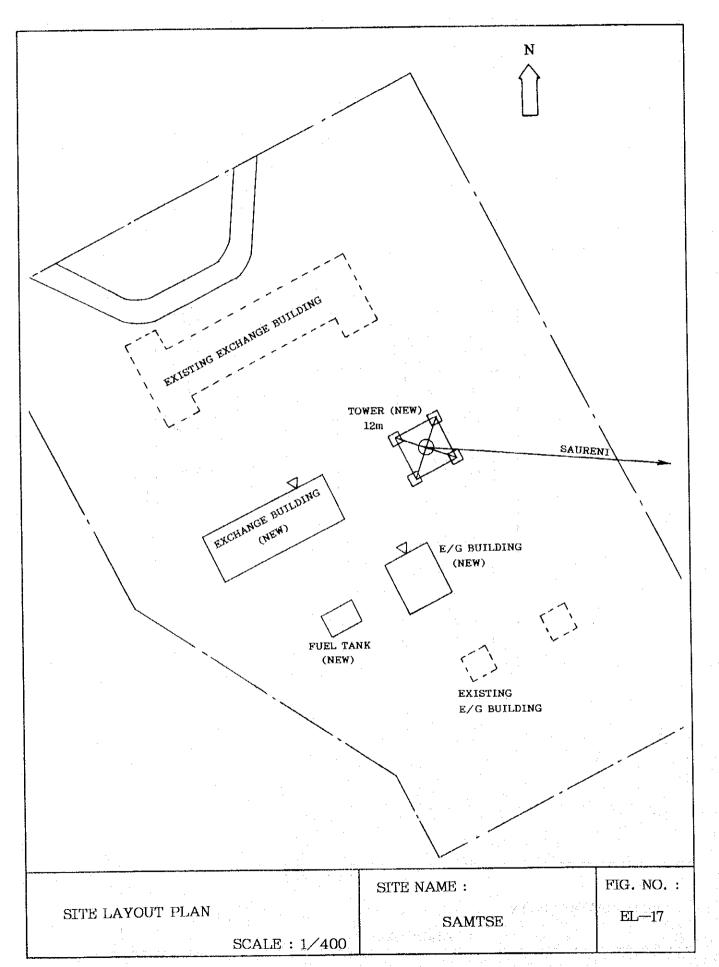
PEPCHU, SAURENI

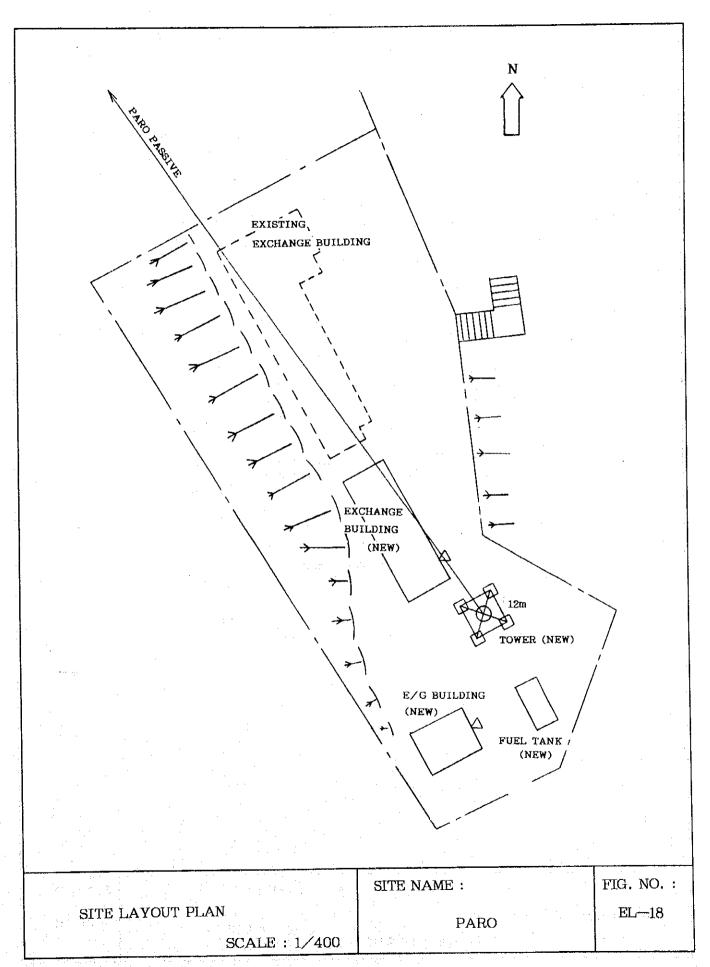
FIG. NO.:

EL-14









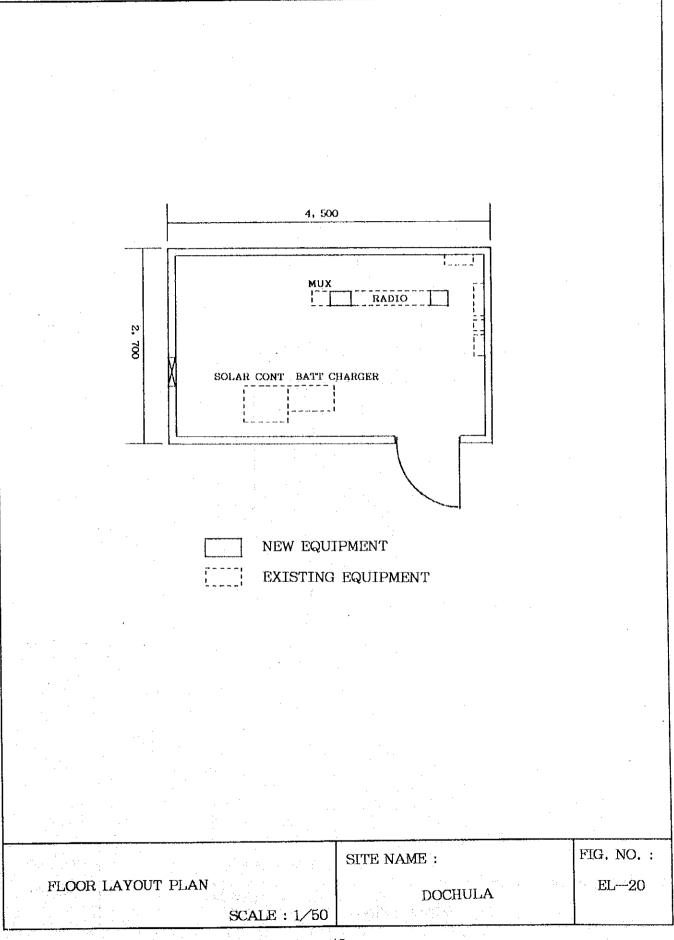
EXISTING
| EQUIPMENT | EXISTING SOLAR ARRAY | SHELTER |
| EXISTING | EXISTING

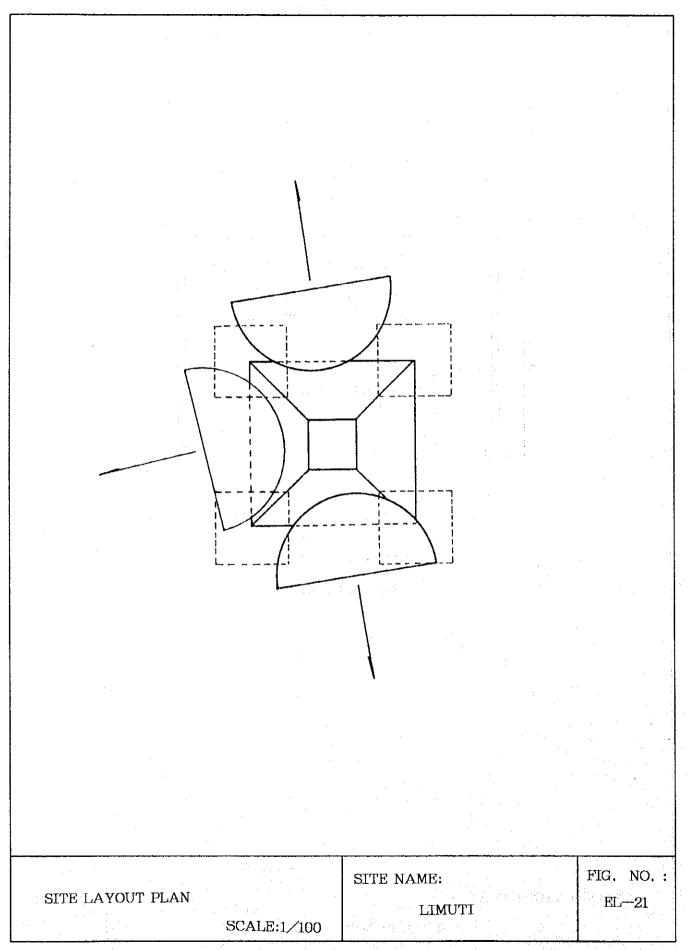
SITE NAME : FIG. NO. :

