

CHAPTER 3 TRAFFIC FORECAST AND CIRCUIT CALCULATION

CHAPTER 3 TRAFFIC FORECAST AND CIRCUITS CALCULATION

Traffic is to be calculated by the way to formulate the subscriber's originating calling rates as shown in Volume I, Chapter 4.

In executing the actual projects, the actual data measured at the objected offices must be applied for making detail plan.

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Table 3-1 (1/13) Estimated Traffic and No. of Circuits Required (LE)

S.S.C		NAME OF EXCHANGE	STD Originating Traffic				No. of Circuits Required			
CODE	NO.		1985	1990	1995	2000	1985	1990	1995	2000
ANR		ANURADAPURA S.S.C.	49.7	81.3	153.7	233.4	63	98	173	259
		Anuradapura	4.4	8.4	15.8	29.2	10	16	25	41
		Eppawala	1	2	3.8	7	5	7	9	14
		Galenbindunuwewa	1.2	2.4	4.5	8.3	5	7	10	16
		Horowpatana	2.7	5.1	9.6	17.9	8	11	17	28
		Kahatagasdigiliya	1.5	2.9	5.4	10	6	8	12	18
		Kebitigollewa	8.1	15.7	29.6	54.8	15	25	41	69
		Kekirawa	3.7	7.1	13.4	24.8	9	14	22	36
		Medawachchiya	1.5	2.9	5.4	10	6	8	12	18
		Nochhiyagama	1.1	2.1	4	7.4	5	7	10	15
		Tambuttegama								
AMR		AMPARA S.S.C.	17.9	34.7	65.6	103.1	28	47	81	121
		Ampara								
AVS		AVISSAWELLA S.S.C.	16.5	31.8	60	94.2	26	44	75	111
		Avissawella	1.1	2.1	4	7.4	5	7	10	14
		Sulatkothuoliya	2.1	4.1	7.7	14.4	7	10	15	23
		Deraniyagala	9.7	18.7	35.2	65.3	17	29	47	80
		Ehaliyagoda	0.9	1.8	3.3	6.1	4	6	9	13
		Kithulgala	11	21.3	40.1	74.4	19	32	53	90
		Kosgama	7.3	14.2	26.8	49.6	14	23	38	63
		Ruwanwella								

Table 3-1 (2/13) Estimated Traffic and No. of Circuits Required (LE)

S.S.C	NAME OF EXCHANGE	STD Originating Traffic				No. of Circuits Required			
		1985	1990	1995	2000	1985	1990	1995	2000
	BADULLA S.S.C.								
BDL	Badulla	40.3	77.8	124.4	188.9	53	94	143	210
	Bibile	2.7	5.2	9.9	18.3	8	11	18	28
	Kandaketiya	0.2	0.4	0.7	1.3	2	3	4	5
	Madulsima	1	1.9	3.5	6.6	5	6	9	13
	Monaragala	9.3	18	34	63.1	17	28	46	78
	Namunukula	1.6	3.1	5.9	10.9	6	8	12	19
	Padiyatalava	1	1.8	3.3	6.1	5	8	9	13
	Passara	6.5	12.6	23.8	44	13	21	34	57
	Weilawaya	1.8	3.4	6.4	11.8	6	9	13	20
	Mahiyangana	5.5	10.6	19.9	37	12	19	30	49
	BATTICALOA S.S.C.								
BTC	Batticaloa	61.7	101.1	191.3	290.6	76	118	213	323
	Vaichchana	10.2	19.8	37.5	69.6	18	30	50	85
	BANDARAWELA S.S.C.								
BMR	Ampirikanda	1.4	2.7	5.2	9.6	5	8	11	17
	Bandarawela	34.1	65	105.6	160.3	46	80	123	180
	Haputale	7.7	14.9	28.2	52.2	15	24	40	66
	Koslanda	2	4	7.5	13.9	7	10	15	23
	Weimada	9.5	18.2	34.5	64	17	28	47	79

Table 3-1 (3/13) Estimated Traffic and No. of Circuits Required (LE)

S.S.C CODE	NAME OF EXCHANGE	STD Originating Traffic				No. of Circuits Required			
		1985	1990	1995	2000	1985	1990	1995	2000
	COLOMBO S.S.C.	* Specified in another table							
CNT	Angoda	16.1	31	58.7	92.2	25	43	73	103
	Boralegama	16.7	32.4	61.3	96.3	26	44	76	113
	Colombo central	822.5	1592.2	3012.8	5591	914	1769	3348	6212
	Co-Ilavelock Town	534.2	1034.1	1956.8	3231.3	594	1149	2174	3590
	Co-Maradana	452.7	876	1658.1	3077	503	973	1842	3419
	Hokandara	13.6	26.4	49.9	78.3	22	37	64	94
	Homagama	18	34.8	65.9	103.5	28	47	81	121
	Ja-Ela	31.8	61.6	98.6	182.9	44	76	116	203
	Kadavata	37.2	72	115.3	175	50	88	133	196
	Kaduvela	23.8	46.1	87.2	136.9	34	60	104	156
	Kelaniya	92.7	179.4	277.7	515.4	110	200	309	573
	Kotte	263.9	510.9	966.7	1793.9	293	568	1074	1993
	Maharagama	61.7	101.1	191.2	290.3	76	118	212	323
	Malwana(Siyagama)	14.7	28.4	53.8	84.5	24	40	68	101
	Moratuva	86.5	167.4	259.1	480.8	103	188	288	534
	Mount Lavinia	297.7	576.4	1090.6	2023.8	331	640	1212	2249
	Nugegoda	192	371.8	703.4	1305.4	213	413	782	1450
	Padukka	7	13.6	25.7	47.7	14	22	37	61
	Piliyandata	22.9	44.3	83.8	131.6	33	58	100	150
	Ragama	23	44.5	84.3	132.4	34	58	101	151
	Vattala	72	118.1	182.8	339.3	88	136	203	377
	Vellampitiya	65.7	107.6	166.6	309.1	81	125	187	343
	Kollupitiya	128.7	203.9	385.7	715.7	147	227	429	795
	Mattakkuliya	67.5	110.5	171	317.6	83	128	191	353

Table 3-1 (4/13) Estimated Traffic and No. of Circuits Required (LE)

S.S.C CODE	S.S.C NO.	NAME OF EXCHANGE	STD Originating Traffic				No. of Circuits Required								
			1985	1990	1995	2000	1985	1990	1995	2000					
CHW		CHILAW S.S.C.													
		Bingiriya	1.5	2.9	5.4	10	6	8	12	18					
		Chilaw	12.9	24.9	47.1	87.5	22	36	61	104					
		Madampe	5.7	11.1	20.9	38.7	12	19	31	51					
		Marawila	10.5	20.2	38.2	70.9	19	30	51	86					
		Mundel(Palavi)	1.7	3.1	5.9	11	6	8	12	19					
		Rajakadaluwa	1.7	3.4	6.4	11.8	6	9	13	20					
		GALLE S.S.C.													
GLE		Ambalangoda	25.1	48.6	77.7	144.3	36	62	94	164					
		Baddegama	5.1	9.9	18.7	34.8	11	18	29	47					
		Elpitiya	5.7	11	20.9	38.8	12	19	31	51					
		Galle	103.7	164.3	310.7	576.6	121	184	345	641					
		Habaraduwa	5.4	10.3	19.5	36.2	12	18	29	49					
		Imaduwa	1.6	3.1	5.9	10.9	6	8	12	19					
		Kosgoda	2.7	5.1	9.6	17.9	8	11	17	28					
		Talagaswela	0.8	1.5	2.8	5.2	4	6	8	11					
		Udugama	1.5	2.9	5.4	10	6	8	12	18					
		GAMPAHA S.S.C.													
GMH		Gampaha	54.5	89.2	168.9	256.3	69	106	189	285					
		Mirigama	7.5	14.5	27.4	51	15	23	39	65					
		Pallewela	0.8	1.5	2.8	5.2	4	6	8	11					
		Pasyala	2.5	4.9	9.2	17	7	11	17	27					

Table 3-1 (5/13) Estimated Traffic and No. of Circuits Required (LE)

S.S.C	CODE NO.	NAME OF EXCHANGE	STD Originating Traffic				No. of Circuits Required			
			1985	1990	1995	2000	1985	1990	1995	2000
GMH		Veliveriya	6.2	12.1	22.8	42.3	13	21	33	55
		Veyandoda	14.2	27.4	51.8	80.7	23	39	66	92
		HAMBANTOTA S.S.C.								
IMB		Ambalantota	5.4	10.5	19.7	36.6	12	19	30	49
		Embilipitiya	5.4	10.4	19.7	36.5	12	18	30	49
		Hambantota	11	21.2	40	74.4	19	31	53	90
		Kataragama	2.4	4.6	8.7	16.1	7	11	16	25
		Tanamailwila	0.5	1	1.9	3.5	3	5	6	9
		Thimbolketiya	0.9	1.6	3	5.7	4	6	8	12
		Tissamaharama	4.6	8.8	16.7	30.9	11	16	26	43
		Angunakolapelessa	1	1.9	3.5	6.6	5	6	9	13
		Tangalle	9.1	17.6	33.3	61.8	17	27	45	77
		Beliatra	2.5	4.9	9.1	17	7	11	17	27
		Walasmulla	2	3.9	7.3	13.5	7	10	14	22
		Wecraketiya	1.7	3.2	6.1	11.3	6	9	13	20
		Middeniya	0.7	1.3	2.4	4.4	4	5	7	10
		HATTON S.S.C.								
HTN		Agarapatana	3.5	6.7	12.7	23.5	9	14	21	34
		Hatton	29.6	57.3	91.6	170.1	41	72	108	190
		Norton-Bridge	1.9	3.6	6.8	12.6	6	9	14	21
		Pundaluoya	3.4	6.6	12.4	23.1	9	13	21	34
		Tillicountry	3	5.8	11.1	20.5	8	12	19	31

Table 3-1 (6/13) Estimated Traffic and No. of Circuits Required (LE)

S.S.C CODE	S.S.C NO.	NAME OF EXCHANGE	STD Originating Traffic				No. of Circuits Required			
			1985	1990	1995	2000	1985	1990	1995	2000
HTN		Upcot	1.5	3	5.6	10.5	6	8	12	19
		Watawala	6.1	11.7	22.1	41	13	20	32	54
		JAFFNA S.S.C.								
JFN		Chavakachcheri	10.2	19.7	37.3	69.2	18	30	50	85
		Jaffna	173.4	335.7	635	1178.5	194	373	706	1309
		Karaveddy	25.8	50	78	148.4	37	64	94	168
		Kayts	11.8	22.7	43	79.7	20	33	56	96
		Kilinochchi	15.3	29.6	56	.88	24	41	70	105
		Pallai	2.4	4.6	8.7	16.1	7	11	16	25
		Pooneryn	0.8	1.5	2.8	5.2	4	6	8	11
		Punkudutiya	2.1	4	7.6	14	7	10	15	23
		Sitankerni	12.4	23.9	45.3	84	21	35	59	100
		Tellipallai	9.6	18.4	34.8	64.4	17	28	47	79
		KALMUNA S.S.C.								
KLN		Akkarapattu	13	25.2	47.5	88.3	22	36	61	105
		Kalmunai	34.9	67.5	108.1	164.1	47	83	126	184

Table 3-1 (7/13) Estimated Traffic and No. of Circuits Required (LE)

S.S.C CODE	S.S.C NO.	NAME OF EXCHANGE	STD Originating Traffic			No. of Circuits Required						
			1985	1990	1995	2000	1985	1990	1995	2000		
		KANDY S.S.C.										
		Digana	8.1	15.5	29.3	54.4	15	25	41	69		
		Galagedara	5.3	10.2	19.2	35.7	12	18	29	48		
		Galaha	4.7	9.1	17.1	31.8	11	17	27	44		
		Kadugannawa	17.9	33.4	63.1	99	28	45	78	116		
		Kandy	178.6	345.6	653.8	1213.4	199	384	726	1348		
		Katugastota	46.9	90.6	145	220.1	60	107	164	245		
		Madulkele	2.5	4.7	8.9	16.6	7	11	16	26		
		Peradeniya	50.3	82.3	155.7	236.4	64	99	176	263		
		Wattegama	12.2	23.5	44.3	82.3	20	34	58	98		
		Rikillagaskada	6.5	12.5	23.5	43.5	13	21	34	57		
		Gampola	29.8	57.7	92.4	140.3	47	72	109	160		
		Pussellawa	4	7.8	14.8	27.4	10	15	24	39		
		KURUNEGALA S.S.C.										
KRG		Giriulla	4.3	8.1	15.2	28.3	10	15	24	40		
		Hettipola	1.6	3	5.7	10.5	6	8	12	19		
		Kuliyapitiya	11.5	22.2	42	77.9	19	33	55	94		
		Kurunegala	66.6	109	168.7	313	82	127	189	348		
		Narammala	7.1	13.7	25.8	47.9	14	22	37	61		
		Nikadalupotha	0.9	1.8	3.3	6.1	4	6	9	13		
		Pannala	2.7	5.1	9.6	17.9	8	11	17	28		
		Poigahawala	12	23.2	43.9	81.4	20	34	57	98		
		Ridigama	3.6	7	13.2	24.4	9	14	22	35		
		Variyapola	4.7	9.1	17.1	31.8	11	17	27	44		

Table 3-1 (8/13) Estimated Traffic and No. of Circuits Required (LE)

