

## **第5章 添付資料**

### **5.1. 事前調査時に使用した文献・資料**

表 5.1-1 に今回の調査に先立ち事前に入手した文献・資料を示す。

### **5.2. 現地調査時に入手した文献・資料**

表 5.2-1 に今回の現地調査で入手した文献・資料を示す。

### **5.3. 事前送付質問状及び追加質問状**

表 5.3-1 に現地調査に先立ち事前に関係機関へ送付した質問状を示す。また、表 5.3-2 は現地調査期間中に作成した追加質問状を示す。

### **5.4. 現状或は過去の支援協力案件リスト**

#### **5.4.1. JICA**

JICA が現在まで行った支援案件リストを表 8.4-1 に示す。

#### **5.4.2. JBIC**

JBIC が 1974 年以降フィリピンの電力・ガス部門に実施してきた支援案件は表 5.4-2 の通り。全 29 案件，金額で約 2,800 億円にのぼる。

全 29 案件の内訳は地方電化 5 件，発電所 14 件，送電線 8 件，その他 2 件である。発電所 14 件中の地熱開発に関わる案件が過半数 9 件を占める。1994 年にカラカ石炭火力発電所第 2 号機の追加融資を最後に一般発電所の開発支援は実施されていない。地方電化も 1994 年の NEA 地方電化事業を最後に支援案件は無い。JBIC の支援案件はその内容からハード主体と性格付けられる。

#### **5.4.3. World Bank**

WB はエネルギー分野の構造改革支援は ADB に任し、専ら人材開発教育を通じての以下の地方電化支援を行っている。

(1) フィリピン人材開発プロジェクト

- 地方電化における市場評価の実施
- エネルギー源評価と技術選別
- NEA の投資経営契約
- 投資前検討
- 世銀融資による NRE を利用した分散型電化プロジェクトと総合プロジェクト

5.4.4. ADB

エネルギー部門における ADB の支援方針は以下の通り。

- (1) 電力部門の構造改革に伴う政策・施行策定支援
- (2) 再生可能エネルギー開発に重点を置いた地方電化
- (3) 二次送電・配電の中小配電会社併合、及び電化協同組合の採算化併合
- (4) DMS の実現化とエネルギー貯蔵プログラム

上記方針に基づき具体的支援案件は以下の通りである。

(1) 電力部門の構造改革に伴う政策・施行策定支援

オムニバス電力法案の発布に備えて、現在以下の支援案件が後述する他の援助機関と分担して実施中もしくは準備中である。

- 競争環境下における電気料金価格設定及び実践規制（実施中）
- 消費者影響評価（実施中）
- フェーズ 3：ソフトプログラム作成（準備中）
- フェーズ 4：スポットマーケットのための必要社会資本整備の買取り（準備中）

(2) 地方電化におけるエネルギー部門の体制強化

全国の地方電化プログラムを遂行する上でエネルギー部門の体制能力の開発・強化を目的とするもので、以下の支援項目から成る。

- 電化プロジェクト実施の為に訓練開発プログラム
- 地方電化及び再生可能エネルギー実現に向けての職務機能指導
- 持続可能な発展と貧困撲滅

(3) 地方電化

電化促進するための電化協同組合の効率向上、及び電化と生計並びに地方開発を連繫させることを目的とし、以下の支援項目から成る。

- 電化促進のための強力な基盤となりうる最も適切な電化協同組合の選定

- 候補電化協同組合の計画とその財務・経済的採算性のレビュー
- 地方での開発プロジェクトを成功させるために補足的電化に要求される事項の発掘
- 村落単位の電化と生計プロジェクトの連繋

#### 5.4.5. その他

(1) AUSAID (Australian Assistance for International Development)

AUSAID は前記の ADB の構造改革支援と連繋しフェーズ1として以下の支援を実施している。

- フェーズ1 - マーケットルールの確立とそれに伴う体制（実施中）

(2) USTDA (United State Trade and Development Assistance)

