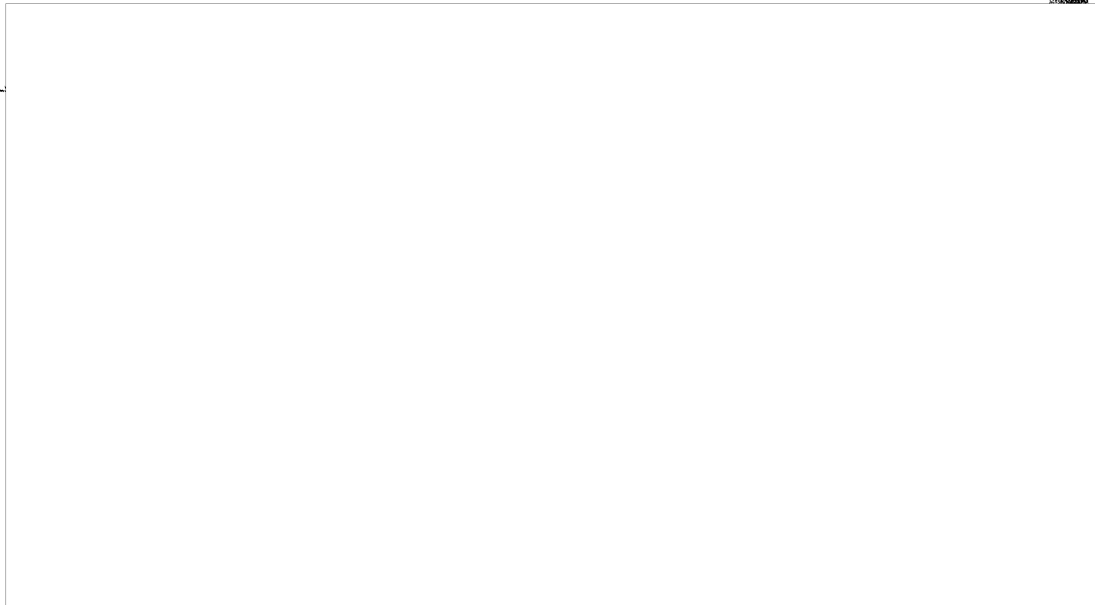
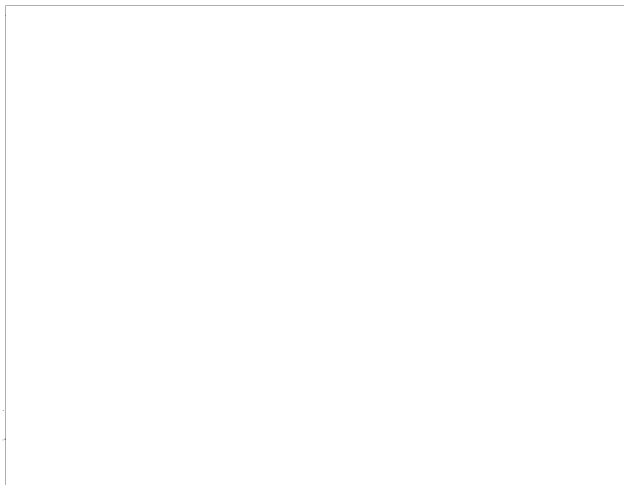


50X1-HUM



Ch'ongjin Maintenance District
(North Korea)

Poch'on Ku Ilnam-to Ch'ongjin Chipu
Office of Electric Power, Bureau of Industry
Ministry of Industry, North Korea, P'yongyang
Undated, presumably July 1948