S.S.C	NAME OF EXCHANGE	STD Originating Traffic				No. of Circuits Required			
		1985	1990	1995	2000	1985	1990	1995	2000
KRG	Nikaweratiya	5	9.7	18.3	33.9	11	17	28	46
	Galgamuwa	2.6	5	9.4	17.4	8	11	17	27
	Maho	4.1	8	15	27.9	10	15	24	39
	KALUTARA S.S.C.								
KLT	Bentota	37.8	73.2	117.2	177.9	50	89	135	199
	Kalutara	51.9	85	160.8	244.2	66	101	181	271
	Matugama	13.6	26.2	49.5	77.7	22	37	63	93
	Migahatenna	1.6	3.1	5.9	10.9	6	8	12	19
	Neboda	2.3	4.4	8.3	15.2	7	15	24	24
	Butathsinghala	2	3.9	7.3	13.5	7	14	22	22
	KEGALLE S.S.C.								
KGL	Aranayake	2	3.7	7.1	13.1	7	9	14	22
	Kegalle	24.6	47.6	90	141.3	35	61	107	161
	Kotiyakumbura	1.4	2.6	5	9.1	5	8	11	17
	Mavanella	8.7	16.7	31.7	58.8	16	26	43	73
	Nelundeniya	0.7	1.3	2.4	4.4	4	5	7	10
	Undugoda	1	1.9	3.5	6.6	5	6	9	13
	Varakapola	7.6	14.8	27.9	51.8	15	24	39	66
	Rambukkana	4.1	8	15	27.8	10	15	24	39

Table 3-1 (9/13) Estimated Traffic and No. of Circuits Required (LE)

S.S.C	NAME OF EXCHANGE	STD Originating Traffic				No. of Circuits Required			
		1985	1990	1995	2000	1985	1990	1995	2000
	MANNAR S.S.C.								
MNR	Adampan	0.9	1.8	3.3	6.1	4	6	9	13
	Mannar	13.7	26.5	50.2	78.8	22	38	64	95
	Pesalai	1	1.9	3.5	6.6	5	6	9	13
	Talaimannar	1.7	3.4	6.4	11.8	6	9	13	20
	Uyilankulam	1.5	2.8	5.2	9.6	6	8	11	17
	Vidalativu	0.4	0.8	1.4	2.6	3	4	5	8
	Chillavathura	0.7	1.3	2.4	4.4	4	5	7	10
	Murunkan	3	5.7	10.6	19.6	8	12	19	30
MTL	MATALE S.S.C.								
	Dambulla	6.1	11.8	22.3	41.4	13	20	33	54
	Elahara	1.1	2.2	4	7.4	5	7	10	14
	Mahaavela	2.3	4.6	8.6	15.7	7	11	16	25
	Matale	49.5	81	153.3	232.8	63	97	173	259
	Naula	8.1	15.5	29.3	54.5	15	25	41	69
	Rattota	3.8	4.8	13.9	25.7	9	11	23	37
MTR	MATARA S.S.C.								
	Akuressa	4.2	8.2	15.5	28.7	10	16	25	40
	Deniyaya	4.8	9.3	17.6	32.7	11	17	27	45
	Dickwella	3.3	6.3	12	22.2	9	13	20	33
	Kakmana	3	5.8	10.8	20.1	9	12	19	30
	Kamburupitiya	4.8	9.2	17.4	32.2	11	17	27	44

Table 3-1 (11/13) Estimated Traffic and No. of Circuits Required (LE)

S.S.C CODE	S.S.C NO.	NAME OF EXCHANGE	STD Originating Traffic				No. of Circuits Required							
			1985	1990	1995	2000	1985	1990	1995	2000				
NVR		NUWARA-ELIYA S.S.C.												
		Halganoya	3.5	6.8	12.9	23.9	9	14	21	35				
		Maturata	2.4	4.5	8.5	15.7	7	10	16	25				
		Nuwara Eliya	46.8	90.5	144.8	219.8	60	107	164	244				
		Ramboda	1.6	3.1	5.9	10.9	6	8	12	19				
		Udapussallawa	2.1	4.1	7.7	14.4	7	10	15	23				
		Bagavantalawa	4.5	8.6	16.2	30	10	16	26	42				
		Maskeliya	5.2	10.1	19	35.3	11	18	29	48				
		Talawakele	6.8	13.1	24.8	46.1	14	22	36	60				
		Watumulla	0.5	0.9	1.7	3	4	4	6	8				
PLN		POLONNARUWA S.S.C.												
		Hingurakgoda	6.1	11.9	22.5	41.8	13	20	33	55				
		Polonnaruwa	13.1	25.3	47.8	88.7	22	36	61	105				
PND		PANADURA S.S.C.												
		Horana	16.8	32.5	61.4	96.4	26	44	76	114				
		Panadura	71.5	116.9	181.1	336	87	134	201	373				

Table 3-1 (12/13) Estimated Traffic and No. of Circuits Required (LE)

S.S.C CODE	S.S.C NO.	NAME OF EXCHANGE	STD Originating Traffic				No. of Circuits Required						
			1985	1990	1995	2000	1985	1990	1995	2000			
		PUTTALAM S.S.C.											
PTL		Anamaduwa	2	4	7.5	13.9	7	10	15	23			
		Puttalam	15.8	30.6	57.9	90.9	25	42	72	108			
		Kalpitiya	2	3.7	7.1	13.1	7	9	14	22			
		Madurankali	1	2	3.8	7	5	7	9	14			
		Mampuri	0.4	0.6	1.2	2.2	3	4	5	7			
		RATNAPURA S.S.C.											
RTN		Balangoda	11.2	21.7	41	76.1	19	32	54	92			
		Bambarasotuwa	0.9	1.8	3.3	6.1	4	6	8	13			
		kalawana	1.4	2.7	5.2	9.6	5	8	11	17			
		kirielia	1.5	2.7	5.2	9.6	6	8	11	17			
		Nivitigala	4.8	9.2	17.4	32.2	11	17	27	44			
		Pelmadulla	17.9	34.6	65.5	102.7	28	47	81	120			
		Rakwana	5.1	9.7	18.3	34	11	17	28	46			
		Ratnapura	53.2	87.1	164.8	250.2	67	104	185	278			
		TRINCOMALEE S.S.C.											
TRN		China-Bay	4.3	8.2	15.5	28.8	10	15	25	40			
		Kantalei	2.9	5.6	10.6	19.6	8	12	19	30			
		Kiliveddi	0.4	0.8	1.4	2.6	3	4	5	8			
		Kuchchaveli	0.5	1	1.9	3.5	3	5	6	9			
		Morawewa	0.7	1.3	2.4	4.4	4	5	7	10			
		Muttur	1.9	3.6	6.8	12.6	6	9	14	21			

Table 3-2 (1/2) Estimated Traffic and No. of Circuits Required (SSC)

SSC NAME	ESTIMATED TRAFFIC (IN ERLANG)												NUMBER OF CIRCUITS REQUIRED												
	1985			1990			1995			2000			1985			1990			1995			2000			
	OUT	IN	IN	OUT	IN	IN	OUT	IN	IN	OUT	IN	IN	OUT	IN	IN	OUT	IN	IN	OUT	IN	IN	OUT	IN		
CNT	35.1	66.6	57.6	109.2	108.8	206.5	165.3	313.7	39	74	72	127	127	230	186	349									
CRV	6.3	10.8	12.2	20.8	22.9	39.3	42.6	73.0	7	17	21	31	31	52	56	89									
KRG	55.8	52.2	38.3	92.4	170.7	159.7	316.4	296.0	62	53	116	109	109	180	352	329									
KGL	45.0	38.7	36.9	74.7	163.8	140.9	281.3	241.8	50	43	104	91	91	160	313	269									
GHH	24.3	40.5	42.3	70.5	80.2	133.7	128.3	213.8	27	45	55	66	66	153	147	238									
AVS	27.0	36.9	52.1	71.2	98.3	134.3	173.1	236.5	40	41	66	87	87	153	194	263									
KLT	49.5	45.9	38.6	82.2	158.4	146.9	244.5	226.7	55	51	105	99	99	166	272	252									
PND	19.8	30.6	33.5	51.7	54.5	84.2	97.0	149.8	22	34	46	66	66	101	114	170									
NGN	40.5	55.8	66.8	92.1	126.8	174.7	221.1	304.7	45	62	82	109	109	145	246	339									
CNT	426.6	683.3	810.5	1260.3	1497.4	2328.2	2696.7	4192.0	474	859	900	1300	1300	1664	2587	4658									
PTL	21.2	21.2	40.9	40.9	77.6	77.6	127.2	127.2	24	24	54	54	54	94	146	146									
	(751.1)	(1062.5)	(1390.2)	(1966.0)	(2559.4)	(3626.0)	(4493.5)	(6375.4)																	
KND	32.4	25.2	70.0	57.8	135.0	111.5	220.2	181.9	46	38	85	72	72	154	245	203									
BTC	37.8	33.3	89.2	80.1	168.9	151.7	266.0	239.0	59	53	106	96	96	171	236	266									
KLM	13.5	14.4	43.7	47.1	73.1	79.0	118.6	128.1	25	27	57	61	61	89	137	147									
AMR	27.0	18.0	73.3	54.1	138.3	102.1	217.7	160.7	42	31	89	68	68	153	243	181									
BOL	95.4	53.1	229.3	135.5	394.4	233.1	659.3	389.6	132	78	255	155	155	439	733	433									
	(24.4)	(17.1)	(117.1)	(81.1)	(217.1)	(134.1)	(300.9)	(221.9)	61	45	123	94	94	202	334	240									
BNR	54.9	40.5	105.4	77.8	181.7	134.1	300.9	221.9	61	45	123	94	94	202	334	240									
	(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)	71	47	142	98	98	234	389	258									
KNO	63.9	42.3	123.3	81.6	210.2	138.2	350.2	231.8	71	47	142	98	98	234	389	258									
HTN	33.3	24.3	90.3	74.7	154.9	128.1	254.6	210.5	52	43	107	91	91	175	283	234									
	(13.5)	(14.4)	(...)	(...)	(...)	(...)	(...)	(...)	42	38	88	81	81	157	247	224									
NVL	27.0	22.5	72.6	65.7	137.6	124.5	222.3	201.1	42	38	88	81	81	157	247	224									
	(10.8)	(11.7)	(...)	(...)	(...)	(...)	(...)	(...)	152	213	288	268	268	525	942	1638									
NWR	109.8	138.6	258.6	464.4	472.0	847.7	820.8	1474.2	152	213	288	268	268	525	942	1638									
	(27.0)	(107.1)	(...)	(...)	(...)	(...)	(...)	(...)																	
	(613.8)	(605.7)	(1155.7)	(1138.8)	(2066.1)	(2651.0)	(3430.6)	(3438.8)																	

Table 3-2 (2/2) Estimated Traffic and No. of Circuits Required (SSC)

SSC NAME	ESTIMATED TRAFFIC (IN ERLANG)												NUMBER OF CIRCUITS REQUIRED											
	1985			1990			1995			2000			1985			1990			1995			2000		
	TSC	CODE		OUT	IN		OUT	IN		OUT	IN		OUT	IN		OUT	IN		OUT	IN		OUT	IN	
	GLE	RTN	65.7 (14.4)	36.9 (10.8)	84.4	267.5 (10.8)	159.3	258.5	434.1	258.5	48	89	101	161	298	179	288							
		HMB	38.7 (6.3)	35.1 (9.0)	85.1	162.4	160.1	297.2	303.3	50	50	114	102	114	184	180	331							
		MTR	107.1 (17.1)	83.7 (12.6)	167.6	363.9	282.2	523.9	675.6	138	138	240	188	240	405	314	583							
		GLE	72.0 (36.0)	62.1 (36.0)	165.8	338.7	305.1	586.0	628.4	121	121	205	184	205	377	339	629							
			(358.2)	(286.2)	(502.9)	(1133.5)	(806.7)	(1645.6)	(2041.4)															
		ANR	43.2 (6.0)	35.4 (5.4)	69.0	189.0	136.3	248.9	318.4	58	58	105	84	105	210	155	277							
		JFN	128.7 (36.7)	88.4 (24.3)	178.9	607.7	336.5	613.7	1108.2	186	186	359	199	359	676	374	682							
		VNY	36.0 (8.1)	33.3 (10.8)	85.1	129.2	137.1	294.6	294.6	49	49	102	102	102	148	156	328							
		TRN	69.3 (15.8)	38.7 (13.5)	100.7	277.1	162.3	293.9	501.6	99	99	192	118	192	308	182	327							
		PLN	42.3 (8.1)	32.4 (8.1)	78.6	184.5	148.2	275.4	342.7	56	56	115	95	115	205	168	306							
		ANR	74.9 (...)	74.9 (...)	129.6	244.9	244.9	403.0	403.0	84	84	168	148	168	273	273	448							
			(478.1)	(345.2)	(641.9)	(1632.4)	(1165.3)	(2968.5)	(2129.5)															

* NOTE: No. of Circuits includes th are circuits for TEX or New Services.