USTDA も前記の ADB の構造改革支援と連繋し、フェーズ2として以下の支援を実施している。

- フェーズ2 - 仕様の作成・準備（実施中）

### 5.5. 事前調査時の電力分野の課題と知的支援

表 5.5-1 に事前調査時の電力分野の課題と知的支援の一覧表を示す。



表5.1-1 事前調査時収集文献・資料

その他関連資料

資料NO.	支題	雑誌名・著者	頁	出版年	発行者(作成者)	資料形式	分野			
							政策	事業経営	民生導入	地方電化
1	知的支援型連携促進事業(電力分野的支援)報告書	-	-	2000	国際協力事業団	報告書	○	○	○	○
2	電力分野的支援をどう進めるか(JICA「電力分野的支援に関する連携促進委員会」が報告書をまとめる)	国際開発ジャーナル 2000.6	27	2000	(株)国際開発ジャーナル社	月刊誌コピー	○			
3	第3回ECFA「電力分野的支援研究会」 1999年10月	-	-	1999	(社)海外コンサルティング企業協会	研究会資料	○		○	
4	第2回ECFA「電力分野的支援研究会」 1999年9月	-	-	1999	(社)海外コンサルティング企業協会	研究会資料	○	○		
5	第1回ECFA「電力分野的支援研究会」 1999年7月	-	-	1999	(社)海外コンサルティング企業協会	研究会資料	○			
6	有価証券報告書総覧 東京電力株式会社 平成11年	-	-	1999	大蔵省印刷局	有価証券報告書		○		
7	第9章 電力施設整備	社会基盤の整備システム -日本の経験-	188	1995	土木学会海外活動委員会編(財)経済調査会	単行本	○			
8	Electric Power Industry in Japan 1997/1998	-	-	1997	Japan Power Information Center, Inc.		○	○		
9	スリランカ電力セクター政策支援調査	OECD Research Papers No.14	-	1996	海外経済協力基金・開発援助研究所	研究論文	◎	○	○	○
10	電気事業法	六法全書平成10年版	4269	1998	有斐閣	六法全書	○			
11	電源開発促進法	六法全書平成10年版	4267	1998	有斐閣	六法全書	○			
12	Review of Energy Sector Policy (Draft)	-	-	2000	Asian Development Bank	電子ファイル	○			
13	電力分野的支援に係る連携促進委員会(第1回)			1999	JICA 鉱工業開発調査部	委員会資料	○	○	○	○
14	電力分野的支援に係る連携促進委員会(第2回)			1999	JICA 鉱工業開発調査部	委員会資料	○	○	○	○
15	電力分野的支援に係る連携促進委員会(第3回)			1999	JICA 鉱工業開発調査部	委員会資料	○	○	○	○
16	電力分野的支援に係る連携促進委員会(第4回)			2000	JICA 鉱工業開発調査部	委員会資料	○	○	○	○

表5.2-1 現地入手資料・文献リスト (フィリピン共和国)