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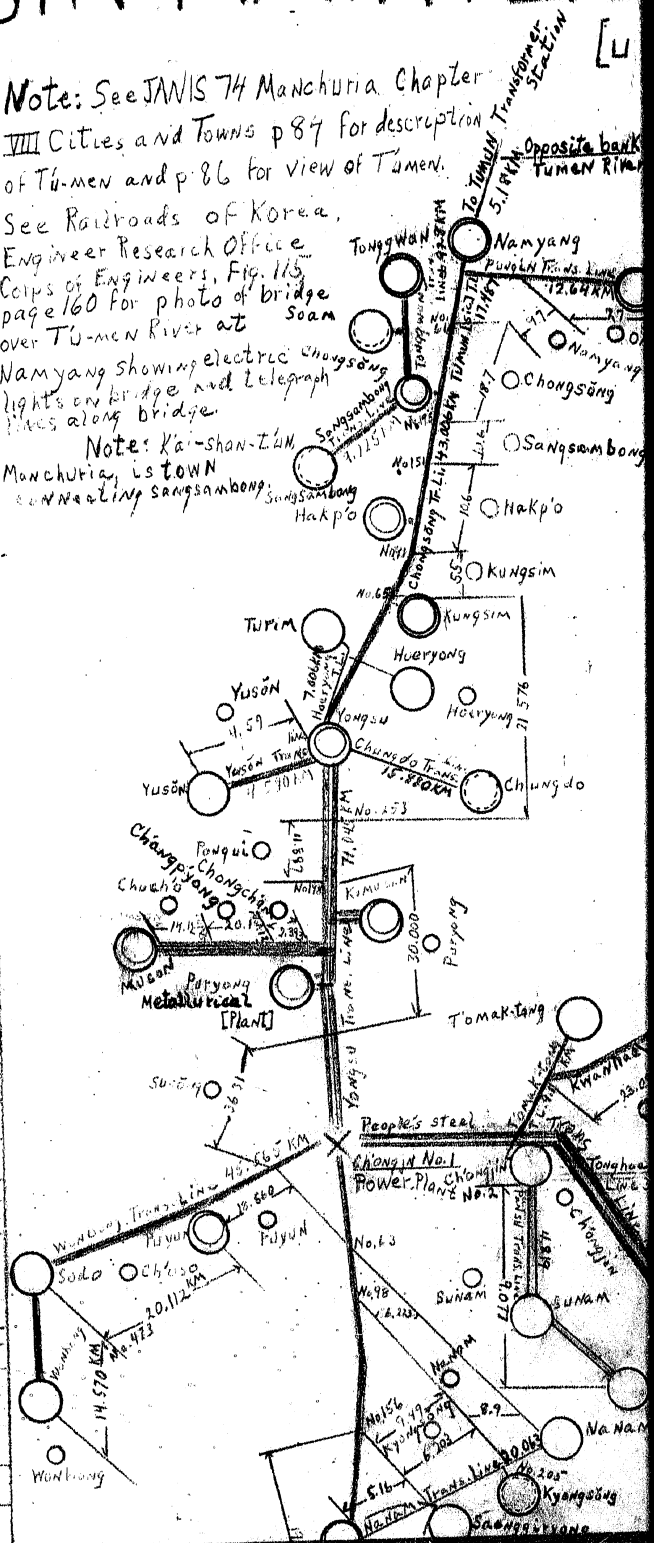
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SECURITY INFORMATION