Table 3-3 (1/4) Originating Traffic Distribution to
Each Service Category as of 1990

EX.	No. of Sub.	Org. CR	Total OG (Erl.)	STD OG (Erl.)	ISD OG (Erl.)	SPL OG (Erl.)	LOC OG (Erl.)
CNT 1	23,750	0.08	1,900	285	95	10.5	654.55
CNT 2	23,750		1,900	285	95	10.5	654.55
CNT 3	22,450		1,796	269.4	89.8	9.9	618.72
HVL 1	23,750		1,900	285	19	10.5	1300.55
HVL 2	16,350		1,308	196.2	13	7.1	895.33
MNL 1	23,750		1,900	285	19	10.5	730.55
MNL 2	1,650		132	19.8	1.3	0.7	50.75
KPT	6,500		520	78	5.2	2.9	355.94
MRD 1	23,750		1,900	285	19	10.5	1300.55
MRD 2	4,250		340	51	3.4	1.9	232.73
KTE	20,550		1,644	246.6	16.4	9.0	1125.31
NGD	11,900		952	142.8	9.5	5.2	651.64

Table 3-3 (2/4) Originating Traffic Distribution to
Each Service Category as of 1995

EX.	No. of Sub.	Org. CR	Total OG (Erl.)	STD OG (Erl.)	ISD OG (Erl.)	SPL OG (Erl.)	LOC OG (Erl.)
CNT 1	23,750	0.08	1,900	285	95	10.5	654.55
CNT 2	23,750		1,900	285	95	10.5	654.55
CNT 3	23,750		1,900	285	95	10.5	654.55
CNT 4	23,750		1,900	285	95	10.5	654.55
CNT 5	16,550		1,324	198.6	66.2	7.3	456.12
HVL 1	23,750		1,900	285	19	10.5	1300.55
HVL 2	23,750		1,900	285	19	10.5	1300.55
HVL 3	23,600		1,888	283.2	18.9	7.3	1292.34
MNL 1	23,750		1,900	285	19	10.5	730.55
MNL 2	14,250		1,140	171	11.4	6.3	438.33
KPT	12,500		1,000	150	10	5.5	684.50
MRD 1	23,750		1,900	285	19	10.5	1300.55
MRD 2	23,750		1,900	285	19	10.5	1300.55
MRD 3	5,500		440	66	4.4	2.4	301.18
KTE 1	23,750		1,900	285	19	10.5	1300.55
KTE 2	11,200		896	134.4	8.9	4.9	613.31
NGD	22,900		1,832	274.8	18.3	10.1	1254.00
MRT	8,400		672	100.8	6.7	3.7	459.98
KLA 1	23,750		1,900	285	19	10.5	1300.55
KLA 2	4,050		324	48.6	3.2	1.8	221.78

Table 3-3 (3/4) Originating Traffic Distribution to
Each Service Category as of 2000 (1/2)

EX.	No. of Sub.	Org. CR	Total OG (Erl.)	STD OG (Erl.)	ISD OG (Erl.)	SPL OG (Erl.)	LOC OG (Erl.)
CNT 1	23,750	0.08	1,900	285	95	10.5	654.55
CNT 2	23,750		1,900	285	95	10.5	654.55
CNT 3	23,750		1,900	285	95	10.5	654.55
CNT 4	23,750		1,900	285	95	10.5	654.55
CNT 5	23,750		1,900	285	95	10.5	654.55
CNT 6	23,750		1,900	285	95	10.5	654.55
CNT 7	23,750		1,900	285	95	10.5	654.55
CNT 8	17,750		1,420	213	71	7.8	489.19
HLV 1	23,750		1,900	285	19	10.5	1300.55
HLV 2	23,750		1,900	285	19	10.5	1300.55
HLV 3	23,750		1,900	285	19	10.5	1300.55
HLV 4	23,750		1,900	285	19	10.5	1300.55
HLV 5	23,750		1,900	285	19	10.5	1300.55
HLV 6	3,150		252	37.8	2.5	17.3	172.49
MNL 1	23,750		1,900	285	19	10.5	730.55
MNL 2	23,750		1,900	285	19	10.5	730.55
MNL 3	23,000		1,840	276	18.4	10.1	707.48
KPT	23,000		1,840	276	18.4	10.1	1259.48

Table 3-3 (4/4) Originating Traffic Distribution to
Each Service Category as of 2000 (2/2)

EX.	No. of Sub.	Org. CR	Total OG (Erl.)	STD OG (Erl.)	ISD OG (Erl.)	SPL OG (Erl.)	LOC OG (Erl.)
MRD 1	23,750	0.08	1,900	285	19	10.5	1300.55
MRD 2	23,750		1,900	285	19	10.5	1300.55
MRD 3	23,750		1,900	285	19	10.5	1300.55
MRD 4	23,750		1,900	285	19	10.5	1300.55
KTE 1	23,750		1,900	285	19	10.5	1300.55
KTE 2	23,750		1,900	285	19	10.5	1300.55
KTE 3	16,750		1,340	201	13.4	7.4	917.23
NGD 1	23,750		1,900	285	19	10.5	1300.55
NGD 2	18,150		1,452	217.8	14.5	8.0	993.89
MRT	15,400		1,232	184.8	12.3	6.8	843.30
MTK	10,100		808	121.2	8.1	4.4	553.08
MHR	9,300		744	111.6	7.4	4.1	509.27
WLP	9,850		788	118.2	7.9	7.3	539.39
WTL	12,650		1,012	151.8	10.1	5.6	692.71
KLA 1	23,750		1,900	285	19	10.5	1300.55
KLA 2	8,800		704	105.6	7.0	3.9	481.89

Table 3-4 (1/3) Traffic Flow as of 1990

TO FROM	CNT 1	CNT 2	CNT 3	HVL 1	HVL 2	MNL 1	MNL 2	KPT	MRD 1	MRD 2	KTE	NGD	STD	ISD	SPL
CNT 1				99.28	68.34	56.32	3.92	27.52	100.48	17.98	87.94	50.87	285	95	10.5
CNT 2				99.28	68.34	56.32	3.92	27.52	100.48	17.98	87.94	50.87	285	95	10.5
CNT 3				93.26	64.20	52.91	3.68	25.85	94.40	16.89	82.62	47.79	269.4	89.8	9.9
HVL 1						130.29	9.06	63.31	229.16	41.00	202.41	117.37	285	19	10.5
HVL 2						84.22	5.86	40.93	148.14	26.50	130.95	75.87	196.2	13	7.1
MNL 1								33.44	121.87	21.80	109.04	63.36	285	19	10.5
MNL 2								2.12	7.72	1.38	6.91	4.01	19.8	1.3	0.7
KPT									56.80	10.16	49.50	28.65	78	5.2	2.9
MRD 1											204.47	118.17	285	19	10.5
MRD 2											31.20	18.03	51	3.4	1.9
KTE												102.25	246.6	16.4	9.0
NGD													142.8	9.5	5.2
STD															
ISD															
SPL															

Table 3-4 (2/3) Traffic Flow as of 1995

TO	CNT 1	CNT 2	CNT 3	CNT 4	CNT 5	HVL 1	HVL 2	HVL 3	MSL 1	MSL 2	KPE	MRD 1	MRD 2	MRD 3	XTE 1	XTE 2	RCD	MRT	KLA 1	KLA 2	STD	ISD	SPL	
FROM																								
CNT 1						49.62	48.62	48.31	27.88	16.55	25.92	49.21	49.21	11.40	49.78	23.47	47.95	17.53	49.83	8.50	285	95	10.5	
CNT 2						48.62	48.62	48.31	27.88	16.55	25.92	49.21	49.21	11.40	49.78	23.47	47.95	17.53	49.83	8.50	285	95	10.5	
CNT 3						48.62	48.62	48.31	27.88	16.55	25.92	49.21	49.21	11.40	49.78	23.47	47.95	17.53	49.83	8.50	285	95	10.5	
CNT 4						48.62	48.62	48.31	27.88	16.55	25.92	49.21	49.21	11.40	49.78	23.47	47.95	17.53	49.83	8.50	285	95	10.5	
CNT 5						33.33	33.33	33.33	18.91	11.34	17.76	33.73	33.73	7.81	34.12	16.09	32.86	12.02	34.16	5.83	198.6	66.2	7.3	
HVL 1									60.09	36.05	56.16	105.69	105.69	24.48	107.90	50.88	104.18	37.99	107.61	18.35	285	19	10.5	
HVL 2									60.09	36.05	56.16	105.69	105.69	24.48	107.90	50.88	104.18	37.99	107.61	18.35	285	19	10.5	
HVL 3									59.67	35.80	55.77	104.95	104.95	24.31	107.14	50.52	103.45	37.72	10.686	18.22	283.2	18.9	7.3	
MSL 1										30.96	58.66	58.66	58.66	12.59	60.67	28.61	58.71	21.47	60.51	10.32	285	19	10.5	
MSL 2										18.21	34.50	34.50	34.50	7.99	35.67	16.82	34.51	12.62	35.56	6.07	171	11.4	6.3	
XTE												55.31	55.31	12.81	55.71	26.27	51.69	13.61	55.65	9.49	150	10	5.5	
MRD 1															108.62	51.22	104.53	38.16	108.54	18.51	285	19	10.5	
MRD 2															108.62	51.22	104.53	38.16	108.54	18.51	285	19	10.5	
MRD 3															23.42	11.04	22.53	8.23	23.40	3.99	66	4.4	2.4	
XTE 1																	107.77	95.29	111.55	19.02	285	19	10.5	
XTE 2																	48.52	17.69	50.22	8.56	134.4	8.9	4.9	
RCD																		37.95	107.34	18.31	274.8	18.3	10.1	
MRT																			37.95	6.47	100.8	6.7	3.7	
KLA 1																					285	19	10.5	
KLA 2																						48.6	3.2	1.8
STD																								
ISD																								
SPL																								

Table 3-5 (1/3) Estimated Traffic and No. of Circuits Required (Colombo TSC) 1990

TO FROM	CNT 1	CNT 2	CNT 3	HVL 1	HVL 2	MNL 1	MNL 2	KPT	MRD 1	MRD 2	KTE	NGD	STD	ISD	SPL
CNT 1				112	80	67	8	36	113	25	100	61	306	112	18
CNT 2				112	80	67	8	36	113	25	100	61	306	112	18
CNT 3				106	76	63	8	34	107	24	94	58	290	106	17
HVL 1						144	15	75	246	51	218	130	306	29	18
HVL 2						96	11	50	162	35	144	87	211	22	14
MNL 1								43	134	30	122	75	306	29	18
MNL 2								6	13	4	12	9	29	5	4
KPT									67	17	60	37	94	11	7
MRD 1											220	131	306	29	18
MRD 2											40	26	62	9	6
KTE												115	265	26	17
NGD														161	17
STD															
ISD															
SPL															

Table 3-5 (2/3) Estimated Traffic and No. of Circuits Required (Colombo TSC) 1995

TO FROM	CNT 1	CNT 2	CNT 3	CNT 4	CNT 5	HVL 1	HVL 2	HVL 3	MNL 1	MNL 2	KPT	MRD 1	MRD 2	MRD 3	KTE 1	KTE 2	NGD	MRT	KLA 1	KLA 2	STD	ISD	SLP
CNT 1						59	59	59	36	24	34	60	60	18	80	32	58	25	80	14	306	112	18
CNT 2						59	59	59	36	24	34	60	60	18	60	32	58	25	60	14	306	112	18
CNT 3						59	59	59	36	24	34	60	60	18	60	32	58	25	60	14	306	112	18
CNT 4						59	59	59	36	24	34	60	60	18	60	32	58	25	60	14	306	112	18
CNT 5						43	43	43	26	18	25	43	43	13	44	24	42	19	44	11	214	81	14
HVL 1									71	46	67	118	118	33	120	61	117	47	120	26	306	29	18
HVL 2									71	46	67	118	118	33	120	61	117	47	120	26	306	29	18
HVL 3									70	45	66	117	117	33	120	61	116	47	119	26	305	28	14
MNL 1											39	69	69	20	71	37	69	30	71	17	306	29	18
MNL 2											26	44	44	13	45	24	44	19	45	12	191	19	13
KPT												66	66	19	66	35	64	27	66	16	170	18	12
MRD 1															121	62	117	48	121	26	306	29	18
MRD 2															121	62	117	48	121	26	306	29	18
MRD 3															32	16	31	14	32	8	81	10	7
KTE 1																	120	49	124	27	306	29	18
KTE 2																	59	25	61	14	153	16	10
NGD																		47	120	26	295	28	18
MRT																			47	12	117	13	9
KLA 1																					306	29	18
KLA 2																					62	8	6
STD																							
ISD																							
SLP																							

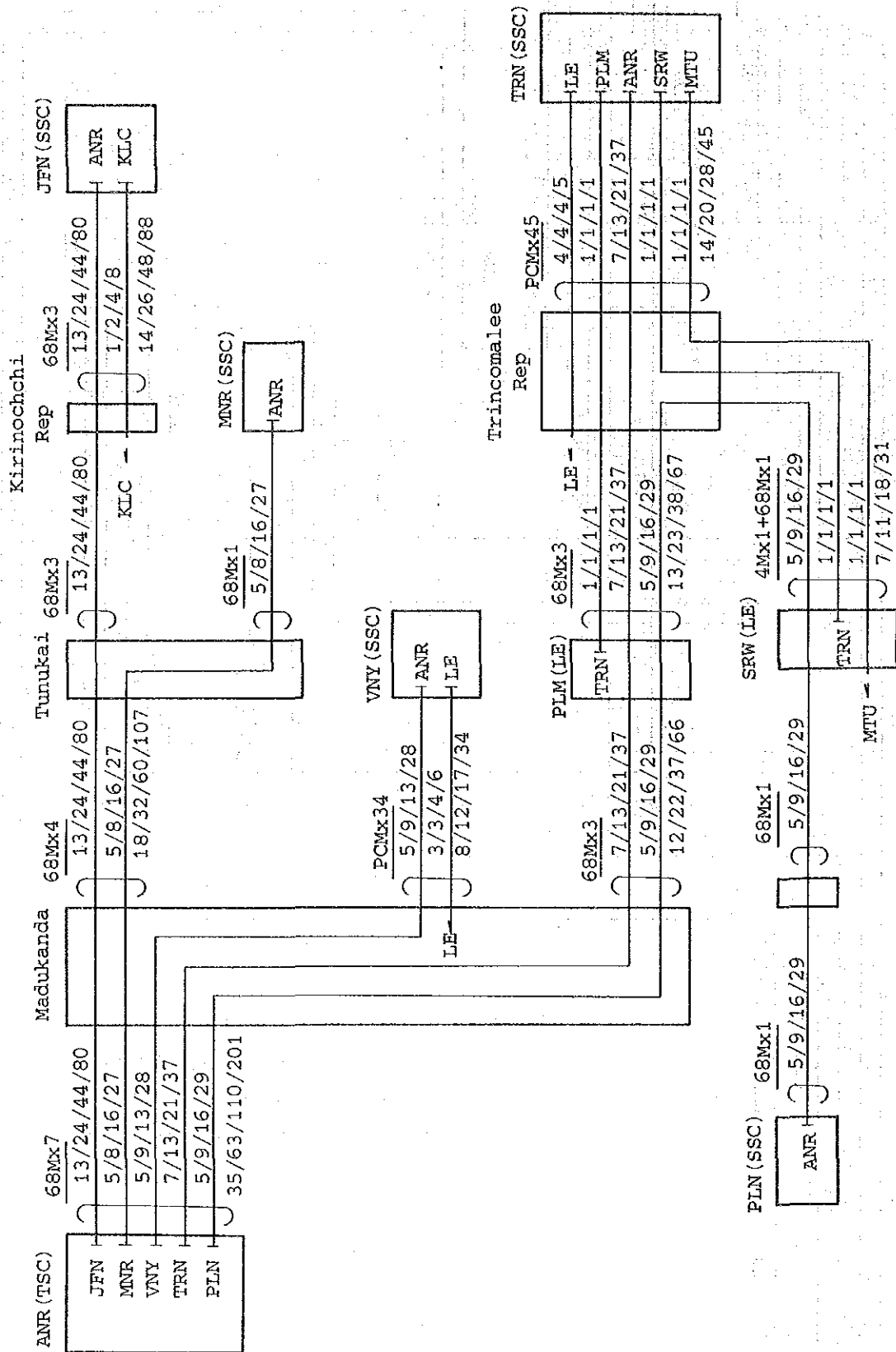


Figure 3-2 Circuit Grouping Diagram (Colombo TSC)