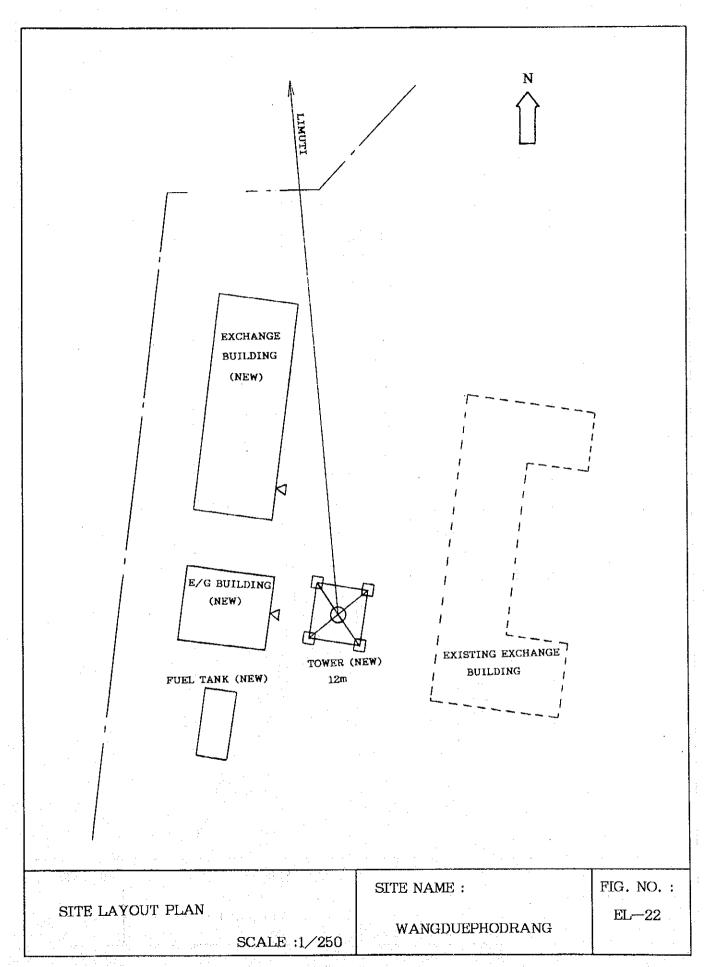
DOCHULA EL-19

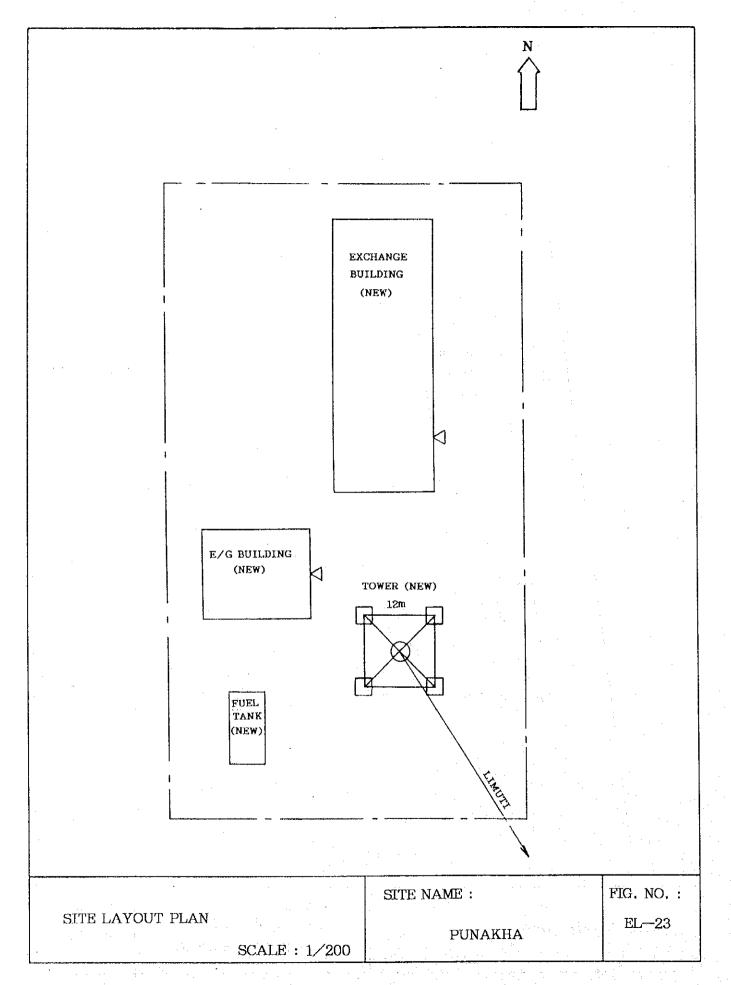
SCALE: 1/200

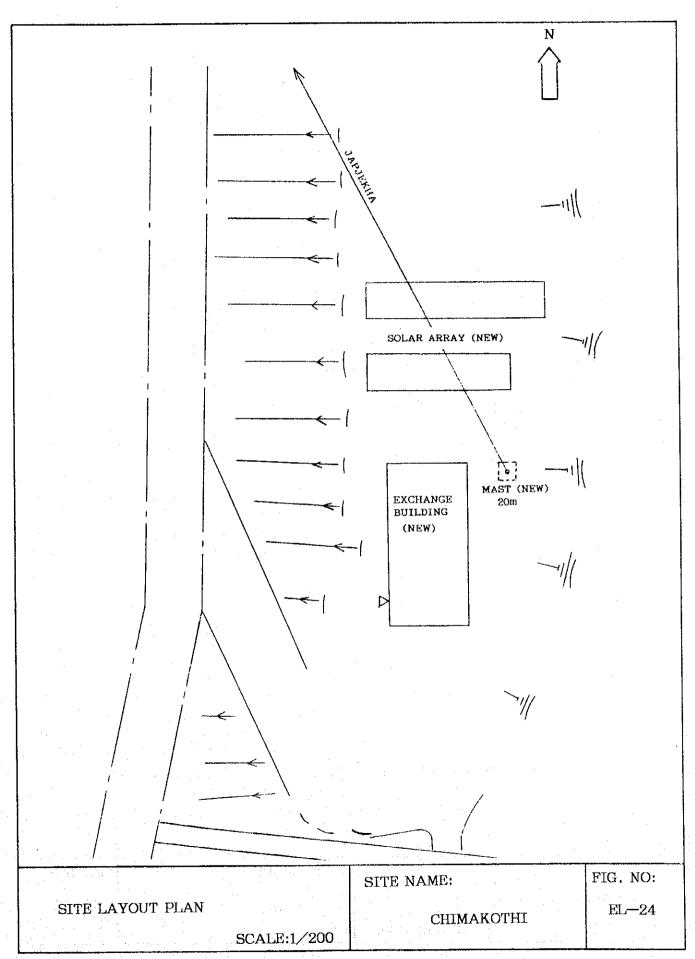
SITE LAYOUT PLAN

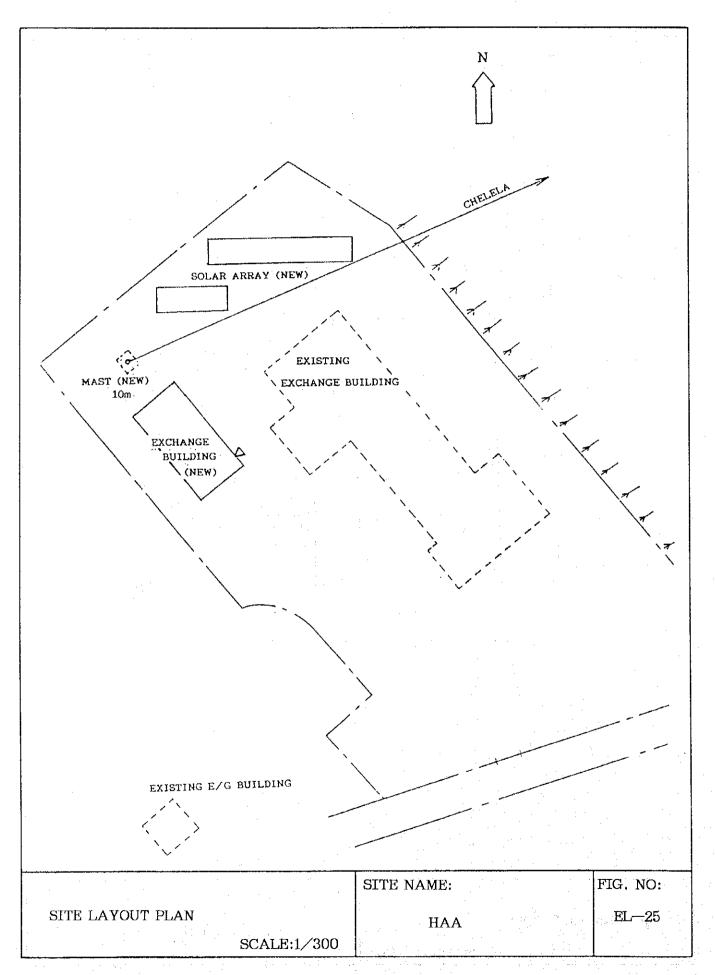


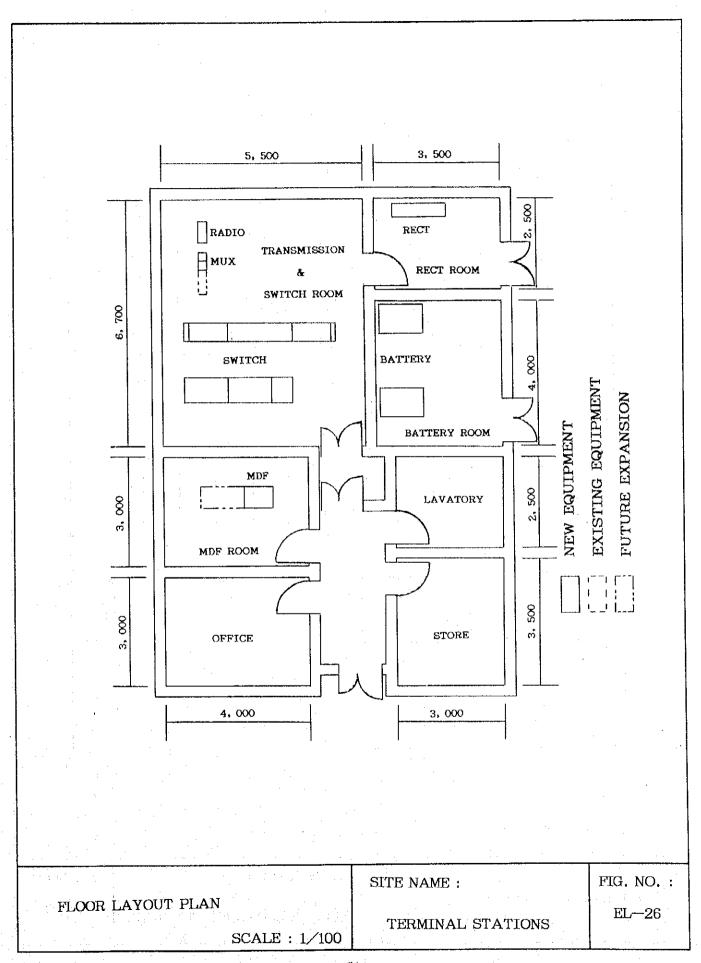


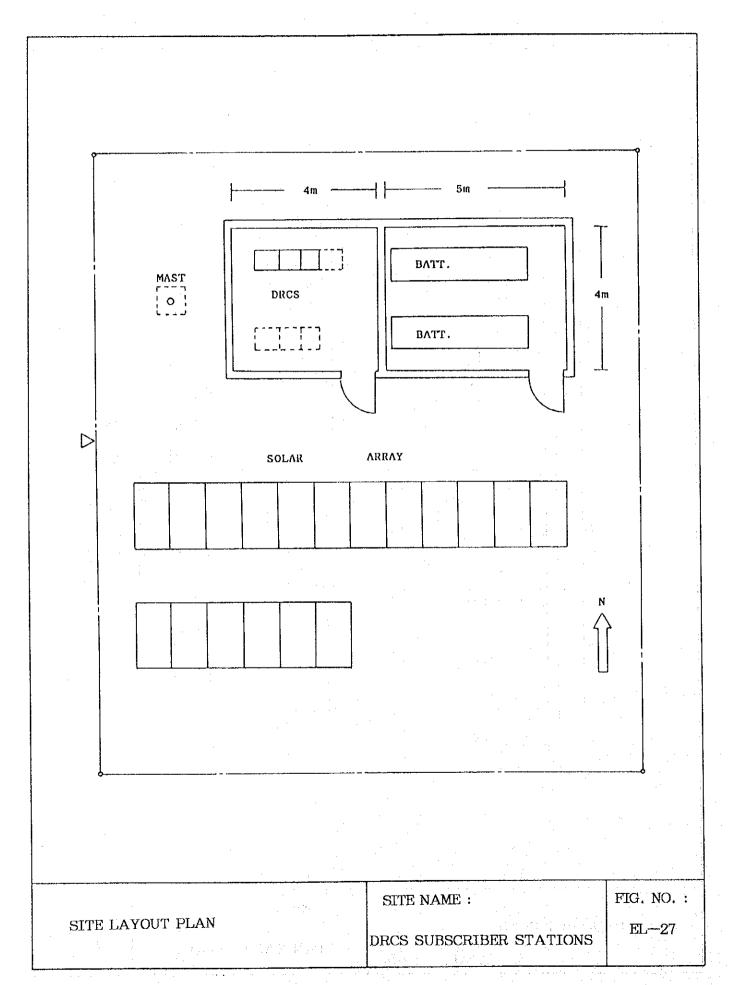


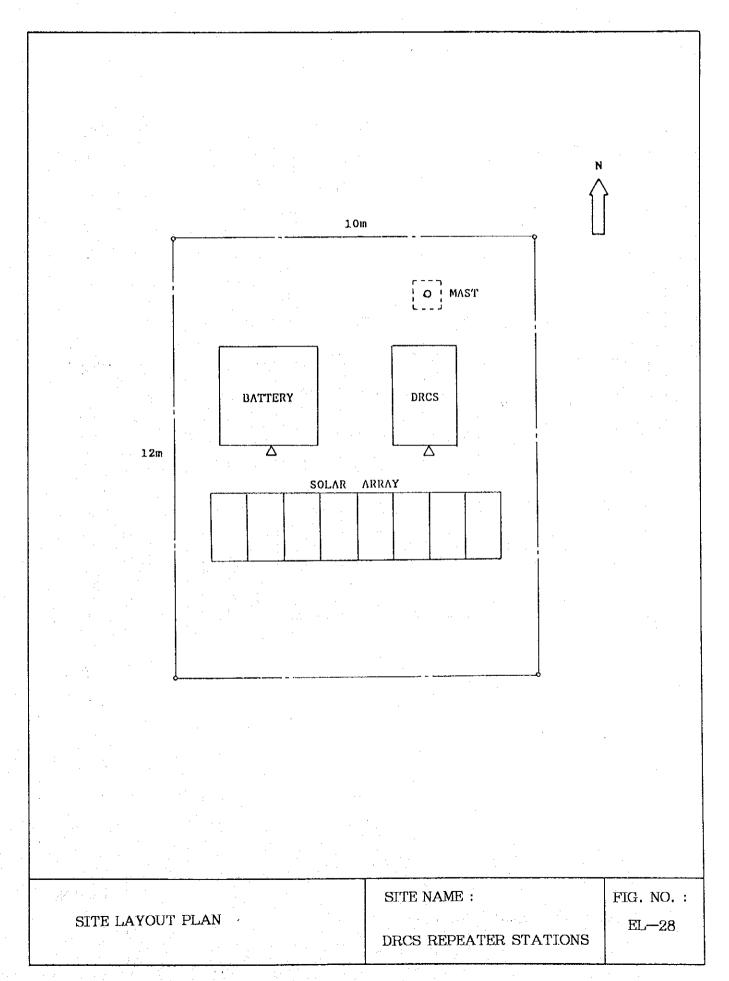












	ΜI	CRO	ROU	JTE
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SITE NAME		LONGITUDE	LATITUDE	GROUND	AZIMUTH	DISTANCE	DIRECTION
	(Ab.)			LEVEL(m)		(Km)	
THIMPHU	THI	89° 38′ 10″	27° 28′ 49″	2360	27° 28′ 49″	5.32	D0B
DOBCHU	DOB	89° 41′ 18″	27° 29′ 30″	3880	256° 19′ 49″	5.32	THI
				·	219° 55′ 19″	27.63	JAP .
					89° 59′ 09″	6.02	DOC
JAPJEKHA	JAP	89° 30′ 32″	27° 18′ 04″	3440	39° 50′ 22″	27.63	DOB
		}	,		174° 48′ 12″	34.54	TAK
					325° 38′ 39″	16.41	PAR-P
TAKTI	TAK	89° 32′ 26″	26° 59′ 31″	3329	354° 49′ 04″	34.54	JAP
	•]		333° 31′ 52″	1.20	TAK-P
					263° 56′ 33 ″	35.26	KAP
TAKTI-P	TAK-P	89° 32′ 07″	27° 00′ 05″	3388	153° 31′ 43″	1.20	TAK
					217° 33′ 14″	14.40	PEP
PEPCHU	PEP	89° 26′ 49″	26° 53′ 56″	1759	37° 30′ 50″	14.40	TAK-P
					232° 47′ 52″	7.31	PHU
PHUENTSHOLING	PHU	89° 23′ 18″	26° 51′ 33″	225	52° 46′ 16″	7.31	PEP
KAPDANE	KAP	89° 11′ 23″	26° 57′ 29″	1550	83° 46′ 55″	35.26	TAK
					223° 07′ 12″	9.37	SAU
SAURENI	SAU	89° 07′ 31″	26° 53′ 48″	1080	43° 05′ 27″	9.37	KAP
]			276° 36′ 01″	2.71	SAT
SAMTSE	SAT	89° 05′ 54″	26° 53′ 58″	405	96° 35′ 17″	2.71	SAU
PARO-P	PAR-P	89° 24′ 55″	27° 25′ 22″	2316	145° 36′ 04″	16.41	JAP
				1	138° 24′ 23″	0.19	PAR
PARO	PAR	89° 24′ 59″	27° 25′ 18″	2280	318° 24′ 25″	0.19	PAR~P

SITE NAME		LONGI	TUDE	LATI	TUDE	GROUND	AZIMUTH	DISTANCE	DIRECTION
	(Ab.)					LEVEL(m)		(Km)	
DOCHULA	DOC.	89° 44	57"	, 27° 29	9' 30"	3129	270° 00′ 51″	6.02	DOB
							71° 19′ 18″	15,29	LIM
LIMUTI	LIM	89° 53	45"	27° 3	2' 08"	1930	251° 23′ 22″	15.29	DOC
							175° 53′ 31″	6.53	WAN
							329° 08′ 13″	6.45	PUN
WANGDUEPHODRANG	WAN	89° 54	02"	2.7° 2	8′ 38″	1240	355° 53′ 39″	6.53	LIM