CH'ONGJIN MAINTEN

Summary of Transformer (Tower) Equipment

Name of Transformer Station	Total Output (KVA)	Description of Transformer						
		Capacity (KVA)	Phase	Group	Voltage KV	No. of Transf.	Regular	Reserve
					Primary	Secondary		
MUSAN	12000	6000	3	60	66	3.3	2	
KOMUSAN	3000	1000	Single	60	66	3.3	3	1
TOMAK-TANG No. 2	400	200	Single	60	22	3.3	2	
CHONGJIN	26000	4000 6000 500	3	60	66 22	3.3	4	1
TONGHAE	4000	2000	3	60	22	3.3	2	
SUNAM	3000	1000	Single	60	22	3.3	3	
NANAM	1550	500	3	60	22	3.3	1	
KYONGSŌNG	500	500	3	60	22	3.3	1	
SANGGIYANG	500	500	3	60	22	3.3	1	
CHUL	6000	2000 7000	Single 3	60	66 22	2.2 3.3	3 1	1
YONGHYON	500	500	3	60	22	3.3	1	
HOEMUN	500	500	3	60	22	3.3	1	
ODAEJIN	600	200	Single	60	22	3.3	3	
PUNYUN	2400	800	Single	60	66	3.3	3	1
SEDO	900	300	Single	60	66	3.3	3	
YONGAN	750	750	3	60	66	2.2	1	
MYONGNAM	75	25	Single	60	22	3.3	3	
CHANGDOK	300	150	Single	60	22	3.3	2	
MYONGGYONG	225	75	Single	60	22	3.3	1	
CHUNAM	500	500	3	60	22	3.3	3	
CHUNAM	300	100	Single	60	22	3.3	3	
YONGSU	4000	2000 100	3 Single	60	66 22	2.2 3.3	2 3	
KUNGSIM	1500	500	Single	60	66	3.3	3	
HAKP'Ō	1300	750 750	Single 3	60	66 66	3.3 2.2	2 1	
CHONGSŌNG	750	75	Single	60	22	3.3	3	2
NAMYANG	520	300	Single	60	66	3.3	2	
PUNGIN	1800	600	Single	60	66	3.3	3	
HOERYONG	1400	400 200	Single Single	60	22 22	3.3 3.3	3 2	
TURIM	1250	250 500	Single 3	60	22 22	3.3 3.3	3 1	
YUSŌN	1950	650	Single	60	22	3.3	3	
SANGSAMBONG	300	100	Single	60	22	3.3	3	
TONGWAN	150	50	Single	60	22	3.3	3	
SOAM	100	50	3	60	22	3.3	2	

Note: See JANIS 74 Manchuria Chapter VIII Cities and Towns p 87 for description of Tu-men and p 86 for view of Tamen. See Railroads of Korea, Engineer Research Office Corps of Engineers, Fig. 115 page 160 for photo of bridge over Tu-men River at Soam. Namyang showing electric lights on bridge and telegraph lines along bridge. Note: Kai-shan-LUN Manchuria, is town connecting sangsambong.



CONFIDENTIAL
SECURITY INFORMATION

MINTENANCE DISTRICT

[undated, presumably July 1948]

ria Chapter
for description
of Tumen.

Note: HUN-ch'UN, Manchuria has steam plant of 10,000 minimum KW capacity as of July 1945. See JANIS 74 Manchuria Chapter IX Resources and Trade, Fig IX-39 Coal Petroleum, Electric Power.