資料入手先	資料番号	入手日	資料名	発行年・月	資料タイプ
JICA	JIC-1	Aug.16	資源エネルギー庁:フィリピン地方電化ヒヤリング結果	-	ファックスコピー
DOE	DOE-1	Aug.17	Privatization (of NPC)	-	Presentation 資料
	DOE-2	Aug.17	Current Initiatives on New and Renewable Energy (NRE) in the Philippines	-	Presentation 資料
	DOE-3	Aug.17	An ACT Ordering Reforms in the Electric Power Industry Amending for the Purpose Certain Laws, and for Other Purpose	11-Apr-00	コピー
	DOE-4	Aug.17	An ACT TO MODERNIZE AND REFORM THE ELECTRIC POWER INDUSTRY	7-Jun-00	コピー
	DOE-5	Aug.17	Summary Sheet for Individual Expert Program for JFY 2001, Transaction of Expert Dispatch Request submitted to JICA Philippines	-	コピー
	DOE-6	Aug.17	Philippines Energy Plan 2000-2009	-	オリジナル
	DOE-7	Aug.17	Guide on Mini-Hydropower Development in the Philippines	Feb-99	オリジナル
	DOE-8	Aug.21	DEPARTMENT OF ENERGY Organization Chart	-	Copy
	DOE-9	Aug.21	Summary of Proposed Power And Functions of DOE and ERB in a Restructured Electricity Industry	-	Copy
	DOE-10	Aug.21	Proposed Mini-Hydro Projects for Implementation for Year 2000-2009	-	copy
	DOE-11	Aug.21	Summary of Projects Proposals JICA Technical Cooperation Program FY 2001	-	Copy
	DOE-12	Aug.21	Ms. JOSEFINA U. ESGUERRA	-	Copy of Application
	DOE-13	Aug.25	Review and Finalization of Market Design, Trading Arrangement, Governance Structure and Market Rules Including Provision of Relevant Trainings (Terms of Reference)	-	Copy
	DOE-14	Aug.25	Data Sheet T.A. No.3127-PHI Consumer Impact Assessment	-	Copy
	DOE-15	Aug.25	Grant Agreement between TDA and DOE (Feasibility Study for the Market Operations Pooling and Settlement Project in the Philippines)	-	Copy
NPC	NPC-1	Aug.18	Desired Structure		
	NPC-2	Aug.18	1999 Power Development Program		
	NPC-3	Aug.18	Expiration of BTO/BOT/BOO/PPA/ROM/ECA Contracts		
	NPC-4	Aug.18	Decommissioning Schedule of NPC Plants		
	NPC-5	Aug.18	NPC Annual Report 1999 (Grid Map, Operation Highlights, Financial Highlights)		
	NPC-6	Aug.23	Considerations in Computing Variable Cost of Luzon Grid Generation Plants	as of June-2000	copy
MERALCO	MER-1	Aug.18	Honorable Felipe M. Medalla		
	MER-2	Aug.18	MERALCO Rate Policy		
	MER-3	Aug.18	Cost Components of Meralco		
	MER-4	Aug.18	Manila Electricity Company Electricity Rate Schedule		
	MER-5	Aug.18	Meralco's Franchise Area at A Glance as of December 1999		
	MER-6	Aug.18	MERALCO Annual Report 1997, 1998, 1999		
	MER-7	Aug.30	Brief Description of MERALCO's 2001-2005 System Requirement Electrical Capital Project	-	E-File
ADB	ADB-1	Aug.22	Asian Development Bank Annual Report 1999	28-Mar-00	report
	ADB-2	Aug.22	Asian Development Bank PHILIPPINES Country Operation Strategy Study	Apr-98	report
	ADB-3	Aug.22	ADB Country Assistance Plan Philippines (2000-2002)	Jan-00	report
	ADB-4	Aug.22	ADB COFINANCING A Strategy for Resource Mobilization	1999	report
	ADB-5	Aug.22	ADB Official Cofinancing	1999	report
	ADB-6	Aug.22	Country Economic Review PHILIPPINES	Dec-99	
World Bank	WB-1	Aug.22	PHILIPPINES Country Assistance Strategy 1999-2002	-	
	WB-2	Aug.22	PHILIPPINES List of Ongoing Project Pipeline of Project (For July 2000 - June 2001)	Feb-00	
	WB-3	Aug.22	PHILIPPINES Rural Power Sector Policy Note	29-Jun-00	Copy
	WB-4	Aug.22	PHILIPPINES Rural Power Sector	-	Copy
	WB-5	Aug.22	Adaptable Program Loan	-	Copy
	WB-6	Aug.22	Energy Sector Restructuring & Privatization The Story So Far	-	Copy
NWRB	NWR-1	Aug.23	Department of Public Works & Highways - National Water Resource Board Function Chart -	-	copy
	NWR-2	Aug.23	Philippine Water Resource Development Project - Improvement of National Networks for Streamflow, Groundwater, and Water Quality Monitoring	-	copy
	NWR-3	Aug.23	Water Code of the Philippines (and the implementing rules and regulations)	11-Jun-79	Original

表5.2-1 現地入手資料・文献リスト (フィリピン共和国)