PUNAKHA	PUN	89°51	45"	27° 3	5′ 07″	1220	149° 07′ 17″	6.45	LIM

		TABLE NO. :
COORDINATES OF OBJECTIVE SITES	WALL TEN	1

DRCS -ROUTE

SITE NAME		LONGIT	UDE	LA	TITÚ	DE	GROUND	AZ	TUMI	Н	DISTANCE	DIRECTION
	(Ab.)						LEVEL(m)	ĺ			(Km)	
TASHIGANG	TAS	91° 33′	12"	27°	19'	58"	1090	170°	29'	53"	3,68	RAN
RANGSHIKHAR	RAN	91° 33′	34"	27°	18'	01"	2080	350°	30'	03"	3.68	TAS
								27°	05'	15"	2.13	SAG
SAMCHHILING GOMPA	SAG	91° 34′	09"	27°	19'	02"	2420	207°	05'	31"	2.13	RAN
								346°	34'	33"	33.62	GAN
GANGADUNG	GAN	91° 29′	24"	27°	36'	40"	2060	166°	32'	21"	33.62	SAG
				<u> </u>				140°	59′	01"	1.41	TAY
TASHIYANGTSE	TAY	91° 29′	56"	27°	367	05"	1770	320°	59'	16"	1.41	GAN

SITE NAME		LONGITUDE	LATITUDE	GROUND	AZIMUTH	DISTANCE	DIRECTION
	(Ab.)		* .	LEVEL(m)		(Km)	
DOCHULA	DOC	89° 44′ 57″	27° 29′ 30″	3129	270° 00′ 51″	6.02	DOB
GASA	GAS	89° 43′ 48″	27° 54′ 12″	2780	357° 38′ 38″ 177° 38′ 06″	45.83 45.83	GAS DOC

SITE NAME		LONGITUDE	LATITUDE	GROUND	AZIMUTH	DISTANCE	DIRECTION
	(Ab.)			LEVEL(m)		(Km)	
JAPJEKHA	JAP	89° 30′ 32″	27° 18′ 04″	3440	173° 00′ 45″	22.98	CHI
:					298° 01′ 40″	19.7	CHE
CHIMAKOTHI	CHI	89° 32′ 14″	27° 05′ 46″	2245	353° 01′ 32″	22.98	JAP
CHELELA	CHE	89° 19′ 59″	27° 23′ 03″	4110	117° 56′ 49″	19.70	JAP
				**.	248° 54′ 31″	4,23	HAA
HAA	HAA	⊥89° 17′ 36″	27° 22′ 14″	2729	68° 53′ 26″	4.23	CHE

TABLE NO. :

COORDINATES OF OBJECTIVE SITES

2

PHUENTSHOLING ROUTE

SITE NAME		ANTENNA	ANTENNA	ANTENNA	DIRECTION	REMARKS
	(Ab.)	TYPE	SIZE	HEIGHT(m)		
THIMPHU	THI	Parabolic	3.6mD, dual	20	DOB	EXISTING
DOBCHU	DOB	Parabolic	3.6mD, dual	5	THI	EXISTING
٠.		Parabolic	4.6mD, single	10	JAP	NEW
JAPJEKHA	JAP	Parabolic	4.6mD, single	10	DOB .	NEW
		Parabolic	1.8mD, single	10	TAK	
TAKTI	TAK	Parabolic	1.8mD, single	10	JAP	NEW
		Parabolic	2.4mD, single	10	TAK-P	
TAKTI-P	TAK-P	Reflector	8*10feet	3	TAK	NEW
	,				PEP	
PEPCHU	PEP	Parabolic	2.4mD, single	25	TAK-P	NEW
		Parabolic	1.2mD, single	10	PHU	
PHUENTSHOLING	PHU	Parabolic	1.2mD,single	20	PEP	NEW .