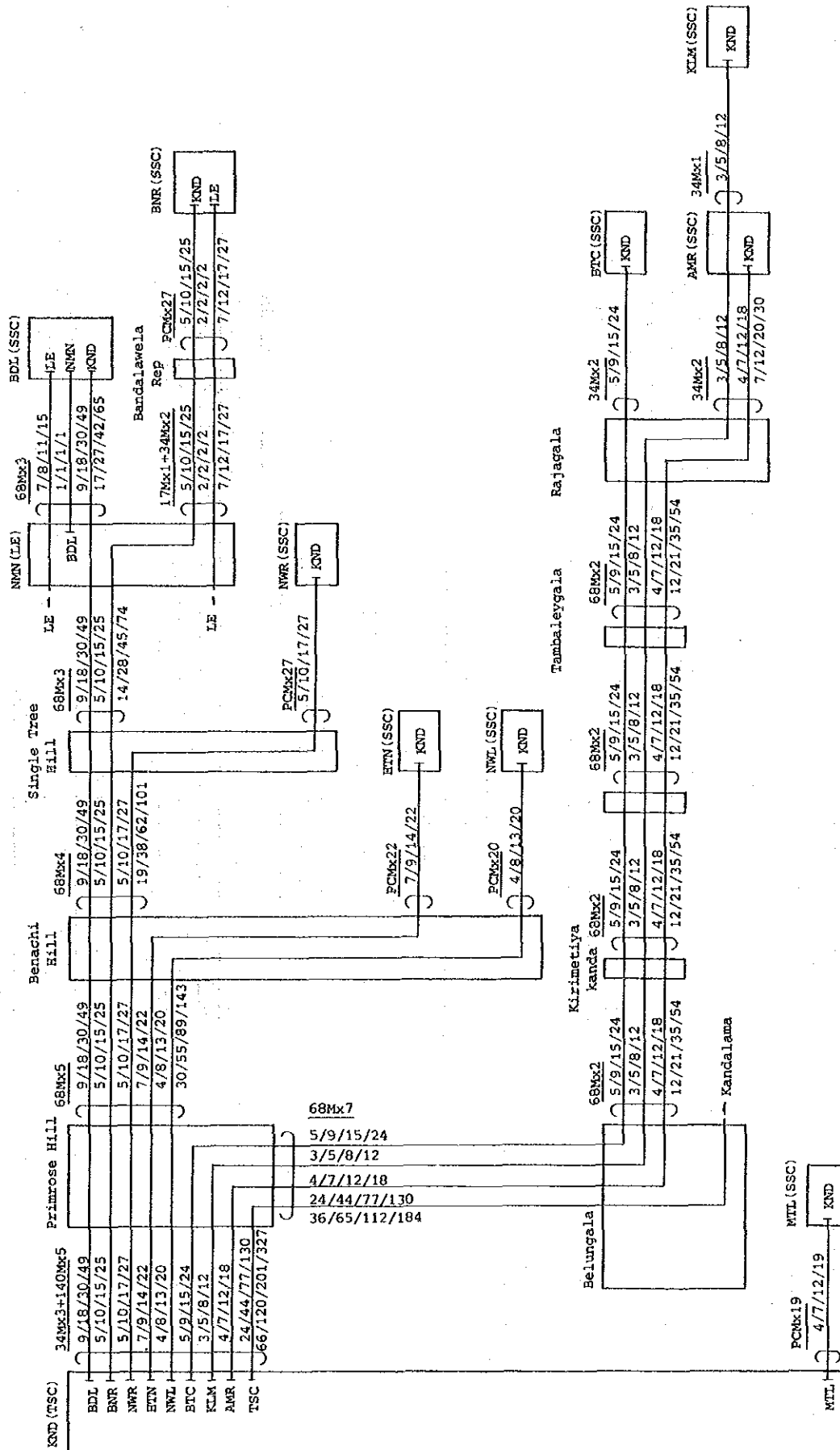


Figure 3-3 Circuit Grouping Diagram (Kandy TSC)

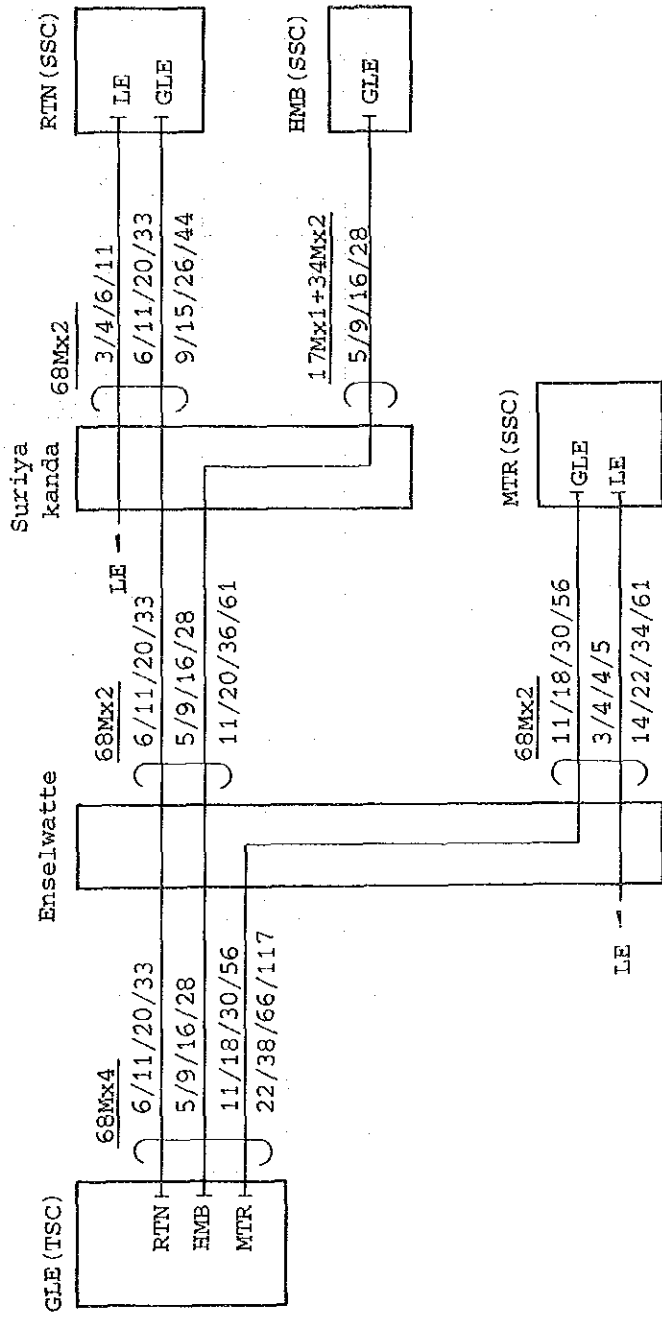


Figure 3-5 Circuit Grouping Diagram (Galle TSC)

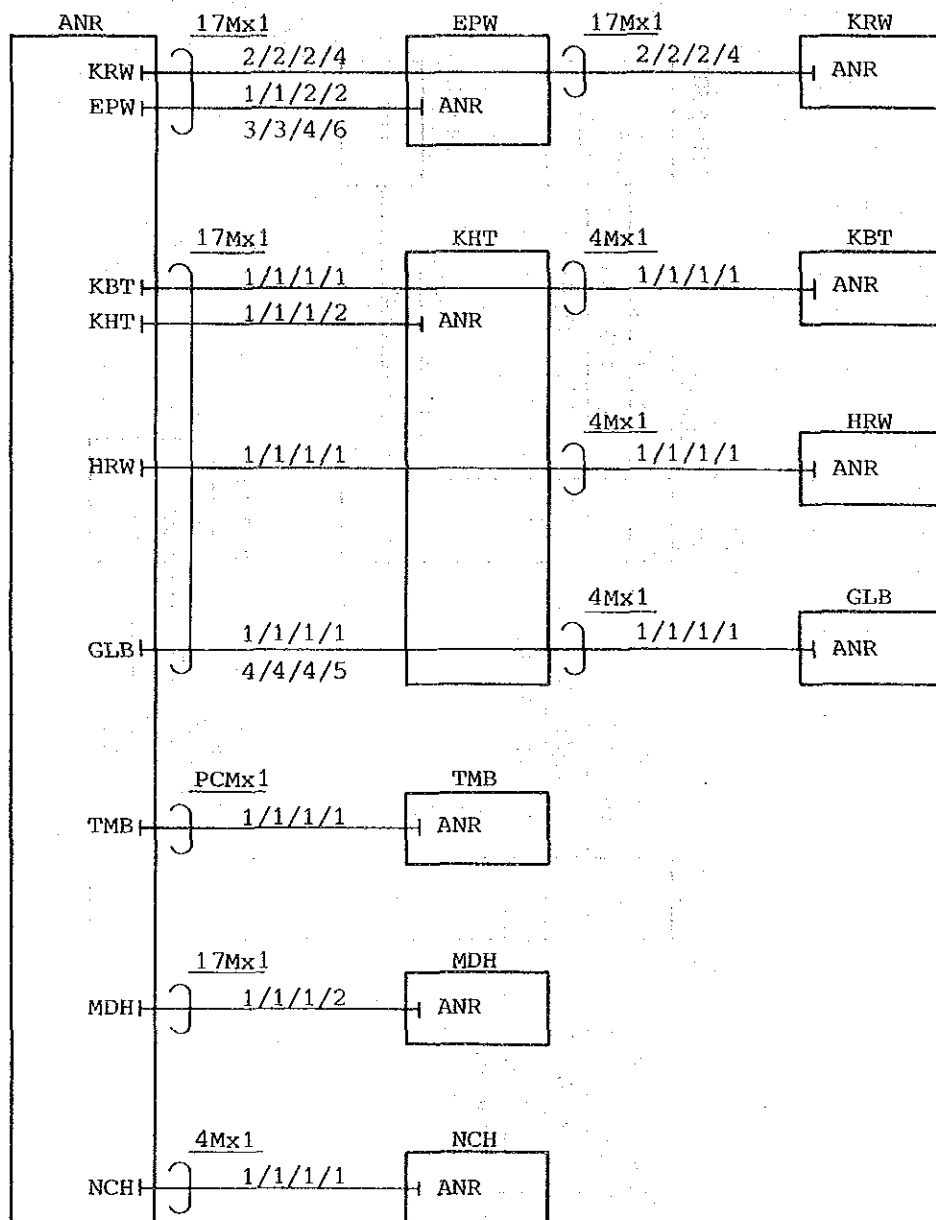


Figure 3-6 (1/27) Circuit Grouping Diagram
(ANURADHAPURA SSC AREA)

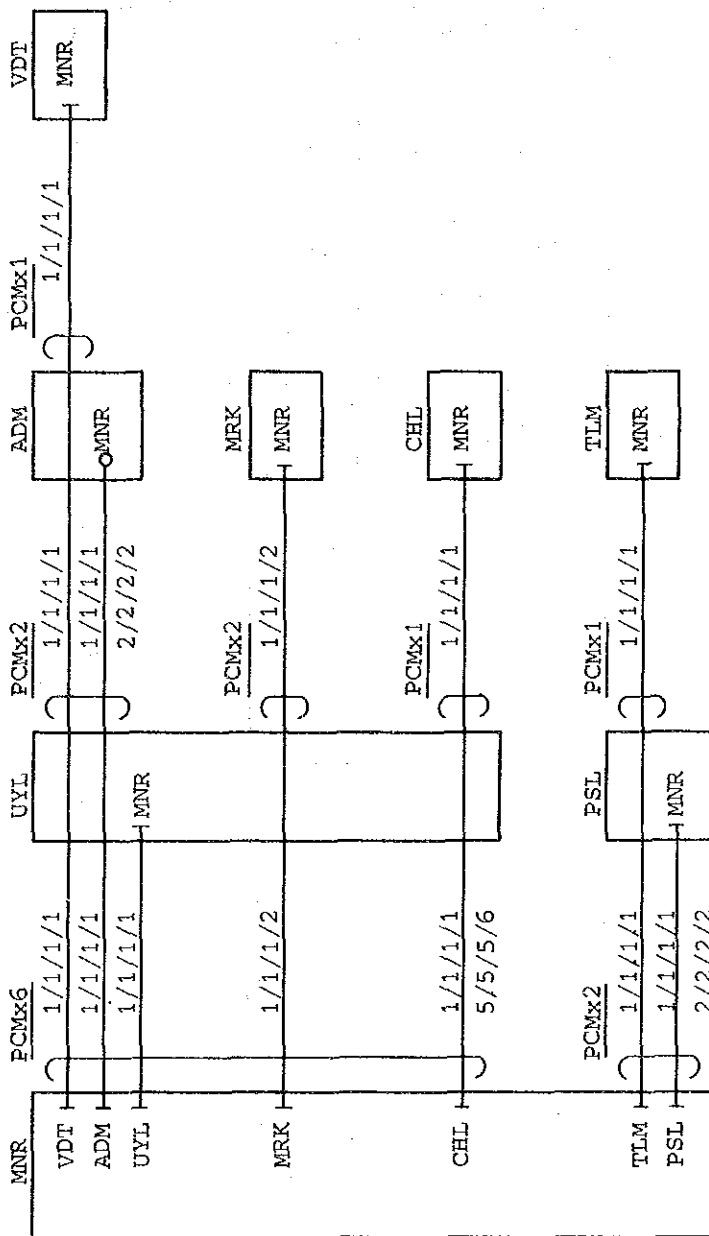


Figure 3-6. (2/27) Circuit Grouping Diagram
(MANNAR SSC AREA)

