



NATIONAL TRANSMISSION CORPORATION
Luzon Operations and Maintenance
District I / Ilocos Area / Laoag Substation

DAILY OPERATING LOGSHEET

TRANSMISSION LINES AND FEEDERS
AND STATION SERVICE

Date of Effectivity
December 1, 2005

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DATE/DAY: May 24, 2006 / Monday

MAX.	73KV	-	-	-	-	-	-	-	-	-	-	490V	-	-	MAX.		
MIN.	66KV	-	-	-	-	-	-	-	-	-	-	410V	-	-	MIN.		
BANGUI-LAOAG 69 KV LINE (58LG4)																	
TIME	13.8 KV FEEDERS										STATION SERVICE						
	(10 MVA TRANSFORMER)										Please check appropriate bar which METER SERVICE is ON						
	FEEDER 1 (21LG4)					FEEDER 2 (22LG4)					AUXILIARY SWITCHGEAR		KWH		TIME		
	KV	BA	I-B	I-C	MW	MVAR	+MWH	-MWH	I-A	I-B	I-C	I-A	I-B	I-C	KV	AMP	V
0000H	71	9	8	7	-21	1.1	619	39083				125	120	125	14.9	50	950
0100H	72	9	10	9	0.24	1.05		052	110	105	110	110	105	110	14.5	28	490
0200H	71	9	8	7	0.23	1.01		083	102	100	102	97	95	98	14.5	26	490
0300H	72	9	8	7	0.17	-1.1		083	97	95	98	97	90	92	14.4	29	490
0400H	71	9	8	7	0.19	-1.2		083	89	88	85	89	80	85	14.4	22	490
0500H	71	9	8	7	0.17	-1.1		083	85	80	85	85	80	85	14.4	20	490
0600H	71	9	10	9	0.17	-1.16		083	85	80	85	85	80	85	14.4	19	490
0700H	71	9	10	9	0.15	1.19		083	80	80	80	80	80	80	14.4	18	490
0800H	70	18	17	20	2.46	0.39	67	083	100	100	102	100	100	102	14.1	22	470
0900H	69	8	8	8	0.21	-0.47		083	82	87	86	82	87	86	14.9	26	469
1000H	70	-	-	-	-	-			110	104	110	110	104	110	14.0	28	470
1100H	70	-	-	-	-	-			11	104	110	110	104	110	14.0	28	470
1200H	70	-	-	-	-	-			110	104	110	110	104	110	14.0	28	470
1300H	71	-	-	-	-	-			110	104	110	110	104	110	14.1	28	470
1400H	70	-	-	-	-	-			110	104	110	110	104	110	14.1	28	470
1500H	70	-	-	-	-	-			110	104	110	110	104	110	14.1	28	470
1600H	71	-	-	-	-	-			110	104	110	110	104	110	14.1	28	470
1700H	-	-	-	-	-	-			102	102	102	102	102	102	14.2	26	471
1800H	-	-	-	-	-	-			104	98	104	104	98	104	14.4	24	480
1900H	69	164	167	167	16.55	0.29	672	39083	112	105	108	112	105	108	14.4	24	480
2000H	69	163	165	165	17.80	0.33	692	39090	196	185	200	196	185	200	15.3	40	473
2100H	70	163	165	165	18.07	7.25	692	100	200	200	217	200	200	217	15.3	50	475
2200H	72	11	12	14	1.50	-0.43	692	126	195	190	202	195	190	202	14.0	40	470
2300H	72	10	8	8	0.22	-1.03	692	145	140	146	150	140	146	150	14.2	35	480
2400H	72	10	9	9	-1.10	-0.79	692	39145	127	127	134	127	127	134	14.4	30	480
MAX.	72	164	167	167	18.07	7.29	IN-2	62	200	200	217	200	200	217	14.4	50	470
MIN.	69	8	8	9	0.17	-1.19	3	<-OUT	80	80	80	80	80	80	13.8	18	474