SAMTSE ROUTE

SITE NAME	1	ANTENNA	ANTENNA	ANTENNA	DIRECTION	REMARKS
	(Ab.)	TYPE	SIZE	HEIGHT(m)	,	
TAKTI	TAK	Parabolic	4.6mD, single	15	KAP	NEW
KAPDANE	KAP	Reflector	20*32feet	3	TAK	NEW
					SAU	
SAURENI	SAU	Parabolic	4.6mD, single	10	KAP	NEW
·		Parabolic	1.2mD, single	10	SAT	
SAMTSE	SAT	Parabolic	1.2mD, single	10	SAU	NEW

PARO ROUTE

SITE NAME		ANTENNA	ANTENNA	ANTENNA	DIRECTION	REMARKS
	(Ab.)	TYPE	SIZE	HEIGHT(m)		4.
JAPJEKHA	JAP	Parabolic	1.2mD,single	10	PAR-P	NEW .
PARO-P	PAR-P	Reflector	8*10feet	3	JAP	NEW
					PAR	
PARO	PAR	Parabolic	1.2mD,single	10	PAR-P	NEW

WANGDUEPHODRANG ROUTE

SITE NAME		ANTENNA	ANTENNA	ANTENNA	DIRECTION	REMARKS
	(Ab.)	TYPE	SIZE	HEIGHT (m)		
DOBCHU	DOB	Parabolic	3.6mD,dual	10	DOC	EXISTING
DOCHULA	DOC	Parabolic	3.6mD, dual	20	DOB	EXISTING
		Parabolic	3.6mD, dual	15	LIM	NEW
LIMUTI	LIM	Parabolic	4.6mD, dual	10	DOC .	NEW
		Parabolic	4.6mD, single	5	WAN	NEW
		Parabolic	3.6mD, single	5	PUN	NEW
WANGDUEPHODRANG	WAN	Parabolic	3.6mD, single	10	LIM	NEW
PUNAKHA	PUN	Parabolic	3.6mD, single	10	LIM	NEW

ANTENNA INFORMATION

TABLE NO.:

3

TASHIGANG-TASHIYANGTSE ROUTE

SITE NAME		ANTENNA	ANTENNA	DIRECTION	REMARKS
	(Ab.)	TYPE	HEIGHT(m)		
TASHIGANG	TAS	HORN EXIST.	23		EXISTING TOWER
RANGSHIKHAR	RAN	HORN EXIST.	32	TAS	EXISTING TOWER
		HORN	. 32	SAG	NEW
SAMCHHILING GOMPA	SAG	HORN	10	RAN	NEW
		HORN	10	GAN	:
GANGADUNG	GAN	1.8mD GP	10	SAG	NEW
·		HORN	10	TAY	
TASHIYANGTSE	TAY	HORN	10	GAN	NEW

THIMPHU-GASA ROUTE

SITE NAME	(Ab.)	ANTENNA TYPE	ANTENNA HEIGHT(m)	DIRECTION	REMARKS
THIMPHU	THI	-	-	DOC	BSC SITE
DOCHULA	DOC			THI	TDM CONT SITE
		1.8mD GP	20	GAS	NEW
GASA	GAS	1.8mD GP	9	DOC	NEW

PARO-CHIMAKOTHI ROUTE

SITE NAME		ANTENNA	ANTENNA	DIRECTION	REMARKS
	(Ab.)	TYPE	HEIGHT(m)		·
PARO .	PAR	_::::		JAP	BSC SITE
JAPJEKHA	JAP	_	_	PAR	TDM CONT SITE
		1.2mD GP	12	CHI	NEW
CHIMAKOTHI	CHI	1.2mD GP	20	JAP	NEW

PARO-HAA ROUTE

SITE NAME		ANTENNA	ANTENNA	DIRECTION	REMARKS
	(Ab.)	TYPE	HEIGHT(m)		·
PARO	PAR	-	-	JAP	BSC SITE
JAPJEKHA	JAP	-	-	PAR	TDM CONT SITE
	1	HORN	12	CHE	NEW
CHELELA	CHE	HORN	10	JAP	NEW
April 1		HORN	. 10	HAA	
HAA	HAA	HORN	10	CHE	NEW

TABLE NO.:

REFLECTOR	TAKTI PEPCHU 8000 34 15.60 25 245.78 4.420 6.068 4.420 5.88	8*10FT 2.4*2 92.80 92.80 179.8 76.20 -46.20 -84.5 38.30 0.000727	0.000337
	TAKTI(P) PEPCHU 8000 34 14.40 55 133.68 2000 25 25 133.68 2000 25 133.68	8*10FT 2.4 43.5	
	TAKTI TAKTI(P) 8000 34 1.20 1.20 10 5 112.10 0.068 1.700 5.8 116.70	2.4 8*10FT 43.5	
	JAPJEKHA TAKTI 8000 34.54 10 10 141.28 25 0.068 3.400 5.8 150.48	1.8 1.8 41 41 82 82 82 -38.48 -38.48 -46.02 0.011746	0.000746
B to B	THIMPHU JAPJEKHA 8000 34 32.95 20 10 264.33 60 35 0.068 6.460 5.8 276.59	3.64.6 3.64.6 95.5 95.5 191 85.59 -52.59 -84.5 31.91 0.009960	0.000712
	JAPJEKHA BOBCHU 34 27.63 10 139.30 139.30 25 0.068 2.380 2.380 5.8	4.6 4.8 4.8.5 9.7 9.7	
	THIMPHU DOBCHU 8000 34 5.32 20 20 125.03 10 0.068 4.080 132.01	3.6 3.6 4.7 4.7 4.7	
B to B	**************************************	3.6*2 3.6*2 94 94 188 76.54 -46.54 -84.5 37.96 0.000038	0.000245
•	DOBCHU DOCHULA 8000 34 6.02 10 20 126.10 10 35 0.068 3.060 6.3 132.31	3.6 4.7 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	
	THIMPHU 8000 34 34 5.32 5.00 50 68 4.080 6.3 132.23	8. 8 9. 74 49 49	
	STATION A STATION B FREQUENCY TRANS CAPACITY HOP DISTANCE ANT H A ANT H B SPAN LOSS FEEDER LENGTH A FEEDER LENGTH B FEEDER LOSS/m FEEDER LOSS/m FEEDER LOSS A+B BR CKT LOSS TOTAL LOSS	ANT DIA A ANT DIA B ANT GAIN A ANT GAIN B TOTAL GAIN NET LOSS TX POWER RX INPUT THRESHOLD LEVEL FADE MARGIN RAYLEIGH FADE PROBABILITY %	OBJECTIVE %
TRANSMIS	SSION ENGINEERING		TABLE NO

	TOTAL	47.34			0.000602	0.001023
	SAURENI SAMTSE 8300	2.71 10 119.49	25 25 0.066 3.300 5.8	37.8 37.8 37.8 75.6	52.99 10 -42.99 -84.5 41.51 0.000002	0.000059
REFLECTOR	TAKTI SAURENI 8300 8	44.63 15 10 272.05	3.68 3.68 5.8	20*32FT 4.6*2 97 103.78 200.78	80.70 33 -47.7 -84.5 36.8 0.028805	0.000964
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		9.37 5 10 130.27	25 0.066 1.650 5.8	20*32FT 4.6 48.5		
† 1 1	C-1	35.26 15 5 141.78	30 0,066 1,980 5,8	14.6 20*32FT 48.5		
• •						i e e e e e e e e e e e e e e e e e e e
	TOTAL	101.7			0.000686	0.002198
	PEPCHU P. TSHOLING 8000	7.31 10 20 127.79	25 35 0.068 4.080 5.8	137.57 1.2 1.2 37.5 37.5 75	62.67 30 -32.67 -84.5 51.83 0.000051 0.000051	0.000158
	STATION A STATION B FREQUENCY TRANS CAPACITY	HOP DISTANCE ANT H A ANT H B SPAN LOSS	FEEDER LENGTH B FEEDER LOSS/m FEEDER LOSS A+B BR CKT LOSS	TOTAL LOSS ANT DIA A ANT DIA B ANT GAIN A ANT GAIN B TOTAL GAIN	NET LOSS IX POWER RX INPUT THRESHOLD LEVEL FADE MARGIN RAYLEIGH FADE PROBABILITY %	OBJECTIVE %
			•			TABLE NO.
TRANSM1	SSION E	NGINEER	ING		en Dorger (1944) Washington Agentin Sa Washington	6

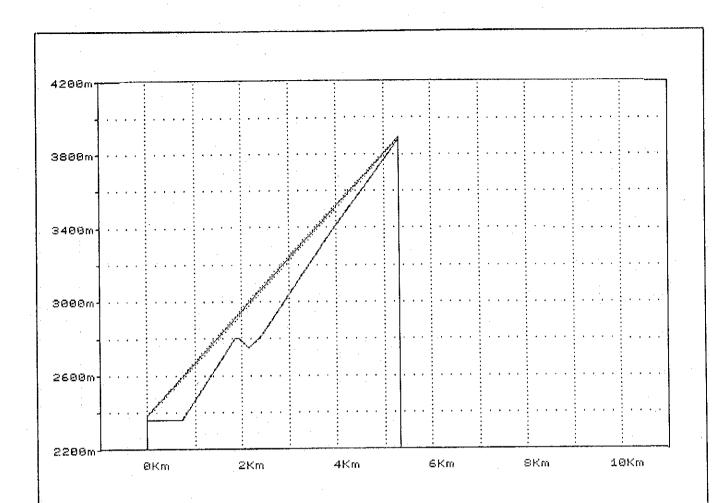
**************************************	A PUNAKHA 00 8300 8 8 8 45 21.74 5 15 10 10 10 10 10	25 35 66 0.066 10 4.950 .8 5.8 23 272.29	6 3.6+4.6 6 4.6+3.6 5 95.9 4 95.9 9 191.8	80.49 30 -50.49 -84.5 34.01 0.002324 0.00092	0.000470
.† 1	LIMUTI PUNAKHA 8300 8 6.45 5 10 127.02	25 0.066 2.310 5.8 132.23	4.6 4.8 4.7 8.5 9.9 9.9		
B to B	DOCHULA WANGDUEP. 8300 8 21.82 15 10 261.65	35 0.066 4.950 5.8 272.40	3.6+4.6 4.6+3.6 95.9 95.9 191.8	80.6 30 -50.6 -84.5 33.9 0.002354 0.00096	0.000471
	, 0 & B ro 6 d o	25 0.066 2.310 5.8 132.34	4.6 4.8 4.7 95.9		
	LA 300 8 8 15 15 10 10 30 30 30 30 30 30 30 30 30 30 30 30 30	10 0.066 2.540 5.8 140.06	3.6 4.74 4.7.4 95.5		
REFLECTOR	JAPJEKHA PARO 8300 830 16.6 20 20 20 20 20 20	25 0.066 3.300 5.8 240.64	8*10FT 1.2*2 94.86 75.6 170.46	70.18 30 -40.18 -84.5 44.32 0.000904	0.000359
	PARO(P) PARO 8300 34 0.19 5 10 96.41	25 0.066 1.650 5.8	8*10FT 1.2 37.8		
	JAPJEKHA PARO(P) 8300 34 16.41 10.41 135.13	0.0 1.6 139.	1.2 8*10FT 37.8		
	STATION A STATION B FREQUENCY TRANS CAPACITY HOP DISTANCE ANT H A ANT H B SPAN LOSS FREDER LENGTH A	FEEDER LENGTH B FEEDER LOSS/m FEEDER LOSS A+B BR CKI LOSS TOTAL LOSS	ANT DIA A ANT DIA B ANT GAIN A ANT GAIN B TOTAL GAIN	NET LOSS IX POWER RX INPUT THRESHOLD LEVEL FADE MARGIN RAYLEIGH FADE PROBABILITY %	OBJECTIVE %
TRANSMI	SSION ENGINEERING	G			TABLE NO