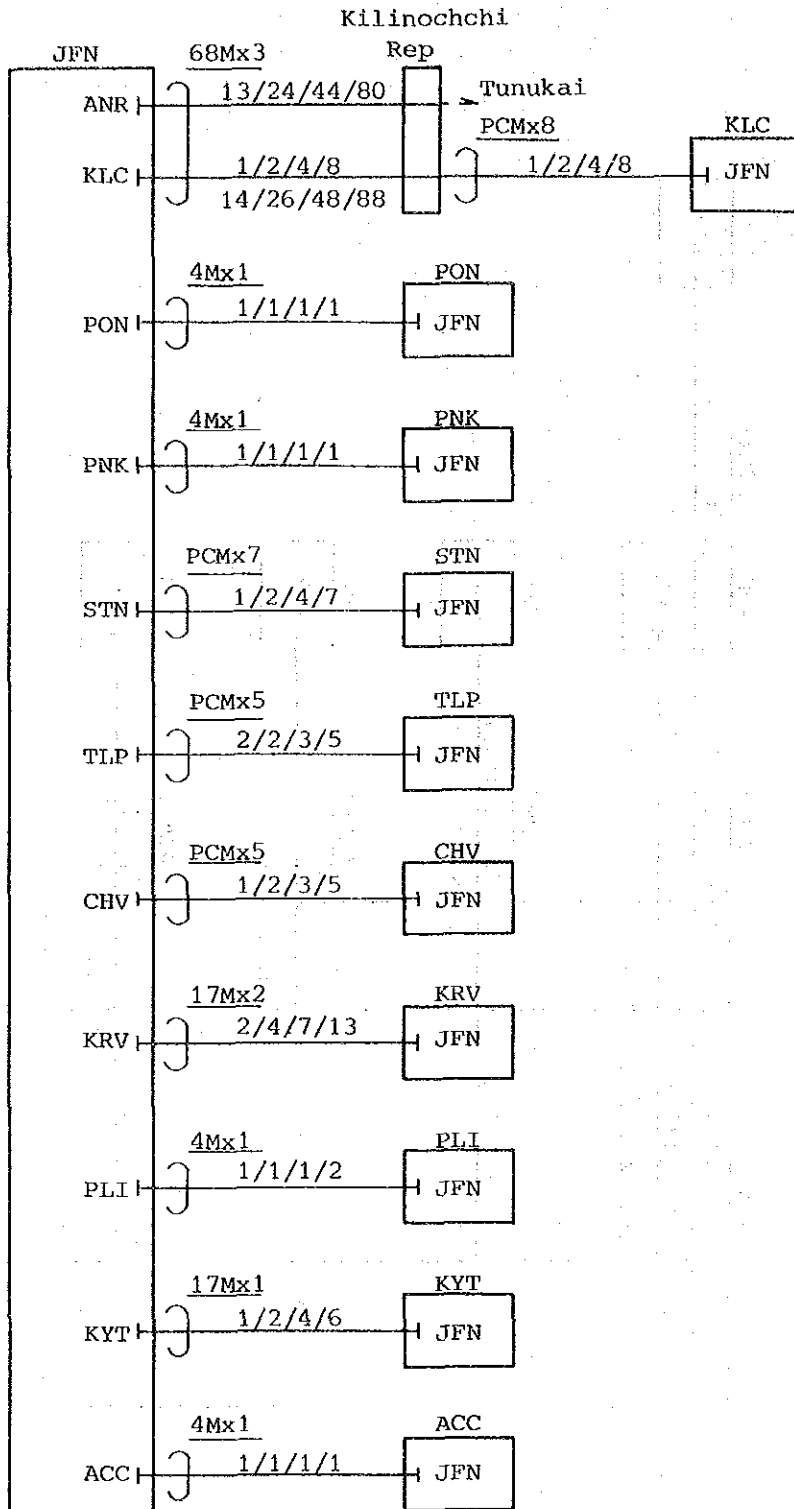


Figure 3-6 (3/27) Circuit Grouping Diagram
(JAFFNA SSC AREA)

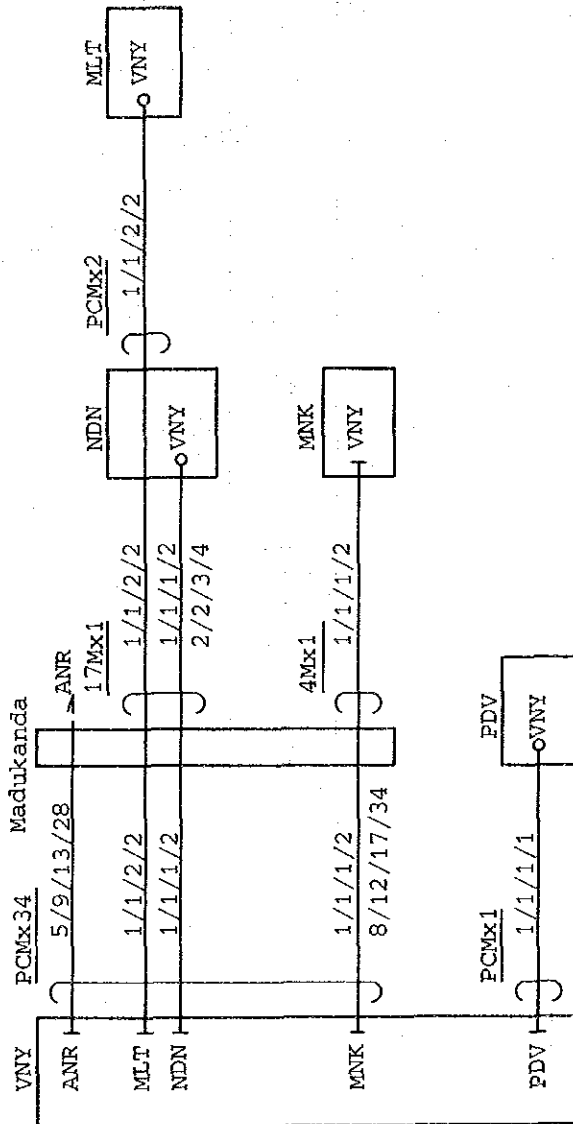


Figure 3-6 (4/27) Circuit Grouping Diagram
(VAVUNIYA SSC AREA)

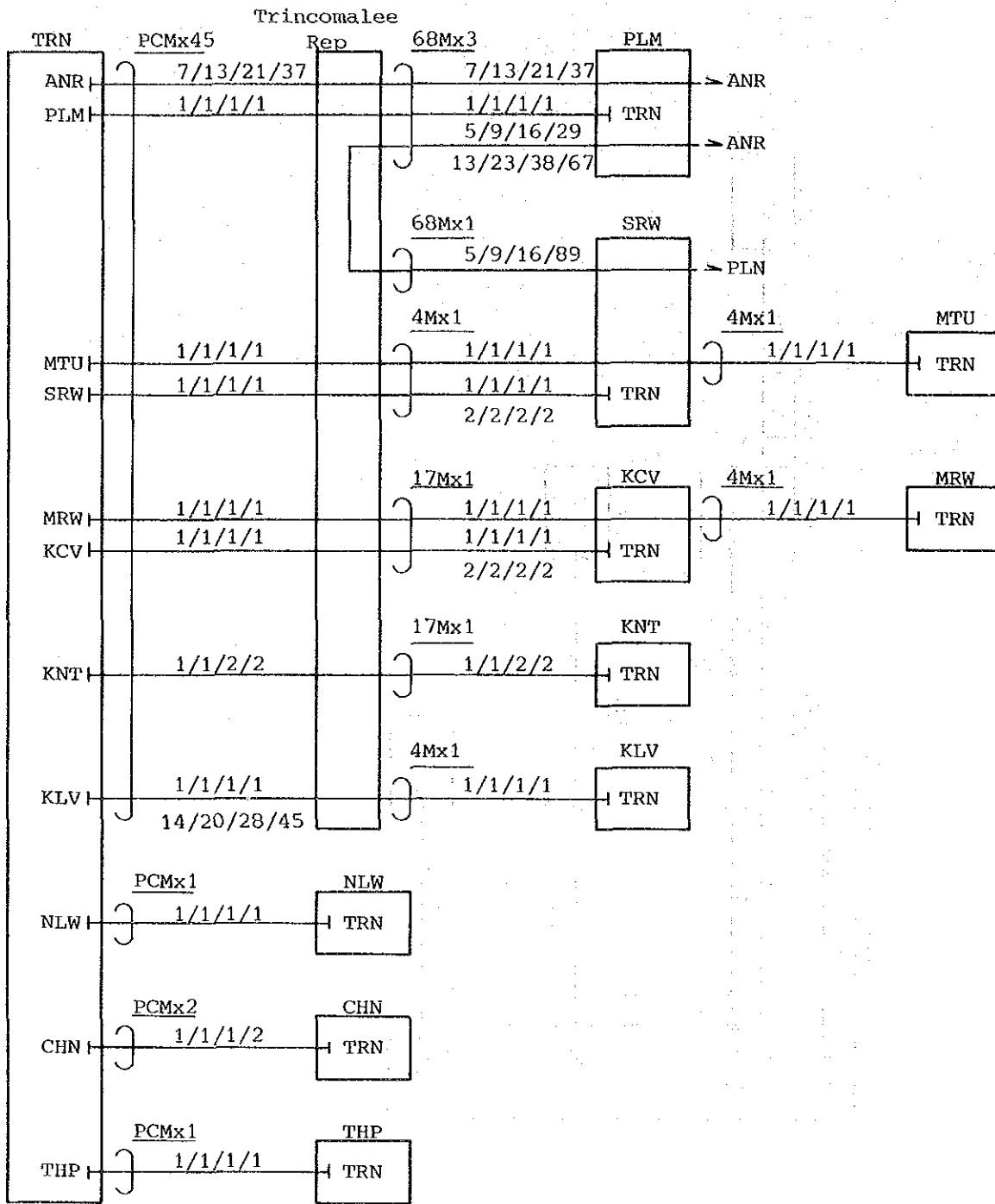


Figure 3-6 (5/27) Circuit Grouping Diagram
(TRINCOMALEE SSC AREA)

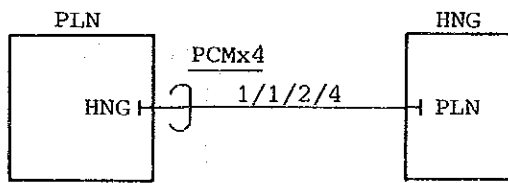


Figure 3-6 (6/27) Circuit Grouping Diagram
(POLONNARUWA SSC AREA)

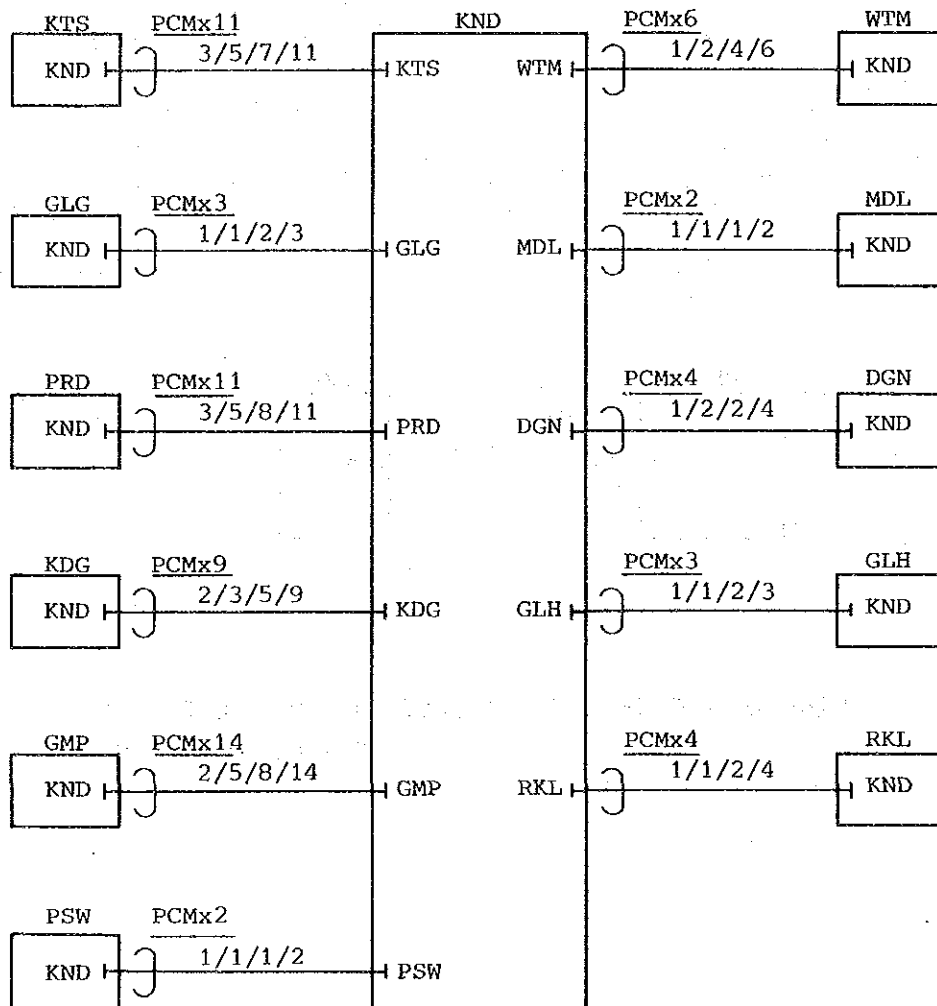


Figure 3-6 (7/27) Circuit Grouping Diagram
(KANDY SSC AREA)

