

## 2.. Electrical Engineering Work

### 2.1 Design and Construction of High Voltage Transmission Line

#### 2.1.1 Government Organization and Public Authorities

No.	Year of Completion	Customer / Location	Description
<b>230 kV Transmission Line</b>			
1	2007	Electricity Generation Authority of Thailand (EGAT ) 230kV Songkhla 2 – Hat Yai 2 under Transmission System for Songkhla Combined Cycle Power Plant Project	230kV System Double Circuit 54.030 cct- km. Contract Amount : 135.12 Million Baht
<b>115 kV Transmission Line</b>			
1	2004	Provincial Electricity Authority (PEA) Contract No. จ.151/2547 Nong Kahi Substation (EGAT) - Sri Chinmai Substation	115kV System 54.030 cct-km. Contract Amount : 60.00 Million Baht
2	2004	Provincial Electricity Authority (PEA) Contract No. จ.107/2547 Panat—Motorway	115 kV Underground Cable System Contract Amount : 32.87 Million Baht
3	2002	Provincial Electricity Authority (PEA) Contact No. จ.58/2544. Phaholnyothin Highway Between 306-307 km. and 308-309 km., Klongkhung, Kamphaengphet Province	Underground Cable 115 kV System Contract Amount : 13.90 Million Baht
4	2000	Provincial Electricity Authority (PEA) Contract No. TSD.3.P-4.1/1998 : 3 Routes ▪ Chalung Sub.-Hat Yai 3 Sub.-Hat Yai 4 Sub. ▪ Bang Saphan 1 Sub.-Bang Saphan 2 Sub. ▪ Prachuap Khiri Khan Sub.-Kui Buri Sub.	115kV System 93 cct-km. Contract Amount : 146.00 Million Baht
5	1999	Provincial Electricity Authority (PEA) Contract No. TSD.5.P-4.7/1997 : 3 Routes ▪ Phayakhaphum Phisai Sub.-Kaset Wisai Sub. ▪ Chaiyaphum Sub.-Bua Yai Sub. ▪ Chokchai Sub.- Nong Ki Sub.	115kV System 162 cct-km. Contract Amount : 260.00 Million Baht
6	1998	Provincial Electricity Authority (PEA) Contract No.TSD.5.P-4.3/1997 : 3 Routes ▪ Bypass Junction - Phitsanulok 3 Sub. ▪ Phisanulok 2 Sub. - Phi Chai Sub. ▪ Bang Munnak Sub. - Taphan Hin Sub.	115kV System 100 cct-km. Contract Amount : 186.00 Million Baht

#### 2.1.2 Private Companies

No.	Year of Completion	Customer / Location	Description
<b>115 kV Transmission Line</b>			
1	2005	PTT Utility Co., Ltd. : Central Utility Project I	Contract Amount : 52.00 Million Baht
2	2004	Rayong Panel Co., Ltd.	Contract Amount : 2.09 Million Baht
3	2003	Rojana Power Co., Ltd. / Ayutthaya Province	Contract Amount : 8.90 Million Baht
4	2001	Thai Stanley Co., Ltd. / Pathum Thani Province	Contract Amount : 1.95 Million Baht
5	2000	Jong Stit Co., Ltd. / Samutsakhon Province	Contract Amount : 2.20 Million Baht
6	1998	Pattco Land Co., Ltd. / Chachoengsao Province	Contract Amount : 20.00 Million Baht
7	1997	Amata - EGGO Power Co., Ltd. / Chon Buri Province	Contract Amount : 26.50 Million Baht

8	1997	Amata-EGCO Power Co., Ltd. / Chachoengsao Province	Contract Amount : 8.00 Million Baht
9	1997	Amata-EGCO Power Co., Ltd. / Chachoengsao Province	Contract Amount : 10.00 Million Baht
10	1996	Chitr Charoen Farm Co., Ltd. / Chachoengsao Province	Contract Amount : 21.00 Million Baht
<b>22 kV Transmission Line</b>			
1	2001	National Petrochemical Public Co., Ltd. (NPC) Rayong Province	Contract Amount : 37.59 Million Baht
<b>115 kV Conventional Substation</b>			
1	2005	Rojana Power Co., Ltd. : Rojana Industrial Park, Ayuthaya Province	115/22 kV 40 MVA Substation Contract Amount : 30.50 Million Baht
2	2005	Amata Power (Bangpakong) Co., Ltd: Amata Nakorn Industrial Estate, Chonburi Province	115/22 kV 2x40/50 MVA Substation Power Expansion for Remote Substation 1&2 Contract Amount : 68.00 Million Baht
3	2005	Khon Kaen Sugar Power Plant Co., Ltd. : Khon Kaen Province	115/11 kV Terminal Substation Contract Amount : 27.50 Million Baht
4	2005	Siam Fiber Cement Co., Ltd. : Saraburi Province	115/22 kV 16/20 MVA Substation Contract Amount : 28.00 Million Baht
5	2004	Rojana Power Co., Ltd. : Rojana Industrial Park, Ayuthaya Province	115/22 kV 40 MVA Substation Power Plant Phase 3 Extension Substation Contract Amount : 30.30 Million Baht
6	2004	AT Biopower Co., Ltd: Pichit Province	115/22 kV Terminal Substation Contract Amount : 29.30 Million Baht
7	2003	Rojana Power Co., Ltd. : Rojana Industrial Park, Ayuthaya Province	115/22 kV 2 x 50 MVA Substation
8	2001	Nan Yang Textile Co., Ltd. : Phetchburi Province	115/22 kV 12.5 MVA Substation
9	2001	Thai National Power Co., Ltd. / Rayong Province	115/22 kV 2 x 25 MVA Substation1
10	2001	Sunflag (Thailand) Co., Ltd. / Ayutthaya Province	115/22 kV 30 MVA Substation
11	1998	Rojana Power Co., Ltd. / Ayutthaya Province	115/22 kV 40 MVA Substation
12	1998	Sahacogen Co., Ltd. / Chonburi Province	115/22 kV 40 MVA Substation
13	1997	304 Industrial Park Co., Ltd. / Prachin Buri Province	115/22 kV 40/50 MVA Substation
14	1997	Nawaloha Foundry Bang Pakong Co., Ltd. / Chachoengsao Province	115/22 kV 25/30 MVA Substation
15	1997	Kulthon Control Co., Ltd. / Chachoengsao Province	115/22 kV 20/25 MVA Substation
16	1996	The Siam Refractory Industry Co., Ltd. / Sara Buri Province	115/22 kV 12 MVA Substation
17	1996	Thai Rayon Co., Ltd. / Angthong Province	115/22 kV 20 MVA Substation
18	1995	Honda Cars Manufacturing Co., Ltd. / Ayutthaya Province	115/22 kV 20 MVA Substation
<b>22 kV. Gas Insulated Substation</b>			
1	2005	PTT Utility Co., Ltd. : Central Utility Project I Maptaphut Industrial Park, Rayong Province	Contract Amount : 85.34 Million Baht