TOTAL	45.83			0.000637	0.004583
DOCHULA GASA	2400 45.83 22	133.28 37 25 0.13 8.060 6.5 147.84	1.8GP 1.8GP 30.1 30.1 60.2	87.64 31 -56.64 -92 35.36 0.021896	0.004583
TOTAL	40.84			0.001283	0.004084
GANGADUNG TASHTYANGTSE	2400 4 1.41 10	103.04 15 15 25 0.13 5.200 7.5	HORN HORN 20 20 40	75.74 31 -44.74 -92 47.26 0.000000	0.000141
S. CHHL ING	2400 2400 4 33.62 10	130.59 155 15 0.13 3.900 7.5	HORN 1.2GP 20 26.6 46.6	95.39 31 -64.39 -92 27.61 0.007403	0.003362
R. SHIKHAR		106.62 47 15 0.13 8.060 11.6	HORN HORN 20 20 40	86.28 31 -55.28 -92 36.72 0.000000	0.000213
TASHIGANG	the second secon	32 111.37 68 47 0.13 14.950 7.5	HORN HORN 20 20 40	93.82 31 -62.82 -92 29.18 0.000003	0.000368
STATION A	ACITY NCE	ANT H B SPAN LOSS FEEDER LENGTH A FEEDER LOSS/m FEEDER LOSS A+B BR CKT LOSS TOTAL LOSS	ANT DIA A ANT DIA B ANT GAIN A TOTAL GAIN	NET LOSS TX POWER RX INPUT THRESHOLD LEVEL FADE MARGIN RAYLEIGH FADE PROBABILITY %	OBJECTIVE %
:					
					TABLE NO. :
TRANSMISSIO	N ENGINE	ERING			8

TOIAL				23.83																	-						0.001141	0.002393	
CHELELA	HAA	2400	* (4.23	9.	10	112.58	15	25	0.13	5.200	12.7	130.48		HORN	HORN	20	20	40	ç	80.40	31	-59.48	-92	32.52	0.000005	00000000	0.000423	
JAPJEKHA	CHELELA	2400	4	19.7	12	10	125.94	27	15	0.13	5,460	11.6	143.00		HORN	HORN	20	20	40	0	103.00	က	-72.00	-92	20.00	0.001140	0.001141	0.001970	
	٠.																					٠	÷						
JAPJEKHA	CHIMAKOTHI	2400	ঘ	22.98	12	20	127.28	27	85 85	0.13	8.060	16.8	152.14	, ,	1.2GP	1, 2GP	26.6	26.6	53.2		98.94	31	-67.94	-92	24.06	0.001955	0.000768	0.002298	:
STATION A J	Д	FREQUENCY	TRANS CAPACITY	HOP DISTANCE	ANT H A	ANT H B	SPAN LOSS	FEEDER LENGIH A				1.055		2001	ANT DIA A	ANT DIA B	GAIN		TOTAL GAIN		NET LOSS	TX POWER	RX INPIT	THRESHOLD LEVEL	FADE MARGIN	RAVI. FIGH FADE	PROBABILITY %	ORTECTIVE %	S 11-101000
																			-										٠

TRANSMISSION ENGINEERING

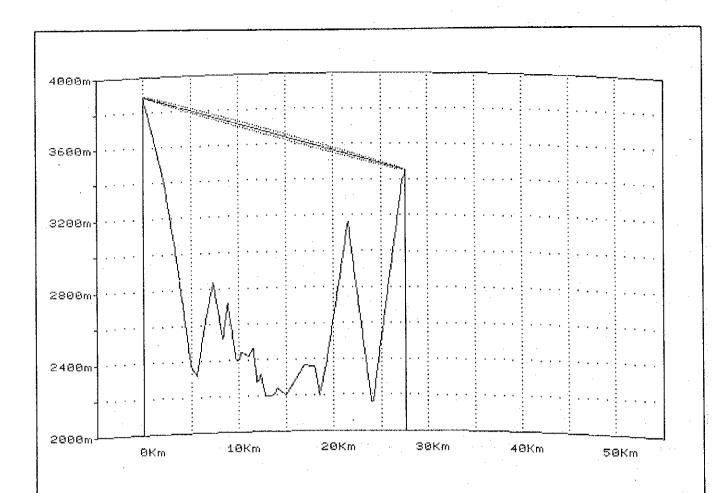
TABLE NO. :



Station No.	1-1	1-2	
Station Name	тнімрни	DOBCHU	
Elavation	2360.00 m	3880.00 m	
ANT. Height	22.0 m	12.0 m	
Angle of Elavation	+16 14 41"	Angle of -16' 16'	50"
Distance	5.32 km	Frequency 2400.00	MHz

Ridge Point	5.12 km	Ridge Height	3809.90 m
Radio Path Height	3835.20 m	1st Fresnel Radius	4.90 m
Path Clearance	25.30 m		
Clearance Margin	20.40 m	Clearance Factor	5.16

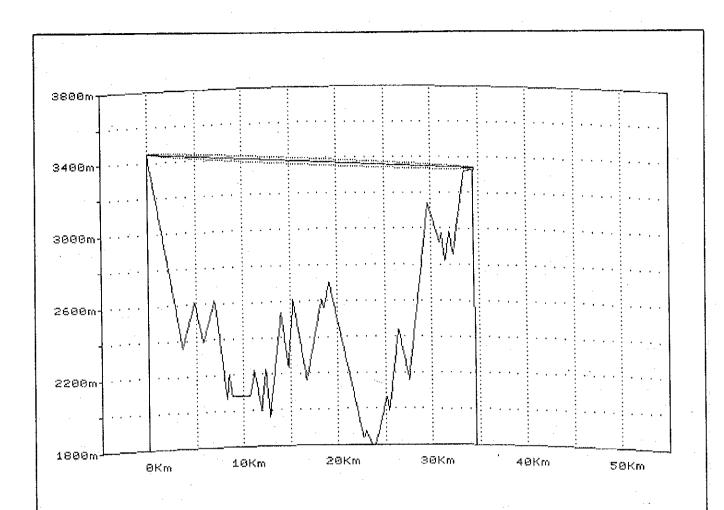
	PATH NAME:	FIG. NO.:
PATH PROFILE	THIMPHU \sim DOBCHU	PF-1



Station No.	1-1	1-2	
Station Name	ровсни	ЈАРЈЕКНА	
Elavation	3880.00 m	3440.00 m	
ANT. Height	10.0 m	10.0 m	
Angle of Depression	- 1' 0' 20"	Angle of Elavation	+ 0' 49' 9"
Distance	27.63 km	Frequency	8000.00 MHz

Ridge Point	27.53 km	Ridge Height	3427.90 m
Radio Path Height	3451.40 m	1st Fresnel Radius	1.90 m
Path Clearance	23.50 m		
Clearance Margin	21.60 m	Clearance Factor	12.37

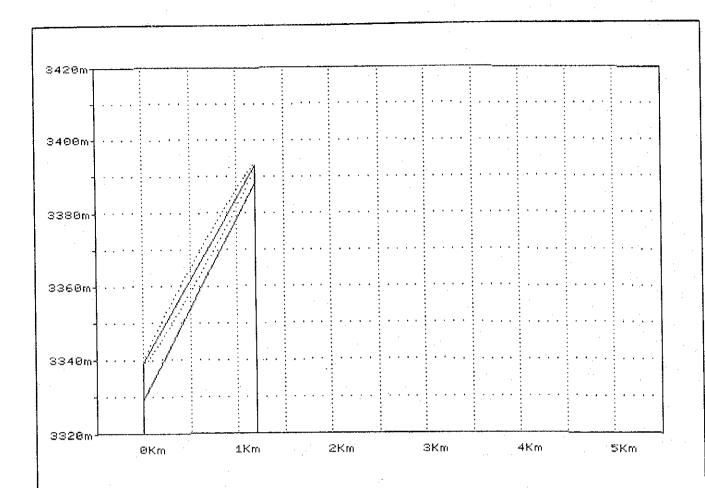
	•		
		PATH NAME:	FIG. NO.:
PATH PROFILE		ровсни ~ јарјекна	PF-2



Station No.	2-1	2-2
Station Name	JAPJEKHA	TAKTI
Elavation	3440.00 m	3329.00 m
ANT. Height	10.0 m	10.0 m
Angle of Depression	- 0 18 2"	Angle of + 0 4 3
Distance	34.54 km	Frequency 8000.00 MH

Ridge Point	33.60 km	Ridge Height	3320.90 m
Radio Path Height	3340.20 m	1st Fresnel Radius	5.90 m
Path Clearance	19.30 m		
Clearance Margin	13.40 m	Clearance Factor	3.27

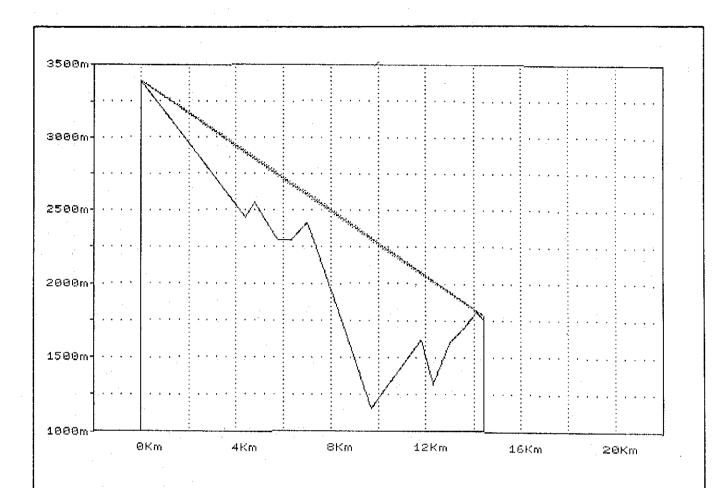
		
	PATH NAME:	FIG. NO.:
PATH PROFILE	JAPJEKHA ~ TAKTI	PF—3



Station No.	3-1	3-2
Station Name	TAKTI	TAKTI PASSIVE
Elavation	3329.00 m	3388.00 m
ANT. Height	10.0 m	5.0 m
Angle of Elavation	+ 2° 34′ 27"	Angle of - 2. 34, 56"
Distance	1.20 km	Frequency 8000.00 MHz

Ridge Point	0.80 km	Ridge Height	3368.70 m
Radio Path Height	3375.00 m	1st Fresnel Radius	3.20 m
Path Clearance	6.30 m		
Clearance Margin	3.10 m	Clearance Factor	1.97

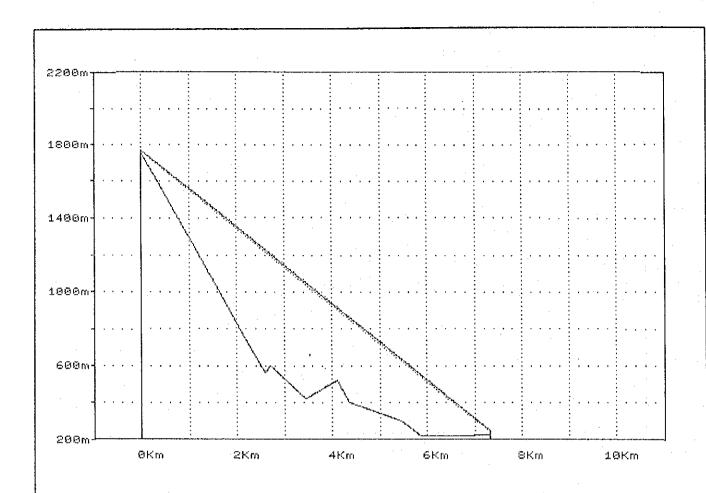
	PATH NAME:	FIG. NO.:
PATH PROFILE	TAKTI ~ TAKTI PASSIVE	PF-4