資料入手先	資料番号	入手日	資料名	発行年・月	資料タイプ
NEA	NEA-1	Agu.24	National Electrification Administration NEA Organization Chart	Since Jun-1993	Copy
	NEA-2	Agu.24	Linkage of Sectors involved in Philippine R.E. Program	-	Copy
	NEA-3	Agu.24	NEA-EO Relationship	-	Copy
	NEA-4	Agu.24	Level of Electrification	as of 30-Jun-00	Copy
	NEA-5	Agu.24	National Electrification Administration ENERGIZATION	as of 30-Jun-00	Copy
	NEA-6	Agu.24	Ec's Organizational Structure	-	Copy
	NEA-7	Agu.24	Financial and Statistical Report January to December 1999	-	Copy
	NEA-8	Agu.24	Power Market Report Year 1999	-	Copy
	NEA-9	Agu.24	Financial and Statistical Report CEBU I Electric Corporative INC.	Jun-00	Copy
	NEA-10	Agu.24	Rural Electrification CHRONICLE 1996 - 1998	-	Original
PNOC	PNO-1	Aug.25	1999 Annual Report PNOC Energy Development Corporation	21-Jun-00	Original
	PNO-2	Aug.25	"Breaking Barriers...Building Bridges..." LYTE Geothermal Production Field	-	Original
	PNO-3	Aug.25	Serving the Country's Energy Needs	-	Original
	PNO-4	Aug.25	Malampaya Natural Gas Project	-	Original
	PNO-5	Aug.25	Geothermal Standard Data for Investment and Operation	-	Copy
	PNO-6	Aug.25	Interim Table of Organization Energy Development Corporation (EDC)	As of Jan-2000	Copy
	PNO-7	Aug.29	San Antonio Gas Power Plant Primer	Mar-99	Color Copy
	PNO-8	Aug.29	Natural Gas Development Program	Aug-00	Color Copy
	PNO-9	Aug.29	Victoria Area Wellsite Location Plate	-	Copy
JICA	JIC-1	Sep.9	Industrial Energy Efficiency Enhancement Program, National Economic and Development Authority	Jun-00	copy
	JIC-2	Sep.9	Public Investment Staff Project Referral "Department of Energy Proposal for GOJ's FY 2001 Technical Cooperation Programs), Feasibility Study of Zamboanga Sur Mine Mouth Power Plant"	May-00	copy
	JIC-3	Sep.9	Public Investment Staff Project Referral "Department of Energy Proposal for GOJ's FY 2001 Technical Cooperation Programs), Environmental Enhancement and Clean-Up Program for NPC Power Plants and Facilities"	May-00	copy
	JIC-4	Sep.9	Public Investment Staff Project Referral "Department of Energy Proposal for GOJ's FY 2001 Technical Cooperation Programs), Establishment of a Fuel Cell Demonstration Power Plant"	May-00	copy
	JIC-5	Sep.9	Public Investment Staff Project Referral "Department of Energy Proposal for GOJ's FY 2001 Technical Cooperation Programs), Revis and Assesment of Potential for Development of Gas Prospects/Projects in the Philippines"	May-00	copy
	JIC-6	Sep.9	Technical Cooperation Program (PTTCP) for JEY 2000, Thermal Maturity Modelling of Offshore Palawan Using Palynomorphs	-	copy
	JIC-7	Sep.9	Public Investment Staff Project Referral "Department of Energy Proposal for GOJ's FY 2001 Technical Cooperation Programs), Iodine Recovery from Brine Water and"	May-00	copy
	JIC-8	Sep.9	Project-Type Technical Cooperation Program (PPTC) Proposal, Computerized Environmental Management Information System for PNOC-EDC's Energy Development Projects	-	copy
	JIC-9	Sep.9	NEDA Public Investment Staff, Implementation Plan on Master Plan of Power Development in the Province of Palawan	Jun-00	Letter to NEDA
	JIC-10	Sep.9	Public Investment Staff Project Referral "Department of Energy Proposal for GOJ's FY 2001 Technical Cooperation Programs), Master Plan for Rural Electrification with the Utilization of New and Renewable Energy Sources in the Philippines"	May-00	copy
	JIC-11	Sep.9	Mr. Ruperto P. Alonzo, Detection Blockage in Pipeline Using Radiometric Logging Equipment"	Jun-00	Letter to NEDA
	JIC-12	Sep.9	Mr. Ruperto P. Alonzo, Design Installation and Operation of a Portable online Conversion Monitoring System"	Jun-00	Letter to NEDA
	JIC-13	Sep.9	Application form for the Japan's General Grant Aid Program, Application of Renewable Energy/Diesel Hybrid System for Rural Electrification in the Philippines	Jul-00	copy
	JIC-14	Sep.9	Honorable Felipe M. Medalla, Proposed Extension of the MERALCO Rural Electrification Project	May-00	Letter to NEDA

表5.3-1 事前送付質問状 (フィリピン)

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)		Department of Energy	
PROJECT NAME: Baseline Survey on Power Sector (South-east Asia)		Plan Organization :	Department of Energy
QUESTIONNAIRE/ INFORMATION REQUIRED		Ref. No. :	
		Issue Date :	August 1, 2000
		Revision Date :	

