

2. Topographic Map

Item	Description	Availability	Remarks
1. Aerophotograph	- Scale 1:15,000	B	1:50,000
2. Topographic Map covering Project Area	- Scale 1: 50,000 Greater Bangkok 1:250,000 Southern Thailand	B	

3. Geological Data

Item	Description	Availability	Remarks
1. Geological Data	- Geological map (Greater Bangkok)	C	

4. Meteorological Data

Item	Description	Availability	Remarks
1. Weather	- Temperature, humidity, rainfall, monsoon, wind direction, wind speed etc.	B	1956~1985

5. Planning Data

Item	Description	Availability	Remarks
1. Transmission Line	- Topographic map at scale 1:50,000 along transmission line route	B	
2. Existing Typical Substation	- Layout, oneline diagram (Bangkok)	B	BANG KAPI S/S BANGKOK NOI S/S

6. Environment and Compensation

Item	Description	Availability	Remarks
1. Environmental and ecological conservation regulation	<ul style="list-style-type: none"> - Noise standard - Vibration standard - Other, if any 	B	Guide lines for Environmental Impact Study
2. Compensation	<ul style="list-style-type: none"> - Compensation cost (Substation and transmission line) 	C	

7. Inland transportation Data

Item	Description	Availability	Remarks
1. Road Conditions	<ul style="list-style-type: none"> - Road map of transportation route 1:1,000,000 HIGHWAY MAP 	B	
2. Harbour Facilities	<ul style="list-style-type: none"> - Maximum harbour crane capacity (ton) - Maximum floating crane capacity (ton) - Area of stockyard and warehouse 	C	
3. Cost of Inland Transportation	<ul style="list-style-type: none"> - Cost of inland transportation /ton-km, /ton, /km or other unit prices - Hire charge of truck, car, barge, etc. 	C	

8. Cost Estimation Data

Item	Description	Availability	Remarks
1. Construction Cost for civil and Electric Works	<ul style="list-style-type: none"> - Labour - Materials and machines - Unit cost of transmission line and substations 	B	
2. Operation and Maintenance Yearly cost	<ul style="list-style-type: none"> - Transmission line - Substation 	B	
3. Administration and Engineering Costs		C	
4. Interest Rate and Term of Repayment		B	

8. Cost Estimation Data (continued)

Item	Description	Availability	Remarks
5. Escalation Rate		B	
6. Import Duties	- Machinery and material for construction	A	
7. Exchange Rate	- Between US\$ and/or yen and baht	B	

9. Economic and Financial Analyses

Item	Description	Availability	Remarks
1. Service Life, Period of Replacement	- Service life, period of replacement of each item of transmission line and substation	B	
2. Delivery Cost	- Administration, transmission, substation, distribution, sales, interest, tax etc.	C	
3. Tariff	- current and future	B	Current EGAT MEA PEA
4. Social Discount Rate			

10. Others

Item	Description	Availability	Remarks
1. Organization in Charge of and/or Concerned to the Project		B	
2. Related Departments	- Organization chart of EGAT	B	System Planning Dep.
3. Published Statistic	- Statistics of economy, industry, trade etc. in Thailand and the Project area (Annual Electric Report, Statistic Yearbook etc.) 1989	B	Transmission system Engineering Dep.
4. Annual Report	- EGAT, MEA and PEA	B	EGAT 1990 MEA 1990 PEA 1989
5. State and City Development plan		C	

JICA

1