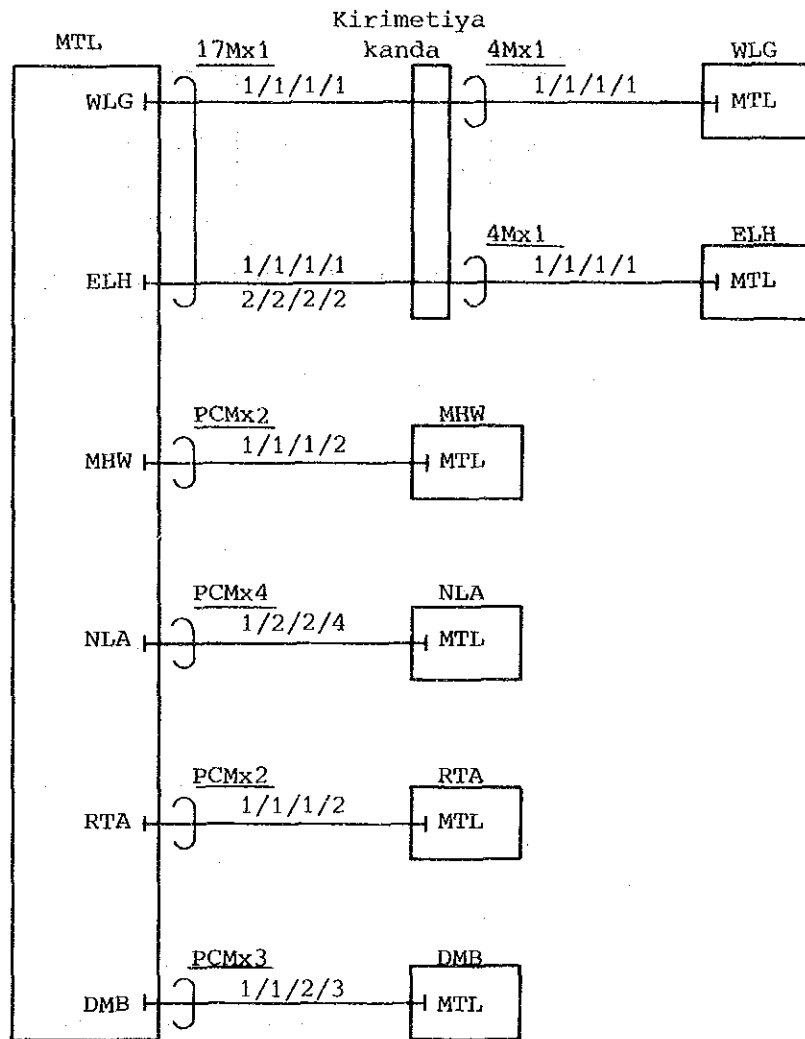


Figure 3-6 (8/27) Circuit Grouping Diagram
(MATALE SSC AREA)

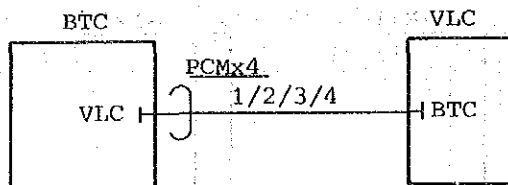


Figure 3-6 (9/27) Circuit Grouping Diagram
(BATTICALOA SSC AREA)

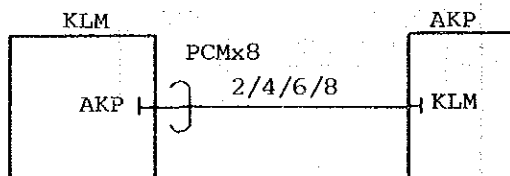


Figure 3-6 (10/27) Circuit Grouping Diagram
(KALMUNAI SSC AREA)

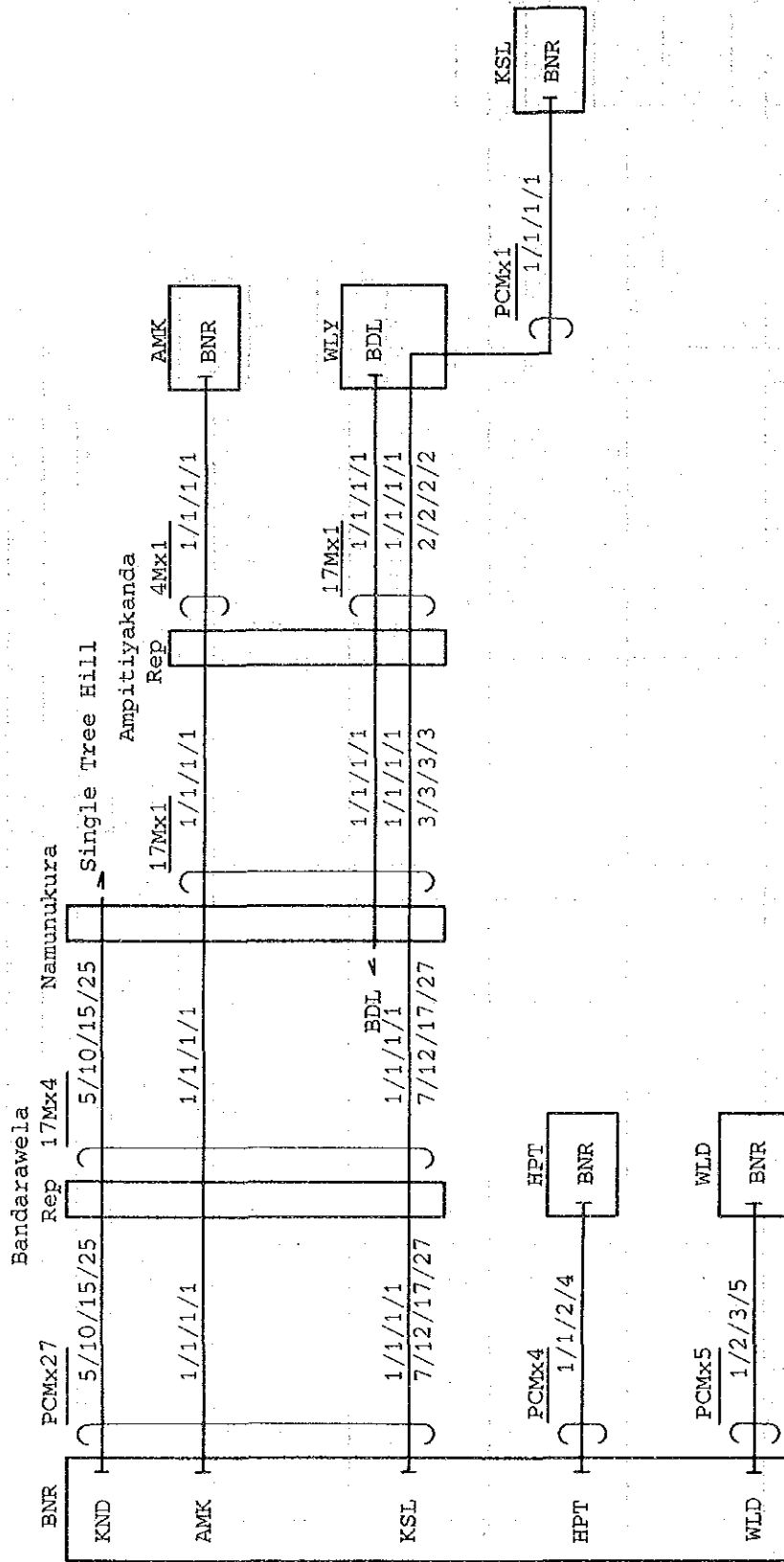


Figure 3-6 (12/27) Circuit Grouping Diagram
(BANDALAWELA SSC AREA)

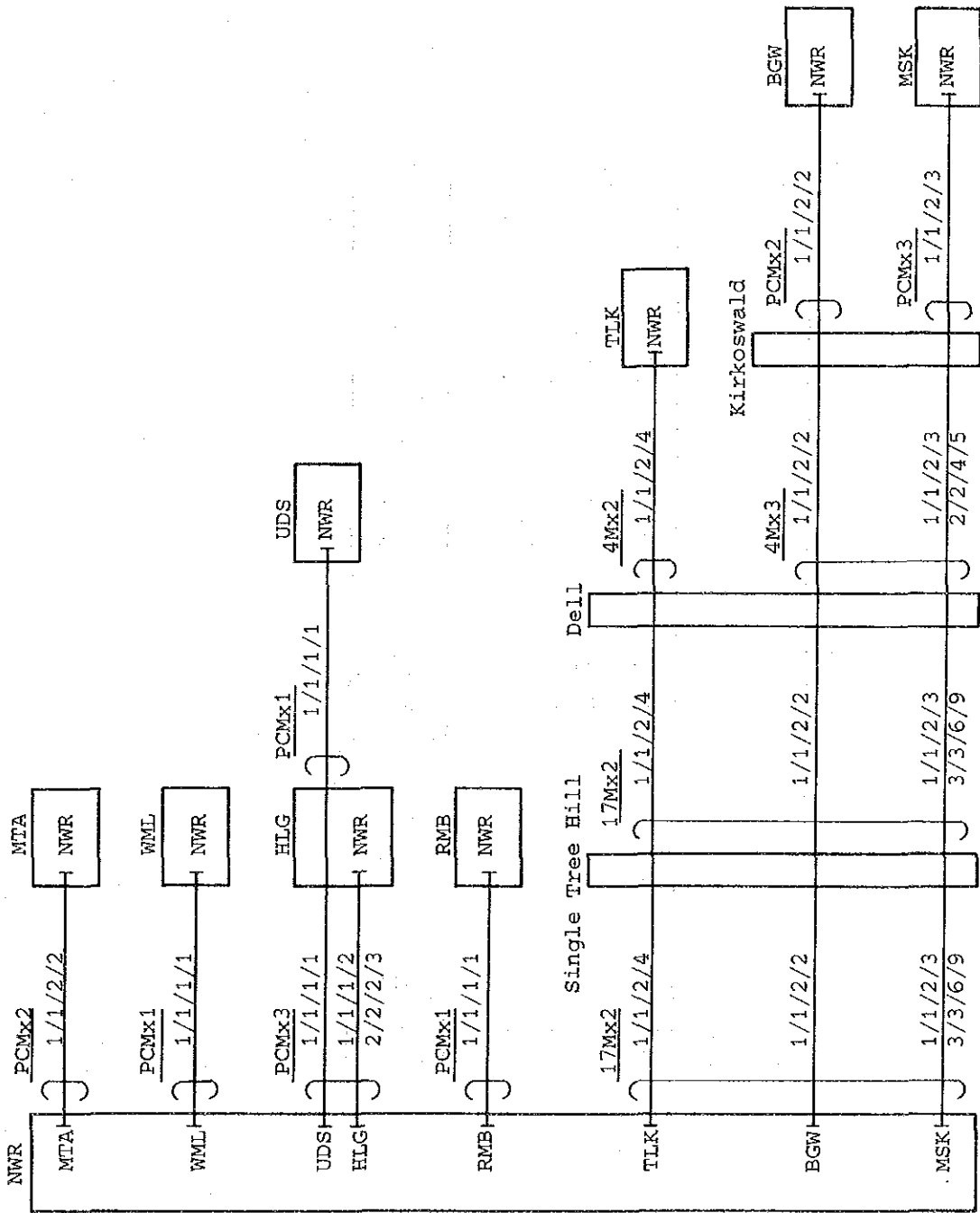


Figure 3-6 (13/27) Circuit Grouping Diagram
(NUWARA-ELIYA SSC AREA)

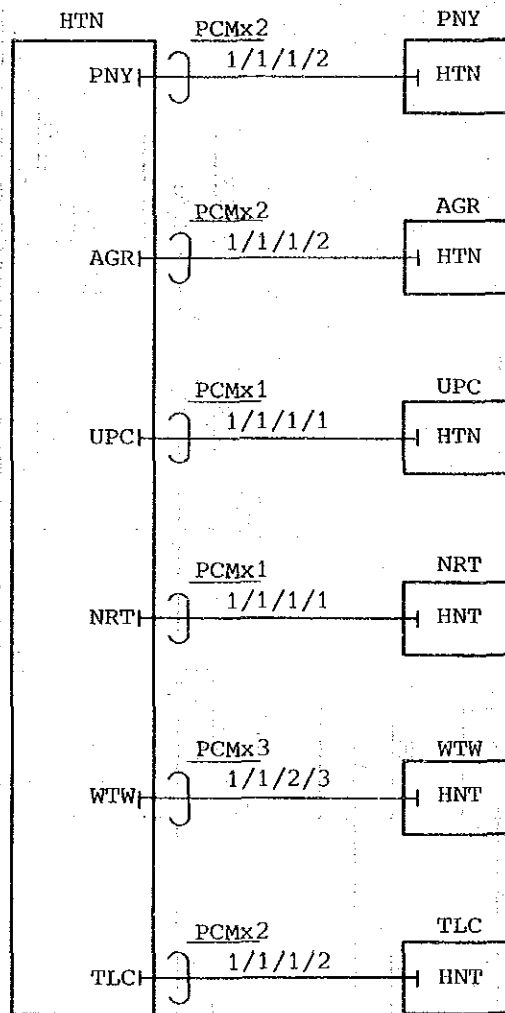


Figure 3-6 (14/27) Circuit Grouping Diagram
(HATTON SSC AREA)