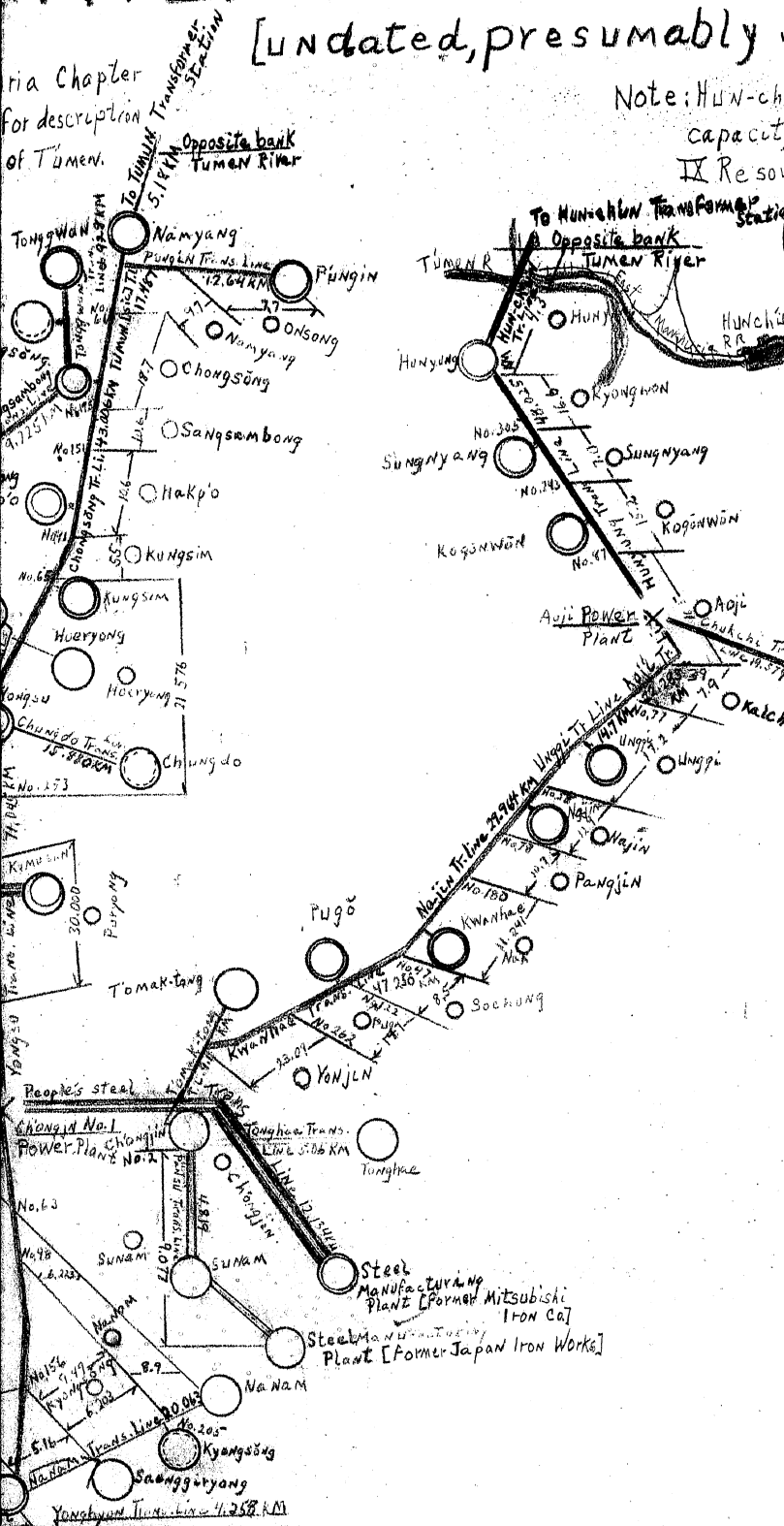
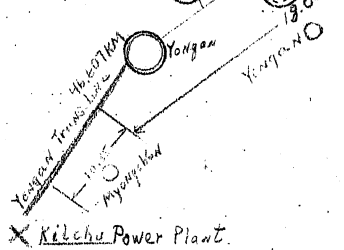
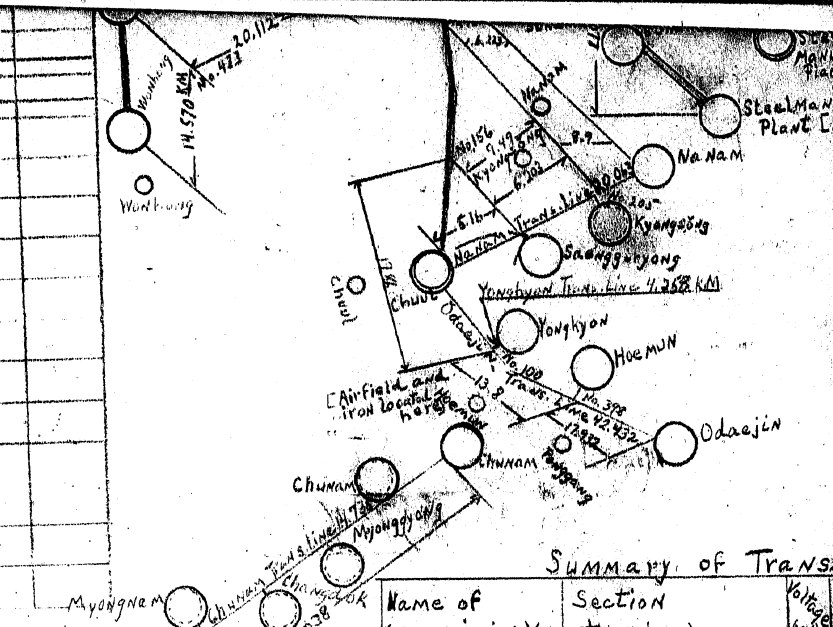