No.	Questionnaire/Information Required	Reply	Remarks
1.	<p><b>Laws and Regulation for Power Enterprise</b>                      According to information so far obtained, the omnibus bill seems to be discussed in the Parliament (Upper &amp; Lower House Coordination Committee) as the final stage. What are the subjects still discussed? And do you expect when the law will be issued? Could we have one copy of the final draft of the text?</p>		
2.	<p><b>Restructuring of Power Sector</b>                      According to the restructuring of power sector originally proposed by NPC, the NPC will be divided into seven (7) enterprises, six (6) power generation companies and one (1) transmission company. On the other hand, subject still discussed in how generation companies should be divided, by operation area or by type of generation, or other subjects?</p>		
3.	<p><b>Incentive to NPC</b>                      We have been informed that the omnibus bill includes the incentive to NPC to reduce the power tariff rate. Please inform us of what kind of incentive are included in the above law?</p>		

表5.3-1 事前送付質問状 (フィリピン)

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)		QUESTIONNAIRE/ INFORMATION REQUIRED		Plan Organization : National Power Corporation
PROJECT NAME Baseline Survey on Power Sector (South-east Asia)				Ref. No. : Issue Date : August 1, 2000 Revision Date :

No.	Questionnaire/Information Required	Reply	Remarks
1.	<p><b>General Information</b>                      Concerning the general information of Philippine power sector, you are kindly requested to give us the following data.</p> <p>(1) Power Demand Forecast and Power Development Plan                      We have "Philippine Energy Plan 1999 - 2008" published by Department of Energy (Energy Planning and Monitoring Bureau).                      If you had changed the demand forecast and power development plan, or if you have more detailed one, could we have one copy of the latest?</p> <p>(2) NPC Annual Statistics Report 1997, 1998, 1999 (Operation Highlights)                      Could we have each one copy of the above annual report in English version?</p> <p>(3) NPC Annual Report 1997, 1998, 1999 (Financial Highlights)                      Could we have each one copy of the above annual report in English version?</p> <p>(4) Transmission Line Network Figure indicating existing, already committed and planned, and high and middle voltage are inclusive.                      We have "Philippine Energy Plan 1999 - 2008" published by Department of Energy (Energy Planning and Monitoring Bureau).                      If you had changed Transmission Line Expansion Program, or if you have more detailed one, could we have one copy of the latest?</p> <p>(5) In connection with the above transmission line network, please give us one copy of transmission expansion schedule list, indicating the planned implementation year and interconnection point, which covers all Philippine island.                      We have "Philippine Energy Plan 1999 - 2008" published by Department of Energy (Energy Planning and Monitoring Bureau).                      If you had changed expansion schedule, or if you have more detailed one, could we have one copy of the latest?</p> <p>Could we have the latest "Power System Performance Report" which NPC would prepare because it is said that NPC Annual Report has been simplified recently?</p>		
2.	<p><b>Preparation of Re-organization Figures</b>                      According to information so far obtained, NPC proposed new structure of power sector which is still discussed in the Parliament. Do you have any alternative if the Parliament reject or what figure do you draw up finally?</p>		

表5.3-1 事前送付質問状 (フィリピン)

3.	<p><b>Progress Status of Transmission Line between Visayas and Mindanao</b>          According to our understanding, the transmission line between Luzon and Visayas will be completed in the year 2004.          How about the progress status of construction of transmission line between Visayas and Mindanao, and future planning?</p>		
4.	<p><b>Power Current</b>          In the transmission network planning, the current stability analysis seems to be essential, especially for Philippine, which consists of many islands and long transmission lines.          Does NPC carry out the current stability analysis?</p>		
5.	<p><b>Emergency Operation for Dams at Flood</b>          Concerning the forecast of the rainfall, river inflow and duration at flood, what kinds of techniques are applied?          Do you have any dam operation manual in case of emergency such as flood occurrence, and if so, does the current dam operation manual work effectively?          Do you have any warning system at flood, and if so, does the current warning system work effectively?</p>		
6.	<p><b>Hydropower Development Program</b>          San Roque Hydropower Station is now under construction by IPP. Concerning the hydropower development, a consistent hydropower development program seems to be necessary to utilize water resources effectively.          Will you kindly inform us of your thinking how to develop hydropower in one basin in view of water resource development, of which IPPs are involved?</p>		
7.	<p><b>Environmental Countermeasures for IPP</b>          In Philippine, some power resources are developed and planned by IPP.          Are there any environmental laws or regulations including the EIA that IPP should follow in respect of environmental countermeasures and protection? If so, please inform us of the names of such laws and regulations?</p>		
8.	<p><b>Sediment and Water Pollution</b>          According to our knowledge, sediment in the Agno River seems to become a serious problem in view of dam operation.          Are there any rivers which are encountered or to be encountered sediment problem and/or water pollution? If so, do you prepare any countermeasures?</p>		