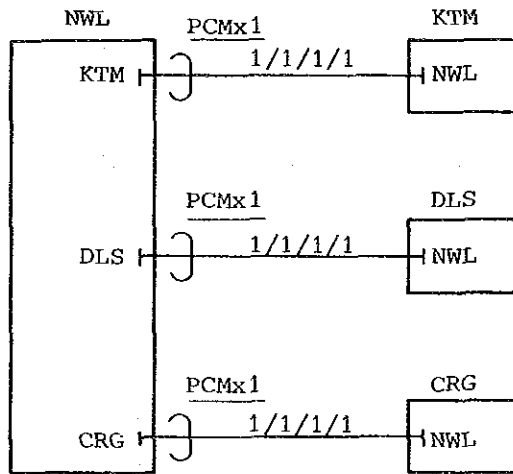


Figure 3-6 (15/27) Circuit Grouping Diagram
(NAWALAPITIYA SSC AREA)

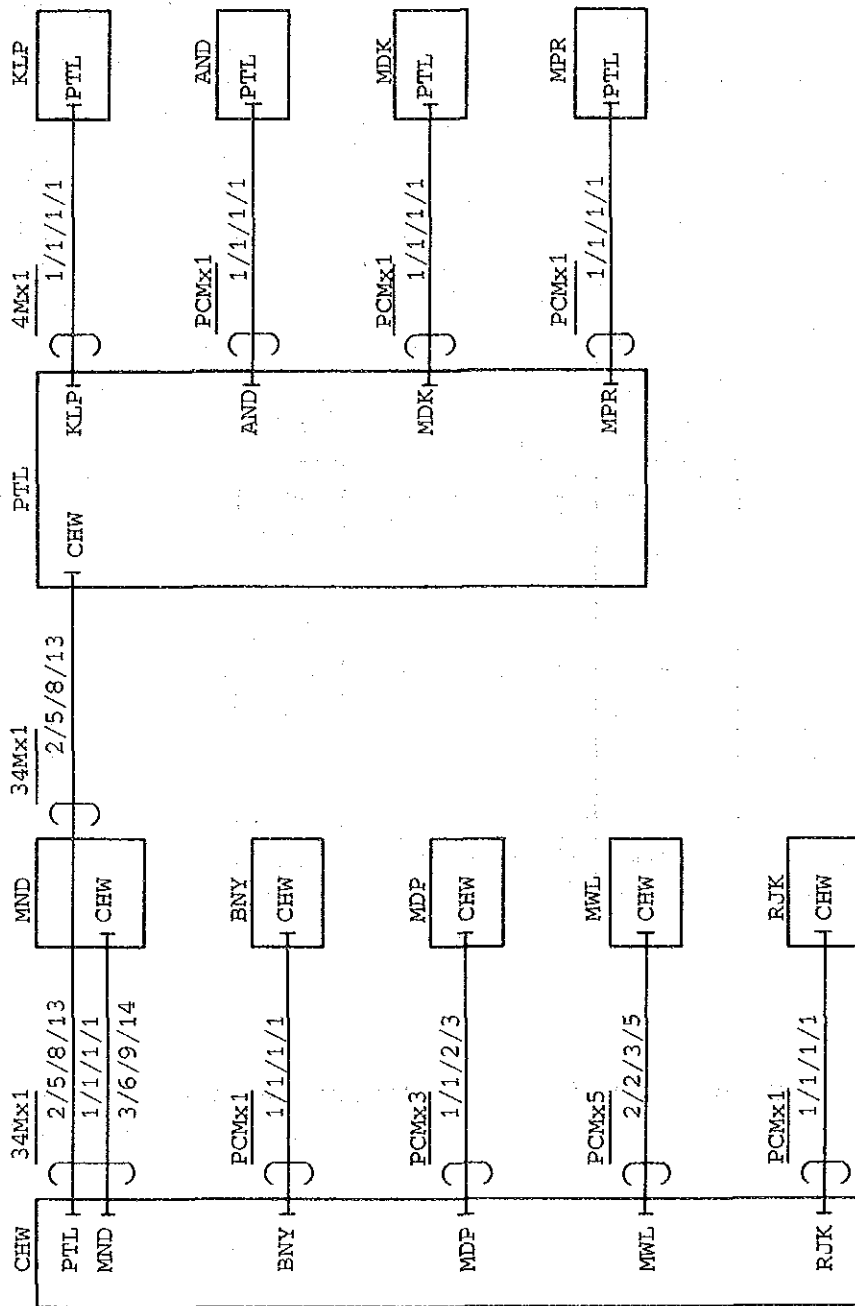


Figure 3-6 (16/27) Circuit Grouping Diagram
(CHILAW SSC AREA)

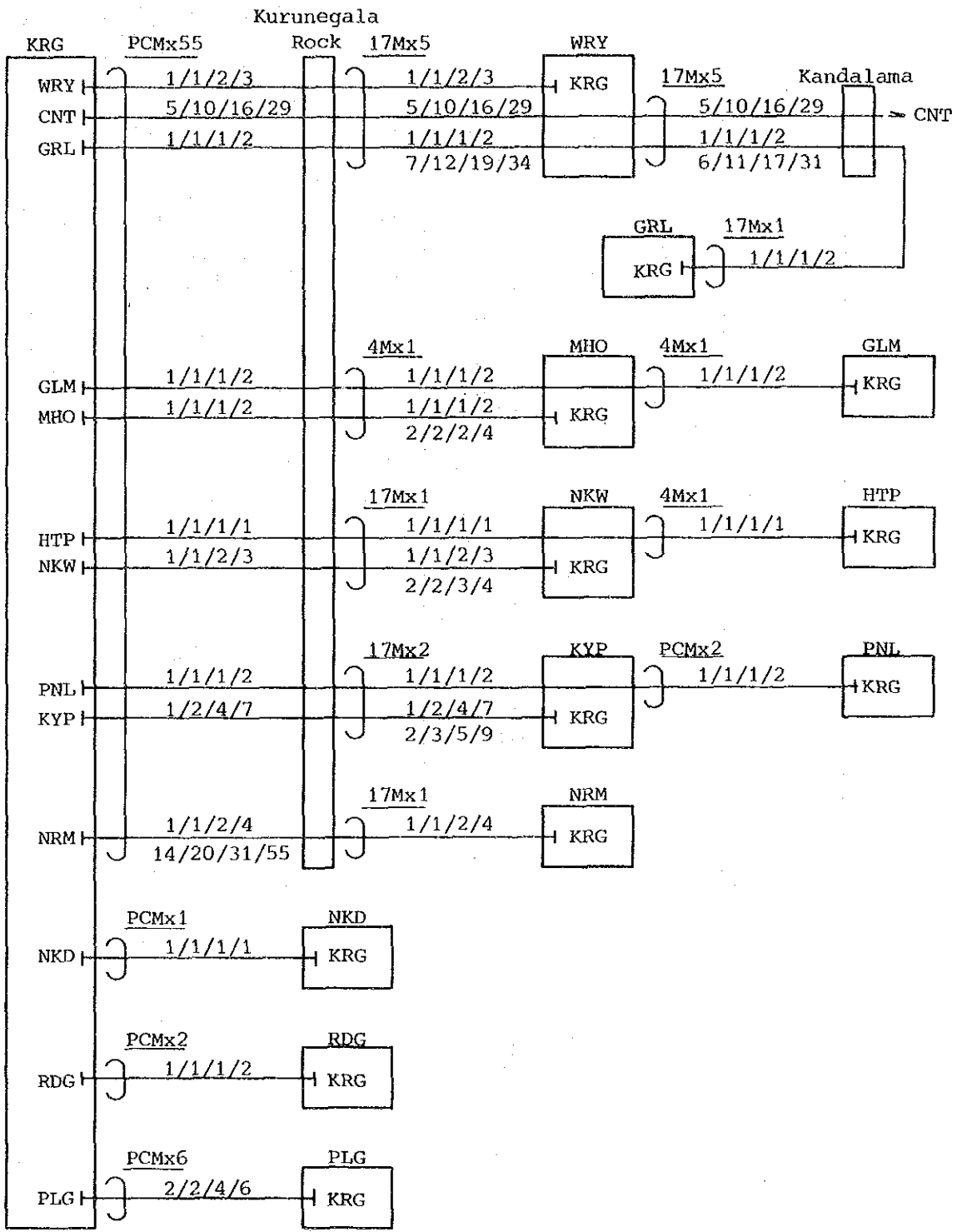


Figure 3-6 (17/27) Circuit Grouping Diagram
(KURUNEGALA SSC AREA)

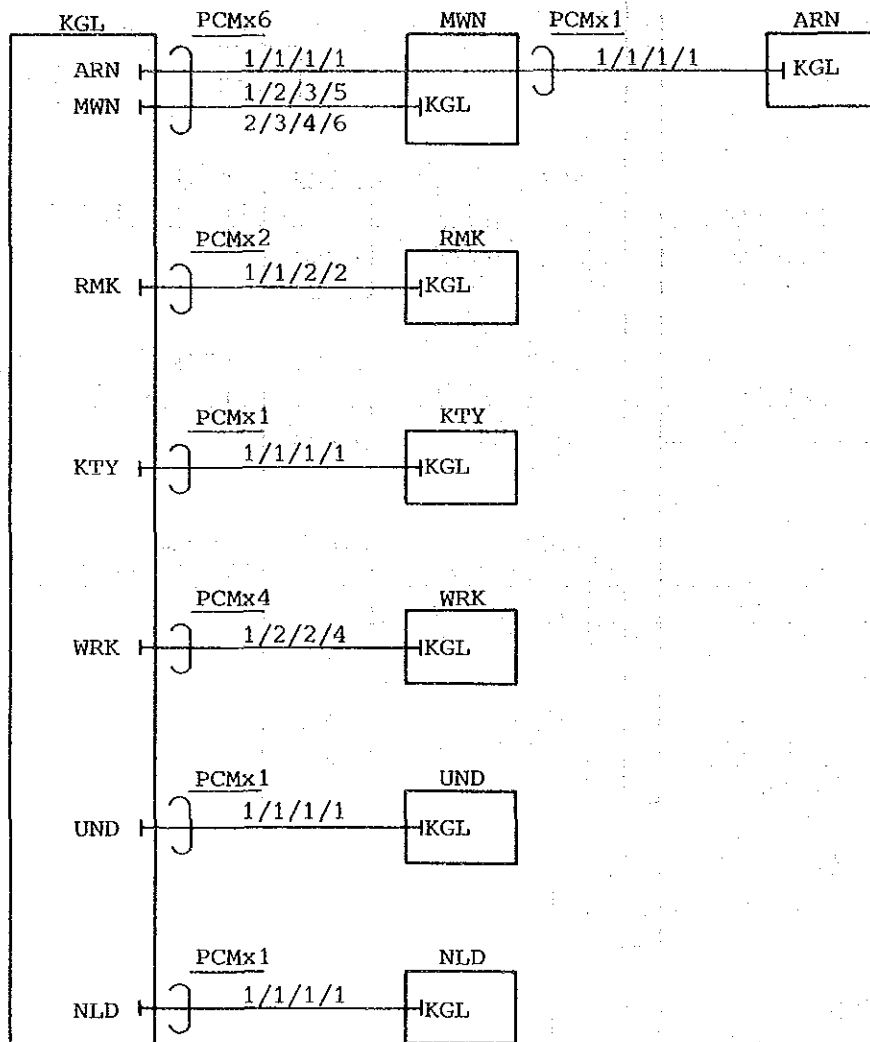


Figure 3-6 (18/27) Circuit Grouping Diagram
(KEGALLE SSC AREA)

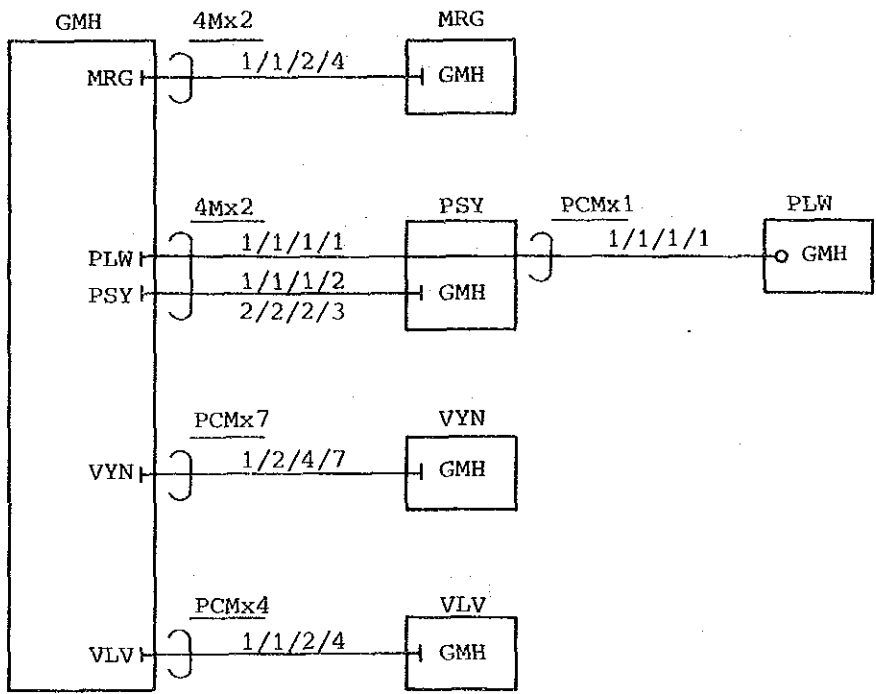


Figure 3-6 (19/27) Circuit Grouping Diagram
(GAMPAHA SSC AREA)