Table of Maintenance Personnel

Name of lodging posts	Boundary Limits	Exact Length (km)	Normal Personnel	Present Personnel	Required Personnel
Chongjin lodging post	People's Steel Plant	12.134			
	Pan-Huk-Tong Tr. Li.	0.474			
	Tonghae Tr. Line	5.060			
	Tomak-Tong Tr. Li.	9.100	1	1	2
SUNAM "	Pansu Tr. Line	4.819			
	Iron works "	4.258	1	1	1
SUSONG "	Yongan "	17.000			
	Chull "	10.400			
	Puyun-dong "	8.910	2		2
Puyong "	Yongan "	30.000	1	1	2
Chongch'an "	Musan "	2.393	2	2	2
Ch'angpyong "	Musan "	20.100	2	2	2
Chuch'o "	Musan "	14.120	2	2	2
Puyun "	Simnipyong "	18.560	2		2
Ch'oso "	Wanbong "	20.112	2	1	2
Wanbong "	Wanbong "	16.570			2
Na Nam "	Chull "	6.223			
	NANAM "	8.700	1	1	1
Kyongsong "	Chull "	9.490			
	NANAM "	6.203	1		1
Chull "	Chull "	4.000			
	NANAM "	5.160			
	Daejin "	10.700			
Hae Mun "	Yonghyon "	4.258	1	1	2
	Daejin "	13.800	1	1	1
Ponggang "	" "	17.932	1	1	1
Yongan "	Yongan "	3.300			
	Chunam "	14.738	1	1	2
Myonghon "	Yongan "	10.850			
	Yongsu "	10.976			
Hoeryong "	Hodryong "	7.006			
	Kyongsong "	10.600			
	Chungdo "	15.880			
Pongul "	Yongsu "	11.887	1	1	1
Yoson "	Yoson "	4.590			1

PUNGLIN	1200	600	Single	60	66	3.3	3
Hoeryang	1400	400	Single	60	22	3.3	3
TUYUM	250	250	Single	60	22	3.3	3
YUSON	1750	650	Single	60	22	3.3	3
Sangsambong	300	100	Single	60	22	3.3	3
Tonggwon	150	50	Single	60	22	3.3	3
SOEM	100	50	3	60	22	3.3	2
Chungdo	100	50	3	60	22	3.3	2
Pugo	600	300	3	60	22	3.3	2
Kwanhae	900	300	Single	60	66	3.3	3
Koguryon	3000	1000	Single	60	66	3.3	3
Hnggi	900	300	Single	60	66	3.3	3
Naajin	1500	500	Single	60	66	3.3	3
Sungnyang	900	300	Single	60	66	3.3	3
Hungyung	900	300	Single	60	66	3.3	3