NATIONAL TRANSMISSION CORPORATION
North Luzon Operations and Maintenance
District I / Ilocos Area / Laoag Substation

DAILY OPERATING LOG SHEET
TRANSMISSION LINES AND FEEDERS
AND STATION SERVICE

Date of Effectivity
December 1, 2007

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DATE/DAY: June 30, 2006 / Friday

TIME	BANGUIL-LAOAG 69 KV LINE (58LG4)										13.8 KV FEEDERS (10 MVA TRANSFORMER)										STATION SERVICE				TIME					
MAX.	73KV	-	-	-	-	-	-	-	-	-	14.5KV	-	-	-	-	490V	-	-	-	MAX.										
MIN.	66KV	-	-	-	-	-	-	-	-	-	13.1KV	-	-	-	-	410V	-	-	-	MIN.										
Please check appropriate box which station service is in use																														
☐ T1 20MVA TRAFO (150 KVA) ☒ T2 50 MVA TRAFO (150 KVA)																														
FEEDER 1 (21LG4)										FEEDER 2 (22LG4)										AUXILIARY SWITCHGEAR		V			AMP		KWH			
I-A I-B I-C										I-A I-B I-C										KV		AMP		V			AMP		KWH	
0000H	71	17	12	17	-1.73	-0.45	6.66	360.72								14.5	140	145	145	33	490	49	99.64	0000H						
0100H	72	13	9	13	-1.29	-0.65		0.73								14.4	136	141	144	31	480	45		0100H						
0200H	73	8	0	4	-0.12	-0.66		0.74								14.0	128	130	140	29	480	40		0200H						
0300H	73	8	4	7	-0.63	-0.46		0.74								14.0	118	124	140	28	470	40		0300H						
0400H	73	9	9	9	0.20	-1.00		0.74								14.2	110	116	142	27	470	40		0400H						
0500H	72	9	10	9	0.18	-1.15		0.74								14.0	108	113	140	25	460	40		0500H						
0600H	72	9	10	10	0.18	-1.17		0.74								14.0	98	99	140	26	460	45		0600H						
0700H	72	9	10	9	0.18	-1.14		0.74								14.0	88	91	140	20	450	35		0700H						
0800H	71	9	10	10	0.14	0.19	6.67	360.74								13.8	105	106	138	24	450	45	99.64	0800H						
0900H	69	-	-	-	-	-	-	-								14.0	110	112	140	26	470	50		0900H						
1000H	70	-	-	-	-	-	-	-								14.5	115	127	141	23	470	53		1000H						
1100H	70	-	-	-	-	-	-	-								14.5	135	138	141	28	470	52		1100H						
1200H	70	-	-	-	-	-	-	-								14.5	145	149	142	29	470	50		1200H						
1300H	70	-	-	-	-	-	-	-								14.0	148	147	140	20	470	52		1300H						
1400H	69	-	-	-	-	-	-	-								13.9	150	152	139	33	470	55		1400H						
1500H	70	-	-	-	-	-	-	-								14.1	148	145	141	20	470	52		1500H						
1600H	70	-	-	-	-	-	-	-								14.1	140	143	141	20	470	58	99.65	1600H						
1700H	71	-	-	-	-	-	-	-								14.3	168	170	143	26	478	58		1700H						
1800H	71	-	-	-	-	-	-	-								14.3	168	170	143	25	478	20		1800H						
1900H	70	8	6	5	0.16	0.87		0.75								14.0	190	198	140	44	478	30		1900H						
2000H	69	11	9	12	-1.32	-0.39		0.75								14.0	210	212	140	44	478	30		2000H						
2100H	71	11	11	11	-5.65	-0.34		0.75								14.1	218	216	141	47	478	30		2100H						
2200H	70	25	21	26	-2.96	-0.11		0.75								14.2	207	207	142	34	478	25		2200H						
2300H	71	9	9	8	0.17	-0.46		0.75								14.3	158	158	143	31	478	28		2300H						
2400H	72	9	9	8	0.19	-1.07	6.68	360.83								14.3	158	162	143	31	480	28	99.65	2400H						
MAX.	73	44	41	46	-5.65	-1.17	IN->									14.5	210	217	145	49	480	55	170	MAX.						
MIN.	69	0	0	4	-0.12	-0.11	2	<-OUT								13.8	82	91	138	20	475	20		MIN.						