Station No.	4-1	4-2	
Station Name	TAKTI PASSIVE	РЕРСНИ	
Elavation	3388.00 m	1759.00 m	
ANT. Height	5.0 m	25.0 m	
Angle of Depression	- 6' 27' 2"	Angle of Elavation	+ 6' 21' 12"
Distance	14.40 km	Frequency	8000.00 MHz

Ridge Point	14.10 km	Ridge Height	1810.00 m
Radio Path Height	1817.30 m	1st Fresnel Radius	3.30 m
Path Clearance	7.30 m		
Clearance Margin	4.00 m	Clearance Factor	2.21

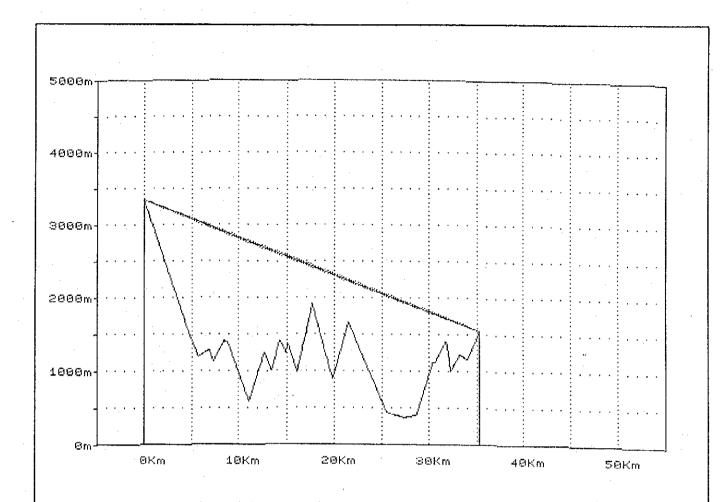
	PATH NAME:	FIG. NO. :
PATH PROFILE	TAKTI PASSIVE ~ PEPCHU	PF5



Station No.	5-1	5-2
Station Name	РЕРСНИ	PHUENTSHOLING
Elavation	1759.00 m	225.00 m
ANT. Height	10.0 m	20.0 m
Angle of Depression	-11' 58' 11"	Angle of +11 55' 14"
Distance	7.31 km	Frequency 8000.00 MHz

Ridge Point	0.10 km	Ridge Height	1713.60 m
Radio Path Height	1748.10 m	1st Fresnel Radius	1.90 m
Path Clearance	34.50 m		
Clearance Margin	32.60 m	Clearance Factor	18.16

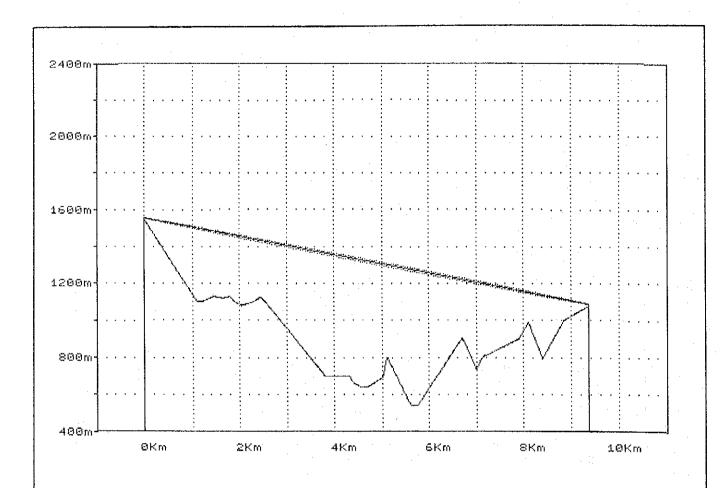
	PATH NAME:	FIG. NO.:
PATH PROFILE	PEPCHU ~ PHUENTSHOLING	PF6



Station No.	10-1	 10-2	
Station Name	TAKTI	KAPDANE	
Elavation	3329.00 m	1550.00 m	
ANT. Height	15.0 m	 5.0 m	
Angle of Depression	- 3 1 33"	 Angle of Elavation	+ 2° 47′ 17"
Distance	35.26 km	Frequency	8300.00 MHz

Ridge Point	35.16 km	Ridge Height	1519.00 m
Radio Path Height	1559.90 m	1st Fresnel Radius	1.90 m
Path Clearance	40.90 m		
Clearance Margin	39.00 m	Clearance Factor	21.53

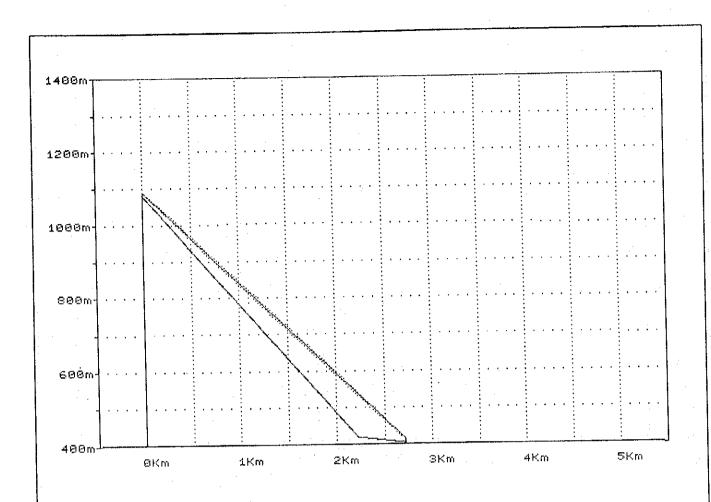
	PATH NAME :	FIG. NO.:
PATH PROFILE	TAKTI ~ KAPDANE	PF7



Station No.	11-1	11-2	
Station Name	KAPDANE	SAURENI	
Elavation	1550.00 m	1080.00 m	
ANT. Height	5.0 m	10.0 m	
Angle of Depression	- 2' 52' 30"	Angle of + 2.	48' 42"
Distance	9.37 km	Frequency 830	0.00 MHz

Ridge Point	9.27 km	Ridge Height	1064.60 m
Radio Path Height	1094.90 m	1st Fresnel Radius	1.90 m
Path Clearance	30.30 m		
Clearance Margin	28.40 m	Clearance Factor	15.95

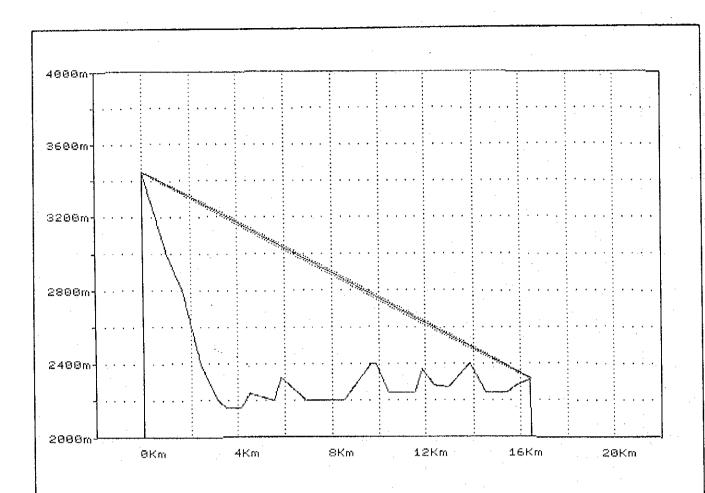
· · · · · · · · · · · · · · · · · · ·			
	ļ	PATH NAME:	FIG. NO.:
PATH PROFILE		KAPDANE ~ SAURENI	PF-8



Station No.	12-1	12-2	
Station Name	SAURENI	SAMTSE	
Elavation	1080.00 m	405.00 m	
ANT. Height	10.0 m	10.0 m	
Angle of Depression	-14' 16' 49"	Angle of Elavation	+14' 15' 43"
Distance	2.71 km	Frequency	8300.00 MHz

Ridge Point	0.20 km	Ridge Height	1020.50 m
Radio Path Height	1040.20 m	lst Fresnel Radius	2.60 m
Path Clearance	19.70 m		
Clearance Margin	17.10 m	Clearance Factor	7.58

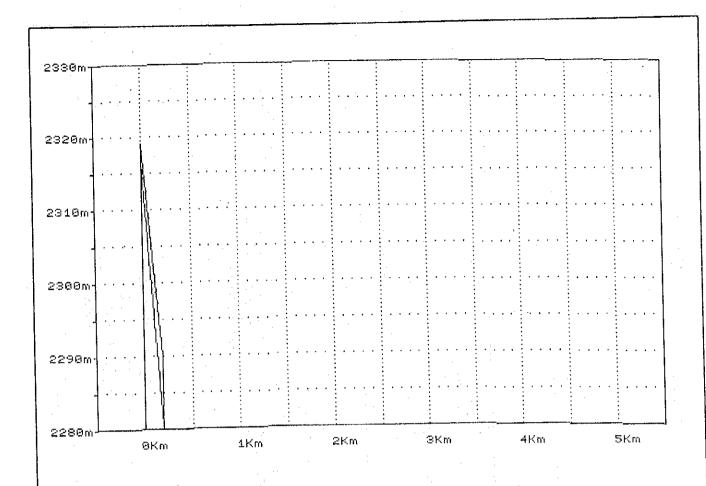
	PATH NAME:	FIG. NO.:
PATH PROFILE	SAURENI ~ SAMTSE	PF—9



Station No.	6-1	6-2
Station Name	ЈАРЈЕКНА	PARO PASSIVE
Elavation	3440.00 m	2316.00 m
ANT. Height	10.0 m	
Angle of Depression	- 4° 0′ 15"	Angle of + 3 53 37 Elavation
Distance	16.41 km	Frequency 8300.00 MHz

Ridge Point	16.31 km	Ridge Height	2310.10 m
Radio Path Height	2325.80 m	1st Fresnel Radius	1.90 m
Path Clearance	15.70 m		
Clearance Margin	13.80 m	Clearance Factor	8.26

