

EGAT's Thermal Power Plant Project

1. Project name : Ao Phai 1-2
2. Type of generation : coal-fired steam plant
3. Description and scope of project
 - a) Location : Ao Phai District,
Chon Buri Province
 - b) Rated capacity : 2x600 MW
 - c) Annual energy generation : 2x3950 GWh
 - d) Fuel : imported coal
 - e) Fuel consumption : 2x1.546 million tons per year

4. Project cost (Million Baht) of each unit of 600 MW	---FC---	---LC---	---Total---
-Turbine generator & auxiliary	1698.03	-	1698.03
-Steam generator & auxiliary	2764.26	-	2764.26
-Coal handling	353.70	-	353.70
-Ash handling	288.90	-	288.90
-Structural steel	285.39	-	285.39
-Intake and C.W. pipe	45.90	-	45.90
-Electrical equipment	833.49	-	833.49
-Instrumentation & control	216.54	-	216.54
-Water treatment	166.86	-	166.86
-Building super structure	210.87	-	210.87
-Plant miscellaneous	54.81	-	54.81
-Air conditioning	30.24	-	30.24
-Construction equipment	49.14	-	49.14
-Civil works	73.71	2082.24	2155.95
-Mechanical construction	-	1699.11	1699.11
-Electrical & control construction	-	787.05	787.05
-Inspection service	14.04	-	14.04
-Local transport	-	70.74	70.74
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Total	7,085.88	4,632.14	11,725.02

5. Tentative schedule
 - a) Feasibility study and approval : October 1992
 - b) Engineering : October 1993 (Ao Phai # 1)
October 1994 (Ao Phai # 2)
 - c) Preliminary, manufacturing, construction and installation works : October 1994 (Ao Phai # 1)
October 1995 (Ao Phai # 2)
 - d) Commissioning : October 1999 - October 2000