<p>9.</p>	<p><b>Maintenance of Power Facilities</b> As shown in the case of Anbuklao Hydropower Station, the maintenance of power facilities in Philippine seems to present some difficulties.</p> <p>Do you have any maintenance manuals for hydropower and thermal power facilities? Are there any bottlenecks which cause the difficulties of power facilities maintenance?</p> <p>In connection with the power facilities maintenance, please inform us of the existing power facilities data by power plant type origin, of which data consists of:</p> <ol style="list-style-type: none"> <li>(1) Name of power station</li> <li>(2) Installed capacity (MW)</li> <li>(3) Numbers of generator unit x unit capacity</li> <li>(4) Installed year for each unit (Year)</li> <li>(5) Generation energy in the latest year (GWh)</li> </ol> <p>We have main existing power facilities list as of December 1996. If you have the latest list, please give us one copy of the latest one.</p>		
<p>10.</p>	<p><b>Rehabilitation and Upgrading Schedule</b> According to our knowledge concerning the thermal power facilities in Philippine, some of those are deteriorated and cannot be operated. Could you inform us of the thermal power stations, which are now out of operation, including the following information:</p> <ol style="list-style-type: none"> <li>(1) Name of power station</li> <li>(2) Construction year</li> <li>(3) Installed Capacity (MW)</li> <li>(4) Retired year</li> </ol> <p>Do you have any plans for rehabilitation and/or upgrading of existing and/or retired power stations? If you have, please inform us by written form.</p> <p>Do you have any fuel conversion plans for the existing power stations? If you have, please inform us by written form including the following information:</p> <ol style="list-style-type: none"> <li>(1) Name of power station</li> <li>(2) Fuel conversion from : to</li> <li>(3) Schedule of fuel conversion (year)</li> </ol>		
<p>11.</p>	<p><b>Rural Electrification Program</b> According to our understanding, the rural electrification in Philippine seems to still remain in the unsatisfied condition due to the some difficulties, such as organization, finance, man of ability, etc. Do you have some rural electrification program? If so, please give us one copy of the text. And if you have, have World Bank, ADB and JBIC assisted you, when you developed the program?</p>		

12.	<p><b>Investigation on Hydropower Potential in non-electrification area</b>                  Micro run-of-river power station seems to still play the key role in the rural electrification, especially in remote area.                  Do you have some plans for hydropower potential investigation in non-electrification area, or hydropower potential in non-electrification area has been conducted already?                  If you did, please inform us by written form.</p>		
13.	<p><b>Investigation on Wind Power Generation Potential in non-electrification area</b>                  According to our knowledge, a wind power generation has been prevailing recently as one of the power supplies for rural (remote) areas.                  Do you have some plans for wind power generation potential survey in non-electrification area, or wind power generation potential in non-electrification area has been conducted already?                  If you did, please inform us by written form?</p>		
14.	<p><b>Financial Analysis of NPC and Power Tariff</b>                  According to our knowledge, the current power tariff in Philippines seems to be the highest ones in South-east Asia. And it is our understanding that NPC and DOE make an effort to reduce the power tariff.                  Are there any bottlenecks which prevent NPC from reducing the power tariff? If so, please inform us of those bottlenecks and your thinking how to overcome the bottlenecks.</p>		

表5.3-1 事前送付質問状 (フィリピン)

<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)</p>		<p>QUESTIONNAIRE/ INFORMATION REQUIRED</p>		<p>Plan Organization : MERALCO</p>
<p>PROJECT NAME: Baseline Survey on Power Sector (South-east Asia)</p>				<p>Ref. No. : Issue Date : August 1, 2000 Revision Date :</p>