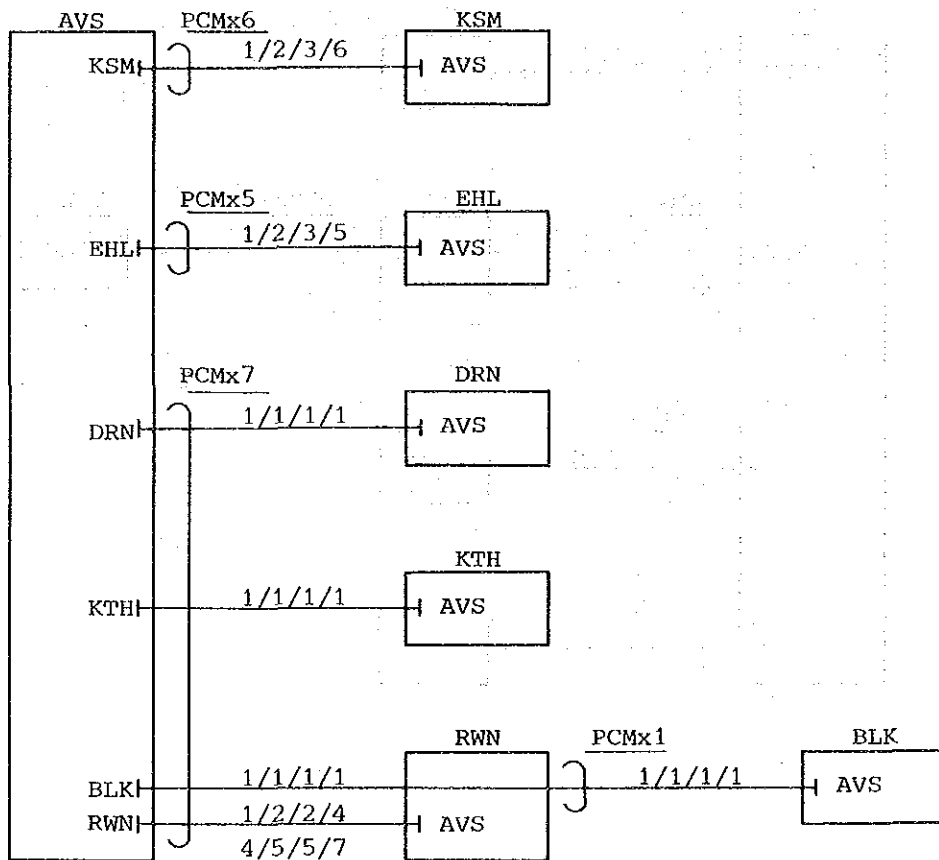


Figure 3-6 (20/27) Circuit Grouping Diagram
(AVISSAWELLA SSC AREA)

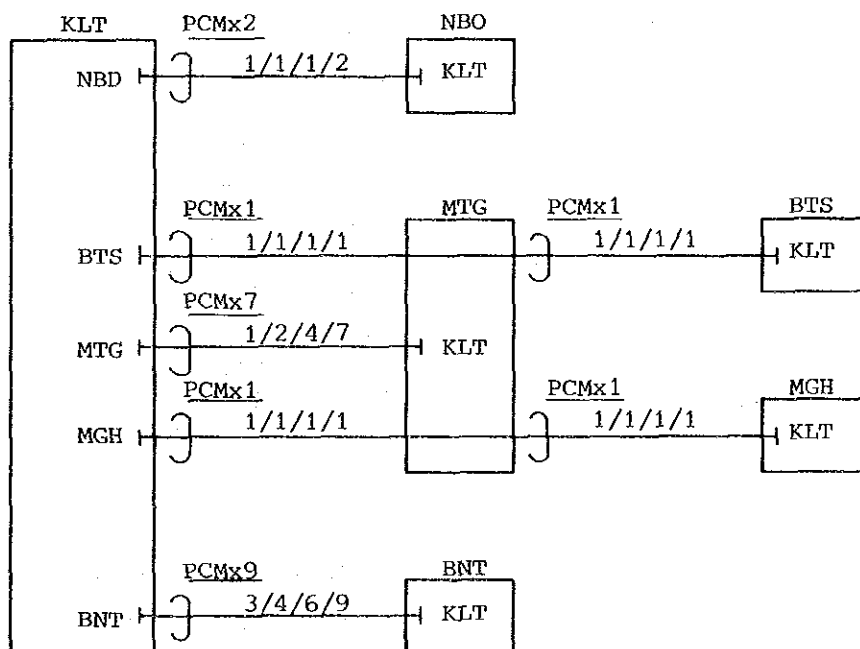


Figure 3-6 (21/27) Circuit Grouping Diagram
(KALUTARA SSC AREA)

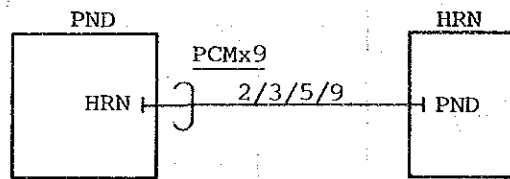


Figure 3-6 (22/27) Circuit Grouping Diagram
(PANADURA SSC AREA)

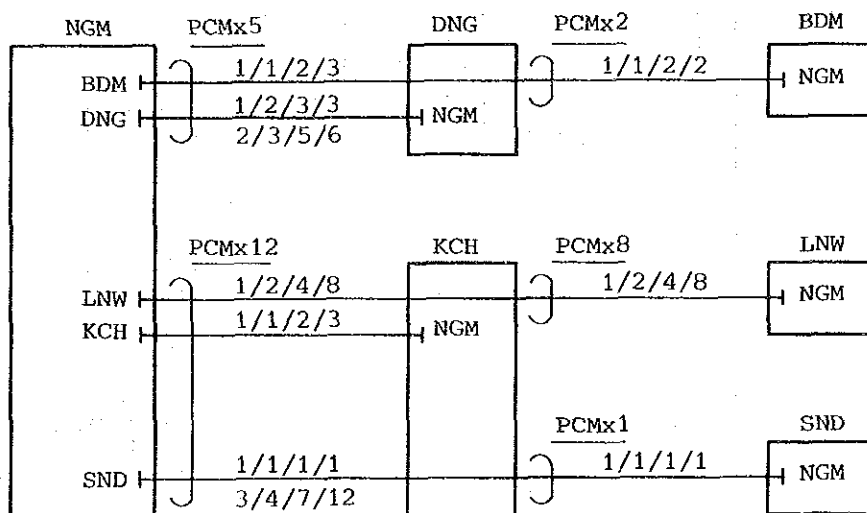


Figure 3-6 (23/27) Circuit Grouping Diagram
(NEGOMBO SSC AREA)

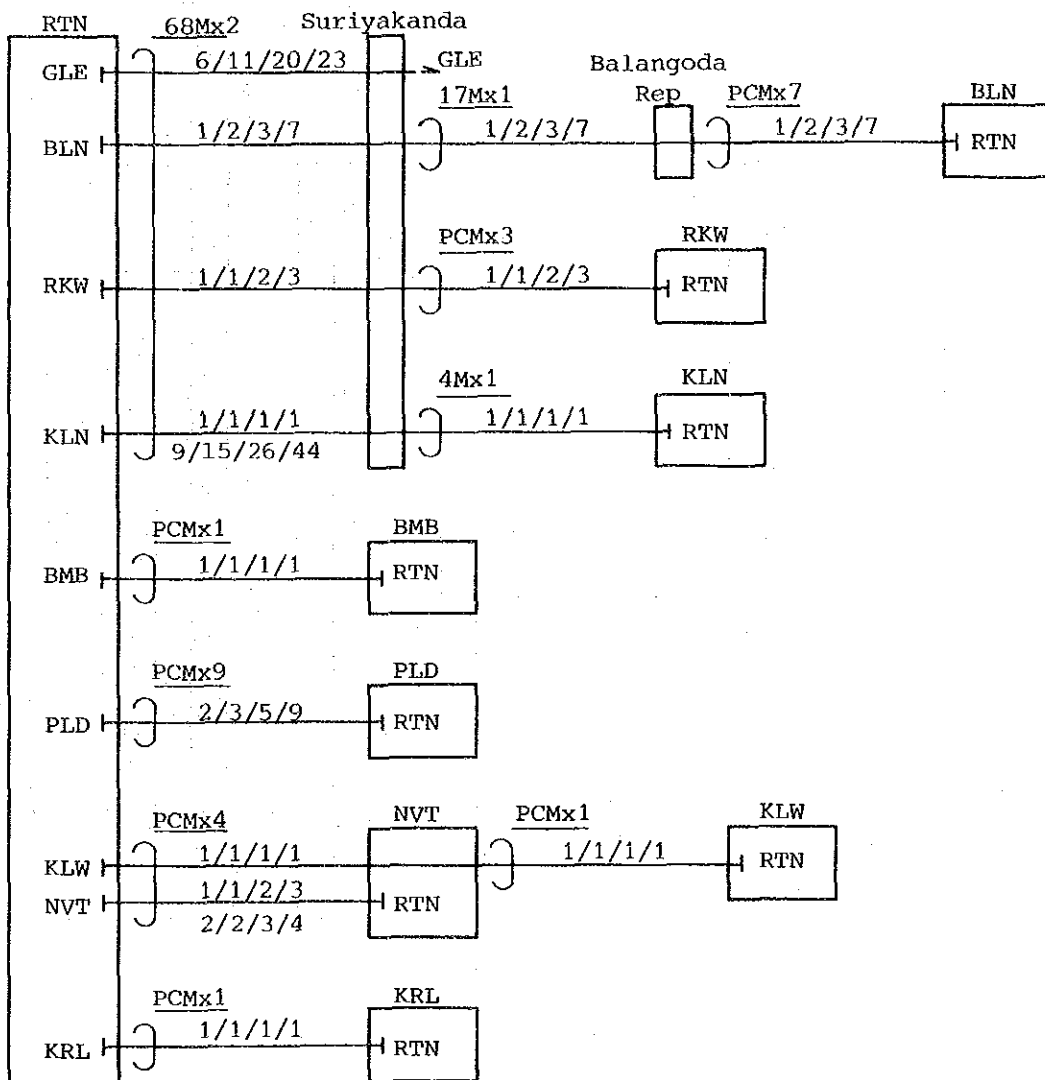


Figure 3-6 (25/27) Circuit Grouping Diagram
(RATNAPURA SSC AREA)

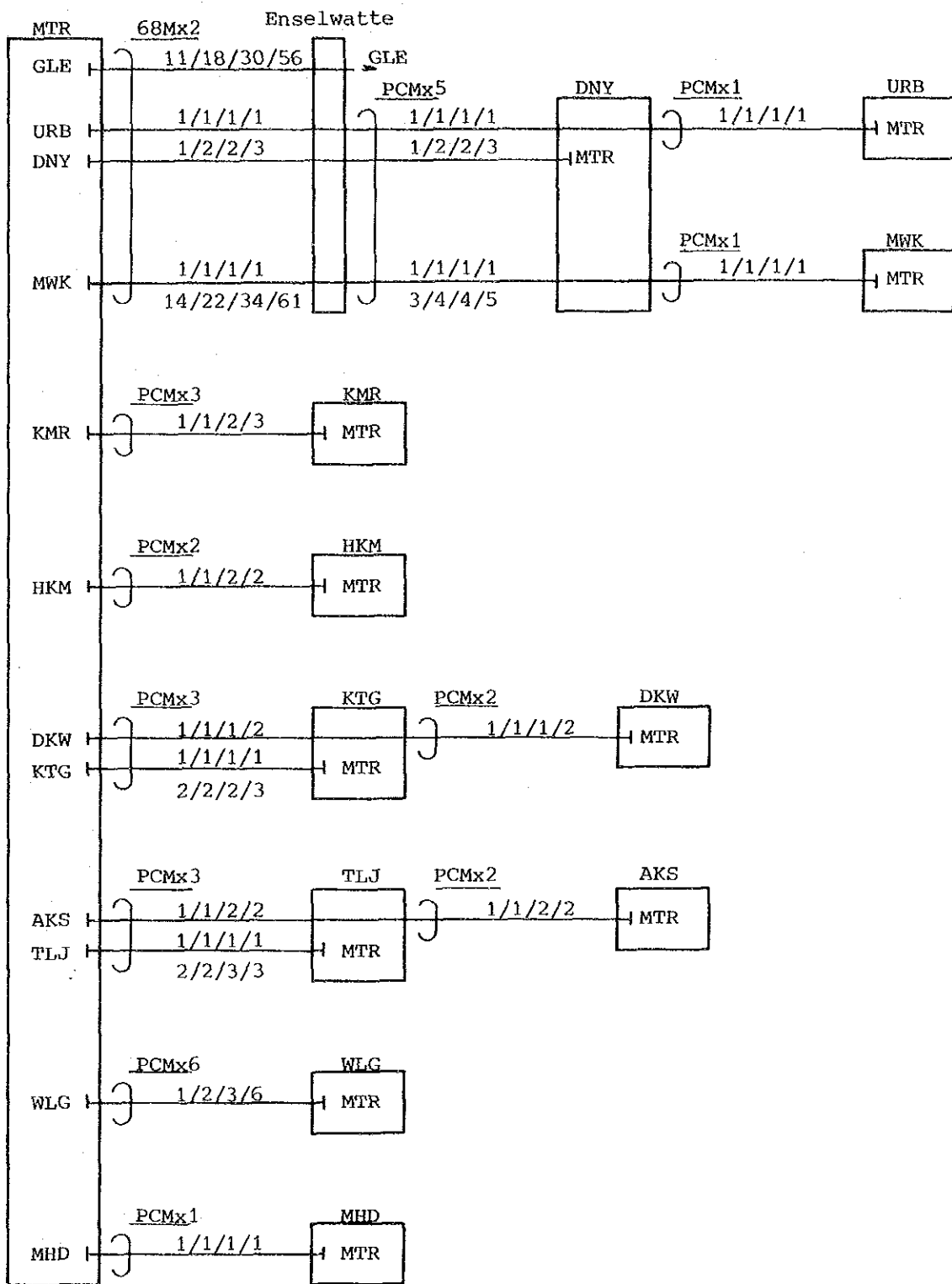


Figure 3-6 (27/27) Circuit Grouping Diagram
(MATARA SSC AREA)