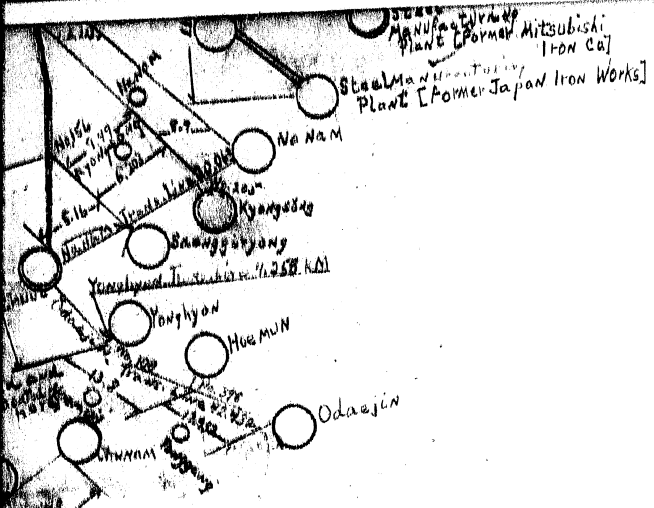


Summary of TRANSMISSION LINES

Name of TRANSMISSION LINE	Section	Terminal	Voltage (KV)
YONGJU TRANSMISSION LINE	CHONGJIN No. 1 TRANS. STATION TO YONGJU	CHONGJIN No. 1 TRANS. STATION TO YONGJU	66
YONGJU TRANSMISSION LINE	CHONGJIN No. 2	TO TUMUK-TONG	22
YONGJU TRANSMISSION LINE	PEOPLE'S POWER No. 2	TO TUMUK-TONG	66
YONGJU TRANSMISSION LINE	CHONGJIN No. 2	TO TONGHAE	22
YONGJU TRANSMISSION LINE	CHONGJIN No. 2	TO SU NAM	"
YONGJU TRANSMISSION LINE	YONGNAM	TO CHONGJIN IRON WORKS	"
YONGJU TRANSMISSION LINE	CHONGJIN No. 1	TO CHUUL	66
YONGJU TRANSMISSION LINE	CHUUL	TO NANYANG	22
YONGJU TRANSMISSION LINE	CHONGJIN	TO YONGHYON	"
YONGJU TRANSMISSION LINE	CHUUL	TO ODAEJIN	"
YONGJU TRANSMISSION LINE	CHONGJIN No. 1	TO SIMNIPYANG	66
YONGJU TRANSMISSION LINE	PUNGIN	TO SAMSU	"
YONGJU TRANSMISSION LINE	KUCHU	TO YONGNAM CHEM. PLANT	"
YONGJU TRANSMISSION LINE	YONGNAM CHEM. PLANT	TO CHUNAM	22
YONGJU TRANSMISSION LINE	AQIL	HUNYUNG	66
YONGJU TRANSMISSION LINE	ABJIL	HUNYUNG	"
YONGJU TRANSMISSION LINE	UNGGI	TO KWANHAE	22
YONGJU TRANSMISSION LINE	POST TO TUMUK-TONG	TO KWANHAE	"
YONGJU TRANSMISSION LINE	POST TO KWANHAE	TO PUGO	"
YONGJU TRANSMISSION LINE	POST TO KWANHAE	TO NAJIN	66
YONGJU TRANSMISSION LINE	YONGNAM	TO CHONGSONG	"
YONGJU TRANSMISSION LINE	Metal Power No. 2	TO NANYANG	"
YONGJU TRANSMISSION LINE	PEOPLE'S POWER No. 2	TO PUNGIN	"
YONGJU TRANSMISSION LINE	CHONGSONG	TO KUNGSIM	"
YONGJU TRANSMISSION LINE	YONGNAM	TO HOERYANG	22
YONGJU TRANSMISSION LINE	YONGNAM	TO YUSON	"
YONGJU TRANSMISSION LINE	YONGNAM	TO CHUNGDO	"
YONGJU TRANSMISSION LINE	CHONGSONG	TO TONGGWON	"
YONGJU TRANSMISSION LINE	CHONGSONG	TO SANGSAMBONG	"
YONGJU TRANSMISSION LINE	CHONGJIN No. 1	TO PEOPLE'S STEEL	66
YONGJU TRANSMISSION LINE	POST No. 112	YONGNAM	"
YONGJU TRANSMISSION LINE	HUNYUNG	TO OPPOSITE BANK OF TUMUK-TONG RIVER	"

LEGEND

- 66 kv Transformer Station
- 22kv Transformer Tower
- 22kv Transformer Station
- Lodging post
- || 66 kv Transmission Line
- || 22kv Transmission Line
- X Power plant location
- == Information written in ink
- Information from other sources