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DATE/DAY: AUG 31 2006 THUR

MAX.	73KV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.5KV	-	490V	-	MA.	-				
MIN.	66KV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.1KV	-	410V	-	MIN.	-				
BANGUL-LOAG 69 KV LINE (58LG4)																									
TIME	FEEDER 1 (21LG4)														FEEDER 2 (22LG4)						AUXILIARY SWITCHGEAR	STATION SERVICE			
	KV	1A	1B	1C	MW	MVAR	+MWH	-MWH	1A	1B	1C	1A	1B	1C	KV	AMP	KWH	Please check appropriate box which station service is in use ☐ T1 20MVA TRAF0 (150 KVA) ☒ T2 50MVA TRAF0 (150 KVA)							
0000H	73	9	10	10	0.12	-1.21	727	41453				26	106	121	14.4	30	480	100325							
0100H	72	9	8	6	0.16	-0.51						11.8	12	118	14.2	26	480								
0200H	72	11	6	11	-1.04	-0.38						10.2	10.2	106	14.1	24	480								
0300H	71	4	6	11	-1.22	-0.36						26	26	22	13.2	22	480								
0400H	72	26	27	28	-2.80	-0.15						26	26	22	14.1	22	480								
0500H	72	35	37	28	-4.71	0.02						10.2	10.2	106	14.1	24	480								
0600H	72	28	37	21	-4.46	0.08						26	26	22	14	22	480								
0700H	71	27	27	31	-3.33	0.14						28	28	26	15.9	18	480								
0800H	70	6	5	6	-0.39	-0.60	727	41472				58	90	86	13.8	21	480								
0900H	-	-	-	-	-	-	727	41472				110	110	112	13.8	25	462	100338							
1000H	-	-	-	-	-	-						114	117	122	13.8	27	462	100339							
1100H	-	-	-	-	-	-						119	117	125	13.8	28	462	100340							
1200H	-	-	-	-	-	-						124	122	130	13.8	29	462	100341							
1300H	-	-	-	-	-	-						128	126	137	13.8	31	462	100342							
1400H	-	-	-	-	-	-						130	130	140	13.8	32	462	100343							
1500H	70	54	50	56	-6.43	0.68	727	41470				124	122	130	14.0	29	462	100344							
1600H	71	25	21	29	-3.21	0.14	727	41470				112	115	124	14.2	28	462	100345							
1700H	73	10	5	10	-0.88	-0.18		481				102	104	114	13.8	24	460	100346							
1800H	72	7	4	3	0.01	-0.38		880				106	109	120	13.9	25	465								
1900H	70	11	2	10	-0.71	-0.40		462				145	141	141	13.8	46	470								
2000H	70	14	6	14	-1.30	-0.27		483				200	206	224	18.1	50	470								
2100H	71	20	14	22	-2.19	-0.09		485				192	192	215	13.1	46	470								
2200H	73	21	20	25	-2.64	0.12		487				147	151	171	12.4	37	470								
2300H	72	24	24	30	-3.46	0.07		489				134	130	144	14.4	34	470								
2400H	71	26	24	28	-3.21	-0.04	727	41462				127	122	151	14.4	32	470	100351							
MAX.	73	25	27	28	-4.86	0.48	IN->	0				280	286	293	18.4	50	480								
MIN.	70	6	4	3	6.01	2.08	29	<-OUT				28	28	28	13.8	18	460								
MAX. MIN.																						MAX. MIN.		MAX. MIN.	