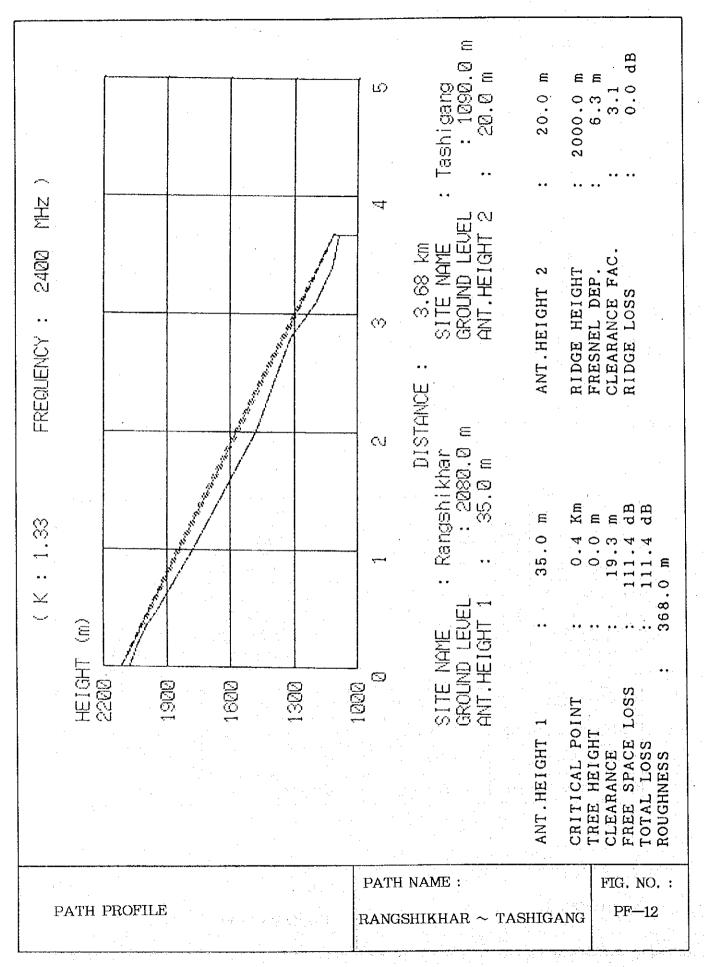
	PATH NAME:	FIG. NO. :
PATH PROFILE	JAPJEKHA ~ PARO PASSIVE	PF-10

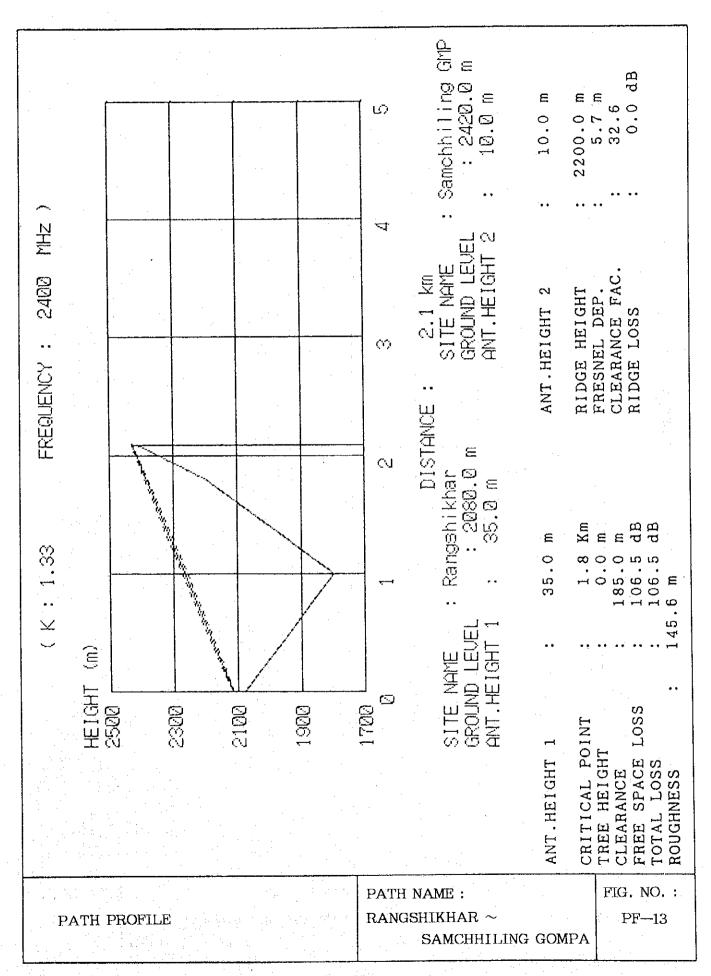


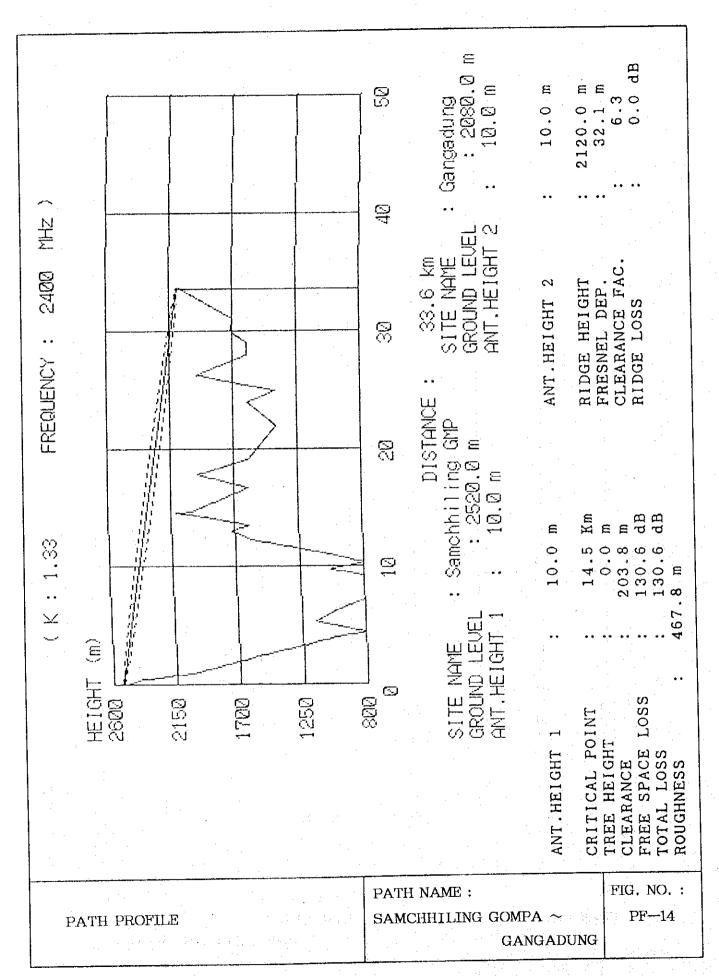
Station No.	7-1		7-2	
Station Name	PARO PASSIVE	:	PARO	
Elavation	2316.00 m		2280.00 m	
ANT. Height	3.0 m		10.0 m	
Angle of Depression	- 8 44 45"		Angle of Elavation	+ 8' 44' 40"
Distance	0.19 km	:	Frequency	8300.00 MHz

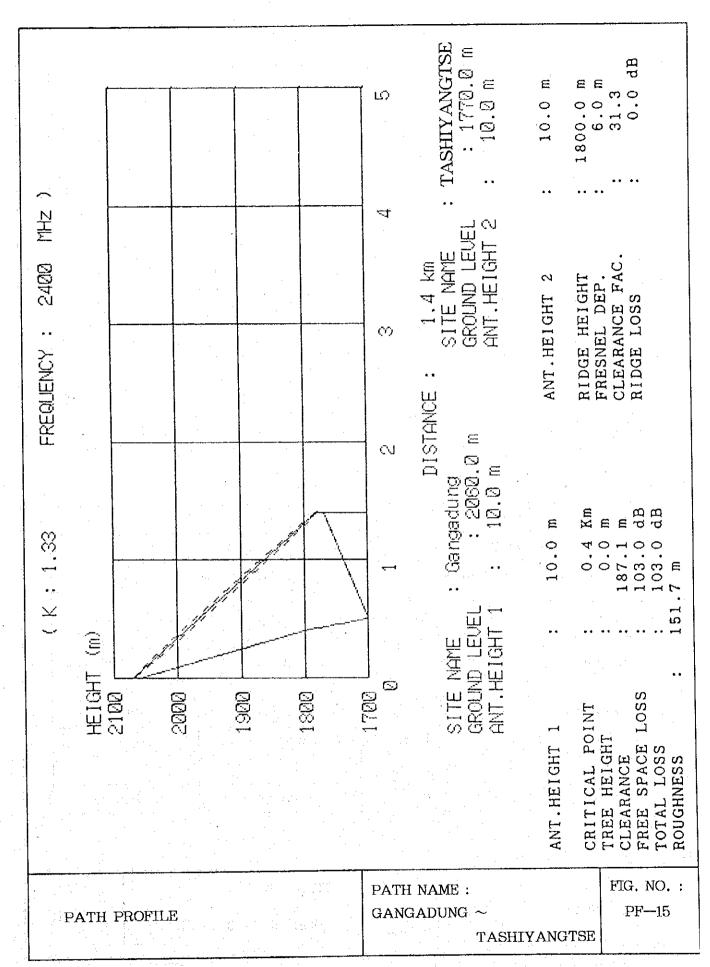
Ridge Point	0.00 km	Ridge Height	2310.10 m
Radio Path Height	2325.80 m	1st Fresnel Radius	1.90 m
Path Clearance	15.70 m		
Clearance Margin	13.80 m	Clearance Factor	8.26

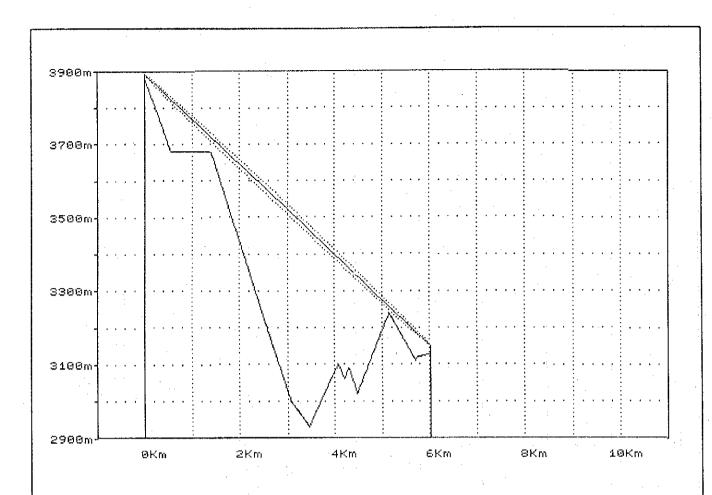
	PATH NAME:	FIG. NO.:
PATH PROFILE	PARO PASSIVE ~ PARO	PF—11







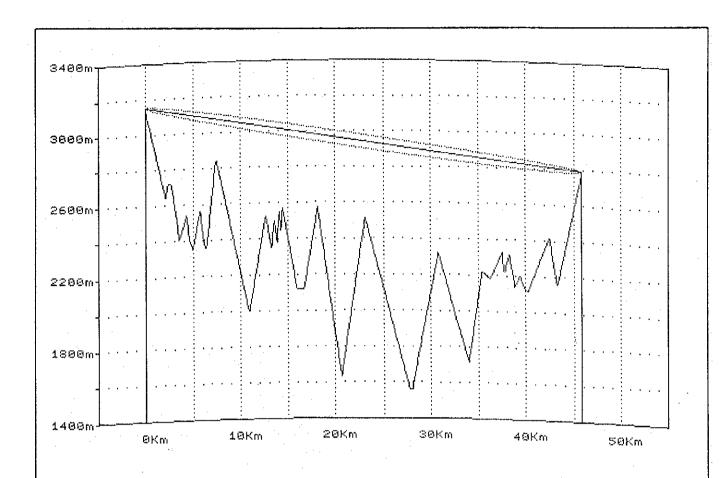




Station No.	2-1	2-2	
Station Name	DOBCHU	DOCHULA	
Elavation	3880.00 m	3129.00 m	
ANT. Height	12.0 m	22.0 m	
Angle of Depression	- 7: 4' 22"	Angle of Elavation	+ 7' 1' 56"
Distance	6.02 km	Frequency	2400.00 MHz