No.	Questionnaire/Information Required	Reply	Remarks
1.	<p><b>General Information</b> Concerning the general information of MERALCO operation and financial performance, you are kindly requested to give us the following data. (1) MERALCO Annual Report 1997, 1998, 1999 (operation and financial highlights) We don't have any information of MERALCO concerning the operation and financial performance, so please give us each one copy of the above reports, if you have.</p>		
2.	<p><b>Price-Setting</b> According to our internal data (Pricing and Reform in the Philippines Electricity Supply Industry, prepared by London Economics, September 1999), NPC's wholesales price to MERALCO is about 1.8 P/kWh. On the other hand, MERALCO's average retail price to consumers is estimated at 2.7 P/kWh roughly and this average tariff is 1.5 times of the above wholesales price. The power tariff of 2.7 P/kWh is equivalent to about 7.0 Yen/kWh in Japanese currency and seems to be rather expensive considering the GDP per capita (\$70 \$ in 1998) in Philippine.  Will you kindly explain for the cost components of your power tariff by written form?</p>		
3.	<p><b>Participation in IPP</b> According to our latest knowledge, MERALCO has intention to participate in IPP projects. If you have any specified plans for the participation in IPP projects. Will you kindly inform us of the above plans by written form?</p>		

表5.3-1 事前送付質問状 (フィリピン)

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)		QUESTIONNAIRE/ INFORMATION REQUIRED	
PROJECT NAME: Baseline Survey on Power Sector (South-east Asia)		Plan Organization : National Electrification Administration	
		Ref. No. :	
		Issue Date : August 1, 2000	
		Revision Date :	

No.	Questionnaire/Information Required	Reply	Remarks
1.	<p><b>Preparation of Law or Regulation on Rural Electrification</b>                      According to information so far obtained, the omnibus bill seems to be discussed in the Parliament (Upper &amp; Lower House Coordination Committee) as the final stage. What are the subjects still discussed? And do you expect when the law will be issued? Could we have one copy of the final draft of the text?</p>		
2.	<p><b>Preparation of Restructuring of RECs</b>                      In the above mentioned circumstances, what is the latest situation of restructuring of RECs organization? Could we have one copy of the restructuring figure?</p>		
3.	<p><b>Rural Electrification Program</b>                      According to our understanding, the rural electrification in Philippine seems to still remain in the unsatisfied condition due to the some difficulties, such as organization, finance, man of ability, etc.                      Do you have some rural electrification program? If so, please give us one copy of the text. And if you have, have World Bank, ADB and JBIC assisted you, when you developed the program?</p>		
4.	<p><b>Assistance to RECs by JBIC</b>                      JBIC dispatched the authorized accountant to NEA and RECs in 1996 in order to advise the financial management of NEA and RECs.                      We would like to know whether the advices were effective and useful for NEA and RECs management or not.                      If not, please inform us why such advices were not effective and useful.</p>		

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)		Plan Organization : World Bank	
PROJECT NAME: Baseline Survey on Power Sector (South-east Asia)		Ref. No. :	Issue Date : August 1, 2000
QUESTIONNAIRE/ INFORMATION REQUIRED		Revision Date :	

No.	Questionnaire/Information Required	Reply	Remarks
1.	<p><b>On-going Technical Assistance and Relevant Reports</b>                      According to our knowledge so far obtained, the World Bank is putting stress in his assistance to privatization, restructuring and /or implement of power sector presently owned by the government.                      In this regard, could we have one copy of list of on-going projects under World Bank's Technical Assistance including project outline, period (schedule), and progress or results so far obtained?</p> <p>Concerning your technical assistance policy to Philippine, Will you kindly give us the following relevant reports:                      (1) The latest Country Report                      (2) Appraisal Reports of on-going projects of which the power sector are involved                      (3) Philippine Country Assistance Strategy (CAS)                      (4) Philippine Poverty Reduction Strategy Paper, if</p>		

表5.3-1 事前送付質問状 (フィリピン)

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)		Plan Organization : Asian Development Bank	
PROJECT NAME: Baseline Survey on Power Sector (South-east Asia)		Ref. No. :	Issue Date : August 1, 2000
		Revision Date :	
<b>QUESTIONNAIRE/ INFORMATION REQUIRED</b>			

No.	Questionnaire/Information Required	Reply	Remarks
1.	<p><b>On-going Technical Assistance and Relevant Reports</b>                      According to our knowledge so far obtained, the ADB is putting stress in his assistance to privatization, restructuring and /or implement of power sector presently owned by the government. In this regard, could we have one copy of list of on-going projects under ADB's Technical Assistance including project outline, period (schedule), and progress or results so far obtained?</p> <p>Concerning your technical assistance policy to Philippine, Will you kindly give us the following relevant reports:                      (1) The latest Country Report                      (2) Appraisal Reports of on-going projects of which the power sector are involved                      (3) Philippine Country Assistance Strategy (CAS), if you have.</p>		