Summary of Transmission Lines

Name of Transmission Line	Section	Volts (KV)	Exact Length (KM)	Electric Wire Kind	Size	Kind of Maintenance	Remarks
TRANS TRANSM LINE	Changjin No. 1 TRANS. SECT.	66	71.045	ALUMINUM WIRE	1/4 24	Metal towers	Double line
Yonakong	TO YONKONG	22	9.100	Bare heavy copper wire	5	Wood poles	Single line
Panjukong	TO PANJUKONG	66	0.474	Bare heavy copper twisted wire	7/2.3	Metal towers	Double line
Tonghae	TO TONGHAE	22	5.060	"	"	"	"
Na Nam	TO Na Nam	"	4.819	"	"	wood poles	"
Yongnam Iron Works	TO YONGNAM IRON WORKS	"	4.258	SL cable	1/1.8	underground	"
Chuhl	TO CHUHL	66	30.113	Bare heavy copper twisted wire	7/2.3	Metal towers	Single line
Na Nam	TO Na Nam	22	20.063	Bare heavy copper wire	5	Wood poles	"
Yonghyon	TO YONGHYON	"	4.258	Bare heavy copper twisted wire	7/2.3	"	"
Odaejin	TO ODAEJIN	"	4.258	"	"	"	"
Slampyang	TO SLAMPYANG	66	38.672	"	7/2.6	"	"
Wenbang	TO WENBANG	"	45.565	"	"	"	"
Yongnam	TO YONGNAM CHEM. PLANT	22	46.607	"	"	"	"
Chunam	TO CHUNAM	"	14.738	"	"	"	"
Hunyung	TO HUNYUNG	66	48.025	"	7/2.6	Metal towers	"
Aoji	TO AOJI	"	22.285	"	7/2.3	"	"
Linggi	TO LINGGI	"	14.707	"	"	"	"
Kwanhae	TO KWANHAE	22	47.250	"	"	Wood poles	"
Pugo	TO PUGO	"	0.310	"	"	"	"
Najin	TO NAJIN	66	29.964	"	"	"	"
Changsoeng	TO CHANGSOENG	"	43.006	"	7/2.2	Metal towers	"
Tumun	TO TUMUN	"	17.487	"	"	"	"
Pungin	TO PUNGIN	"	12.640	"	"	"	"
Kungaim	TO KUNGAIM	"	0.442	"	7/2.6	Wood poles	"
Haearyang	TO HAEARYANG	22	7.006	"	7/2.2	"	"
Yuson	TO YUSON	"	4.570	Bare heavy copper wire	5	"	"
Chungdo	TO CHUNGDO	"	4.570	Bare heavy copper twisted wire	7/2.6	"	"
Tongwan	TO TONGWAN	"	15.830	"	"	"	"
Sangsam-bang	TO SANGSAM-BANG	"	6.928	Bare heavy copper wire	5	"	"
People's Steel	TO PEOPLE'S STEEL	"	9.225	"	"	"	"
Musan	TO MUSAN	66	12.134	Copper-aluminum wire	7/2.2	Metal towers	Double line
Hun-chun	TO HUN-CHUN	"	36.413	"	"	Wood poles	Single line
	TUMUN/TUMUN RIVER POWER PLANT	"	4.500	"	"	"	"

Myonghwan	YANJIN	"	117-320	10,340			
	Kwanhae	"	333	1,876			
Haeryang	HOERYANG	"	"	7,000			
	Kwangsoeng	"	1-65	10,600			
	Chungdo	"	"	15,830			
Ponghae	YONGSU	"	198-288	11,887			
Yuson	YUSON	"	"	4,590			
Kungaim	CH'ONGSANG	"	65-71	5,500			
Haeryang	CH'ONGSANG	"	93-157	10,600			
Sangsam-bang	CH'ONGSANG	"	197-195	10,600			
	Sangsam-bang	"	"	2,225			
	TUMUN/TUMUN	"	1-61	12,700			
Ch'ongsang	CH'ONGSANG	"	198-195	6,000			
	Tongwan	"	"	6,928			
Namyang	TUMUN/TUMUN	"	61-79	4,900			
	Pungin	"	1-35	4,900			
ONSONG	PUNGIN	"	35-86	7,700			
Yonjin	KWANHAE	"	262-44	23,690			2
Pugo	KWANHAE	"	262-122	14,700			
Sochong	KWANHAE	"	122-17	8,500			
Naksun	KWANHAE	"	122-17	0,360			
	Najin	"	122-17	10,891			
Pangjin	Najin	"	182-78	10,700			
	Najin	"	78-58	8,538			
	Linggi	"	78-58	4,617			
	Linggi	"	110-77	10,070			
	Aoji	"	110-77	7,010			
Kalchan	Aoji	"	77-39	7,900			
Aoji	Aoji	"	39-1	7,275			
	Hunyung	"	1-87	9,225			
Kogonwan	HUNYUNG	"	87-240	15,200			
Sungnyang	HUNYUNG	"	240-205	7,000			
Kyongwan	HUNYUNG	"	205-476	16,600			
Hunyung	HUNYUNG	"	1-38	4,300			

[Manchuria]