Ridge Point	5.15 km	Ridge Height	3240.00 m
Radio Path Height	3257.80 m	1st Fresnel Radius	9.60 m
Path Clearance	17.80 m		
Clearance Margin	8.20 m	Clearance Factor	1.85

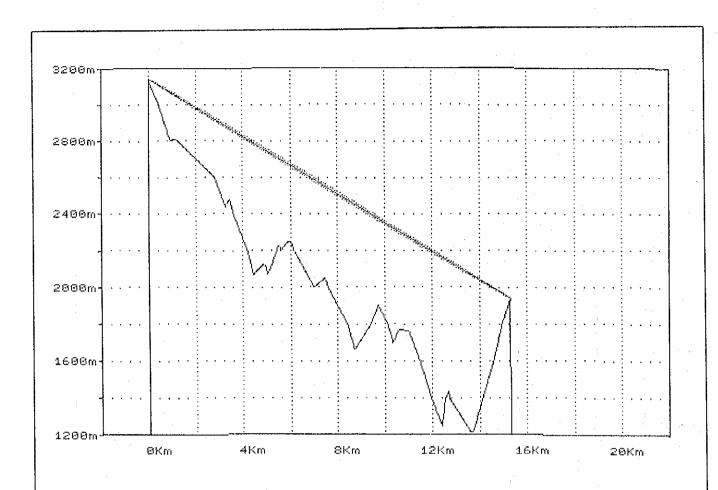
	PATH NAME:	FIG. NO.:
PATH PROFILE	DOBCHU ~ DOCHULA	PF-16



Station No.	3-1	3-2	
Station Name	DOCHULA	GASA	
Elavation	3129.00 m	2780.00 m	
ANT. Height	22.0 m	10.0 m	
Angle of Depression	- 0° 36′ 21"	Angle of Elavation	+ 0 17 48"
Distance	45.83 km	Frequency	2400.00 MHz

Ridge Point	7.40 km	Ridge Height	2850.00 m
Radio Path Height	3076.00 m	1st Fresnel Radius	27.80 m
Path Clearance	226.00 m		
Clearance Margin	198.20 m	Clearance Factor	8.13

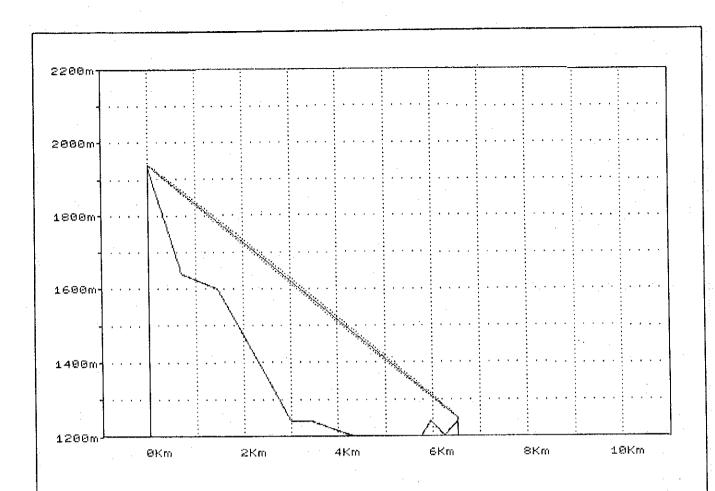
	PATH NAME:	FIG. NO.:
PATH PROFILE		PF-17
	DOCHULA \sim GASA	



Station No.	13-1	13-2	
Station Name	DOCHULA	LIMUTI	
Elavation	3129.00 m	1930.00 m	
ANT. Height	15.0 m	10.0 m	
Angle of Depression	- 4. 33. 48"	Angle of Elavation	+ 4 * 27 ' 37 "
Distance	15.29 km	Frequency	8300.00 MHz

Ridge Point	15.24 km	Ridge Height	1920.00 m
Radio Path Height	1943.90 m	1st Fresnel Radius	1.30 m
Path Clearance	23.90 m		
Clearance Margin	22.60 m	Clearance Factor	18.38

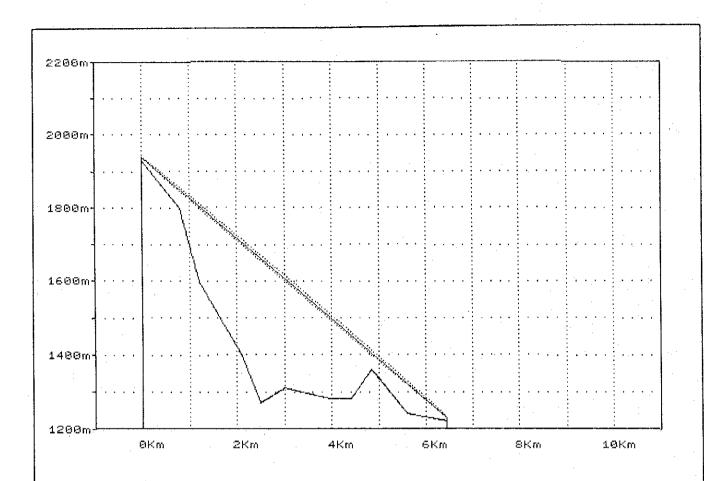
	PATH NAME:	FIG. NO.:
PATH PROFILE	DOCHULA ~ LIMUTI	PF—18



Station No.	15-1	15-2	
Station Name	LIMUTI	WANGDUEPHOD	RANG
Elavation	1930.00 m	1240.00 m	
ANT. Height	10.0 m	10.0 m	
Angle of Depression	- 6 4 35"	Angle of Elavation	+ 6' 1' 56"
Distance	6.53 km	Frequency	8300.00 MHz

Ridge Point	5.95 km	Ridge Height	1240.00 m
Radio Path Height	1311.10 m	1st Fresnel Radius	4.40 m
Path Clearance	71.10 m		
Clearance Margin	66.70 m	Clearance Factor	16.16

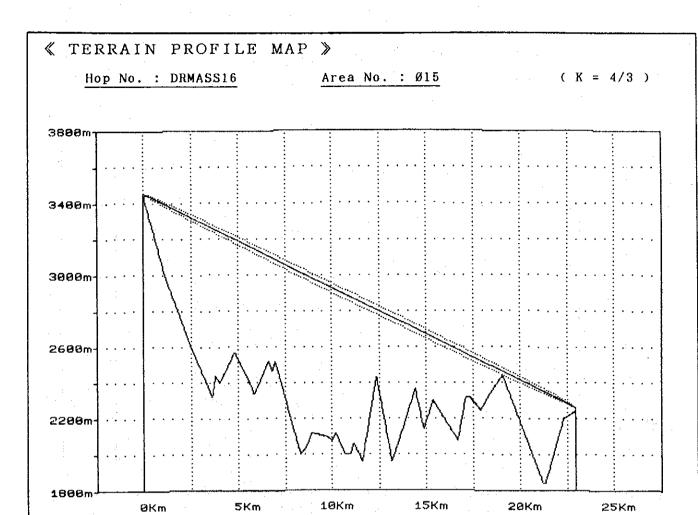
	PATH NAME:	FIG. NO.:
PATH PROFILE	LIMUTI ~	PF—19
	WANGDUEPHODRANG	



Station No.	14-1	14-2	
Station Name	LIMUTI	PUNAKHA	
Elavation	1930.00 m	1220.00 m	
ANT. Height	10.0 m	10.0 m	
Angle of Depression	- 6' 19' 43"	Angle of Elavation	+ 6' 17' 7"
Distance	6.45 km	Frequency	8300.00 MHz

Ridge Point	4.85 km	Ridge Height	1360.00 m
Radio Path Height	1405.70 m	1st Fresnel Radius	6.60 m
Path Clearance	45.70 m		
Clearance Margin	39.10 m	Clearance Factor	6.92

	PATH NAME:	FIG. NO. :
PATH PROFILE	LIMUTI ~ PUNAKHA	PF-20

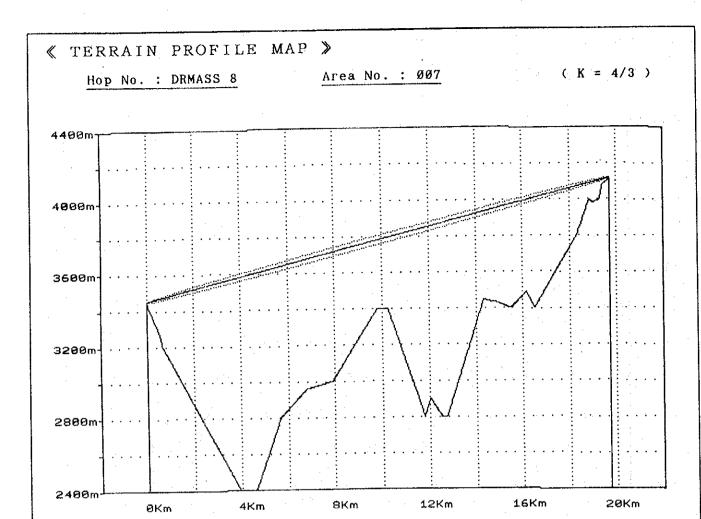


Station No.	16-1	16-2
Station Name	JAPJEKHA	CHIMAKOTHI
Elavation	3440.00 m	2245.00 m
ANT. Height	12.Ø m	20.0 m
Angle of Depression	- 3° 2' 13"	Angle of + 2° 52' 55"
Distance	22.98 km	Frequency 2400.00 MHz

Ridge Point	19.05 km	Ridge Height	2440.00 m
Radio Path Height	2463.60 m	1st Fresnel Radius	20.20 m
Path Clearance	23.60 m		
Clearance Margin	3.40 m	Clearance Factor	1.17

PATH NAME: FIG. NO.:
PATH PROFILE

JAPJEKHA ~ CHIMAKOTHI



Station No.	8-1	8-2
Station Name	JAPJEKHA	CHELELA
Elavation	3440,00 m	4110.00 m
ANT. Height	12.Ø m	10.0 m
Angle of Elavation	+ 1° 52' 35"	Angle of - 2° 0' 33
Distance	19.70 km	Frequency 2400.00 MH

Ridge Point	19.50 km	Ridge Height	4090.00 m
Radio Path Height	4113.ØØ m	1st Fresnel Radius	5.00 m
Path Clearance	23.ØØ m		
Clearance Margin	18.00 m	Clearance Factor	4.60

PATH NAME: FIG. NO.:

PATH PROFILE

JAPJEKHA ~ CHELELA

FIG. NO.:

