最新 S/W集

(暫定版)

JICA LIBRARY



昭和61年12月

企画部地域課

暫定版への前書き

現行のScope of Work の基本パターンができて3年が経ち、さまざまな国でこれにのっとったS/Wが署名されました。これは最近のS/Wを国別にとりまとめたものです(1ヵ国につき1種のみ取り上げています)。

基本パターンによって、事前調査派遣に先立つ各省会議等の場での英文法、成句、前置詞の選択などについての議論はめっきり少なくなったものの、相手国の事情を考慮して、ときには基本パターンにとらわれないS/Wがあってもよいのではないかという論議があり、在外事務所長会議でも、事前調査団の裁量の巾を大きくし、基本パターンの「ちょっとした」手直しについてまで東京に請訓する現状をかえてもらえないかという意見が出ています。

各国別S/W基本パターンというのが、そこで一つの作業目標として浮んで来るようにも思われます。

なお、外務省の教示もあり、署名済みS/Wを参考資料として他国に提示することはおやめ下さい。

また、今回収録の対象となっていない国について、新たにS/W署名が行われた場合はご一報下さい。

1986年 12月 企 画 部 地 域 課

国際協力等	茶間
受入 '87, 2.13	000
/\$ 43	36
No. 15979	PLC

É

4

署名済最新	S/W集目次				
地域	国 名	プロジェクト名	署名年月日	担当	ì
アジア	パングラデシュ	ダッカ 雨水排水	1986.06.05	明二	
	ブータン	ルンチ・モンゴル地区総合農業	1986.07.26	農 技	
	プルネイ				
	LNA	LNG 開発	1985.06.22	工調	
	中国	観音閣列	1986.09.29	開二	
	インド	バンフール 製鉄所	1986.03.07	工調	
	インドネシア	島しょ間交通	1986.09.10	期 —	
	韓国				
	ラオス				
	マレイシア	サラワク小 水 力	1986.08.09	資 調	
	ネパール	繊維工場建設	1985.12.18	工調	
	バキスタン	クスダール 地域資源	1986.10.02	資 調	
	フィリピン	マガット灌 漑 管 理	1985.11.20	農林) 1
	シンガポール				
	スリ・ランカ	ガンバハ農 林地区総合	1986.04.10	農技	:
	91	トラックターミナル	1986.10.20	開一	
					<u> </u>
中近東	アルジェリア				
	メ ルレーン				
	エジフト	ディケーラ 製 鉄 所	(1987.01.12)	工調	
	イラン				
	イラク			· I	
	ジョルダン	カラク地域総合開発	1985.12.09	特 調	
	Eu»3	ウジュダ州地下水農地開発	1985.12.12	農技	
	オマーン	リティジシ 農業開発	1984.07.18	農技	
	カタール	F-N 市地下水排水対策	1985.10.08	期二	
	サウディ・アラビア	海水淡水化技術協力	1982.01.12	資 調	
	スーダン				.
	テュニジア	国土基本図作成	1984.12.14	開一] :
	 	ディキリ・ベルガマ 地熱	1986.01	資調	: ا
					_
アフリカ	カメルーン	バイゴン農業開発			
	ガーナ	アスチェアレ地 区 灌 漑			
	 象 牙 海 岸	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	ケニア	ナイロビ・バイバス 計画	1986.07.04	開一	2
	リベリア				-
	[Į

署名済最新 S	5/W集目次				
地域	国 名	プロジェクト名	署名年月日	担当	通番
アフリカ	118 112				
	ナイジェリア				
	ルワンダ セネガル	小規模農村開発計画	1985.07.31	農技	23
		がが、機構や開発計画	1983.07.01	資調	2 4
	スワジランド	1// 石 灰	1903.07.01	风刷	24
	タンザニア				:
	h-d 	ッジロットンインファンター 光 2世 思い	1986.06.28	開一	2 5
	ザイール	ソジリ・キンパンスケ鉄道建設			ĺ
	ザンピア ジンパフェ	燐酸肥料工場建設 マシンゴ州中規模灌漑	1986.08.19 1986.02.20	工調農技	2627
			an gartina a	1.4	
	7 9	パギンタ農 業 期 発	1985.07.01	農技	28
바마다	アルゼンティン	ヤシレタダム隣 接 地 農 業	1986.09.16	農技	29
中南米		サンアントニオ 地域開発計画	1986.09.05	資調	3 0
	ボリヴィア		1986.02.24	i	
	ブラジル ファ	ノルメイロボリス資源基礎		資調	3 1
	∮ リ	トロロバンバ地下水農業	1986.05.12	農技	3 2
	משעע די	キンディオ 県農業開発	1986.07.28	農技	3 3
	コスタリカ	リモン地区農林総合開発	1986.08.12	農技	3 4
	ドミニカ共和国	ラスカニータス 地域資源	1986.06.03	資調	3 5
	エクアドル	┃ チェスヒ水 力 発 電	1984.08.08	資 調	3 6
	グッテマラ				
	ガイアナ				
	ハイティ				
	ホンデュラス				
	メキシコ	うりロカルデナス船 舶 修 理	1986.10.01	開二	3 7
	パナマ				
	バラグァイ	燐酸肥料工場建設	1986.02.14	工調	38
	ベルー	リマック川 防 災 対 策	1986.11.10	開二	3 9
	ウルグアイ	紙バルフ	1984.09.06	工調	·4 0
	ヴェネズエラ				
	ジャマイカ	リオ・コブレ農 業 開 発	1985.12.16	農技	4 1
			· · · · · · · · · · · · · · · · · · ·		
大洋州	フィジ-	水 産 資 源	ř.		
	キリバス				
	パプア・ニューギニア	1			
	トウヴァル	水産資源			
	西サモア	全国港湾整備総合	1986.08.05	開一	4 2
国際機関	CCOP/SOPAC				

SCOPE OF WORK

FOR

STUDY ON STORM WATER DRAINAGE SYSTEM IMPROVEMENT PROJECT

IN

DHAKA CITY

AGREED UPON BETWEEN

JAPAN INTERNATIONAL COOPERATION AGENCY

AND

THE GOVERNMENT OF BANGLADESH

BANGLADESH, JUHE 5,

1986

Kallala 5.6,86

Mr.M.A.Hakim

Joint Secretary

Local Government Division,

Ministry of Local Government,

Rural Development and Cooperatives

Government of Bangladesh

Jatouc Jakeuchi

Mr.TAKEUCHI Tatsuo

Leader of

Preliminary Survey Team,

Japan International

Cooperation Agency

I. INTRODUCTION

<u>()</u>

In response to the request of the Government of the People's Republic of Bangladesh (hereinafter refer to as "the Government of Bangladesh") the Government of Japan decided to conduct the Study on Storm Water Drainage System Improvement Project in Dhaka City (hereinafter referred to as "the Study"), in accordance with the relevant laws and legulations in force in Japan.

Accordingly, the Japan International Cooperation Agency (hereinafter referred to as "JICA"), the official agency responsible for the implementation of the technical cooperation programmes of the Government of Japan, will undertake the Study, in close cooperation with the authorities concerned of the Government of Bangladesh.

The present document sets forth the Scope of Work with regard to the Study.

J.J

II. OBJECTIVES OF THE STUDY

The objectives of the Study are:

- 1. to prepare a phased program on the storm water drainage system improvement project in Dhaka city and to identify the top priority area.
- 2. to conduct a feasibility study on the storm vater drainage system improvement Project in the aforementioned top priority area (the Project area).

- 1. The Study area for the phased program shall cover the existing developed area of Dhaka city.
 - It is approximately 260 Km and is shown in the Attached map.
- 2. The Project area for the feasibility study will be selected from the result of the phased program study.

IV. OUTLINE OF THE STUDY

In order to achieve the objectives mentioned above, the Study shall cover the following items:

- 1. Data collection and analysis
 - (1) land use, topographical map
 - (2) drainage or related facilities
 - (3) city development plan, road-traffic system
 - (4) population
 - (5) meteorology and hydrology
 - (6) soil and geological condition
 - (7) past storm damages
 - (8) previous studies concerned
 - (9) administration and socio-economic condition
- (10) others
- 2. Survey on past storm damages
- 3. Review of previous studies concerned
- Preparation of a phased program on storm water drainage system improvement project in the Study area
- 5. Identification of the top priority project area

J.J.

ري دري

6. Ground Jarvey

- (1) longitudinal and sectional survey for drainage channels and rivers
- (2) topographic survey for proposed major facilities
- 7. Study on basic plan for storm water drainage in the top priority area identified
- 8. Preliminary design of main facilities
- 9. Preliminary design of other related facilities
- 10. Construction programme
- 11. Operation and maintenance programme
- J. 12. Project cost estimation

0

- 13. Benefit estimation
- 14. Financial evaluation
- 15. Socio-economic impact
- 16. Project justification

V. SCHEDULE OF THE STUDY

The Study will be performed in accordance with the tentative study shedule drawn in the appendix.

VI. REPORTS

JICA will prepare and submit the following reports in English to the Government of Bangladesh.

1. Inception Report;

Twenty (20) copies at the commencement of the field survey in Bangladesh

2. Progress Report;

Twenty (20) copies within five (5) months after commencement of the Study.

-3. .Interim Report;

Twenty (20) copies within eight (8) months after commencement of the Study.

4. Draft Final Report;

Twenty (20) copies within eleven (11) months after commencement of the Report.

The Government of Bangladesh will provide JICA with its comments within two (2) months after its reception of the Draft Final Report.

5. Final Report;

Fifty (50) copies each within two (2) months after JICA's reception of the said comments on the Draft Final Report.

VI. UNDERTAKINGS OF THE GOVERNMENT OF DANGLADESH

- 1. To facilitate smooth conduct of the Study, the Government of Bangladesh shall take necessary measures:
 - (1) to secure the safety of the Japanese Study Team for the Study (hereinafter referred to as "the Team").
 - (2) to permit the members of the Team to enter, leave and stay in Bangladesh for the duration of their assignment therein, and exempt them from alien registration requirements and consular fees.
 - (3) to exempt the members of the Team from taxes, duties and other charges on equipment, machinery and other materials brought into Bangladesh for the conduct of the Study.
- (4) to exempt the members of the Team from income tax and other charges of any kind imposed on or in connection with any emoluments or allowances paid to the member of the Team for their services in connection with the implementation of the Study.
- (5) to provide necessary facilities to the Team for remittance as well as utilization of the funds introduced into Bangladesh from Japan in connection with the implementation of the Study.
- (6) to secure permission for entry into private properties or restricted areas for the conduct of the Study.
- (7) to secure permission for the Team to take all data and documents (including photographs and maps) related to the Study out of Bangladesh to Japan.
- (8) to provide medical services as needed. Its expenses will be chargeable on members of the Team.

77

HAT

 $\hat{\mathcal{C}}^{\circ}$

- 2. The Government of Bangladesh shall bear claims, if any arises against the members of the Team resulting from, occurring in the course of, or otherwise connected with the discharge of their duties in the implementat On of the Study, except when such claims arise from gross negligence or willful misconduct on the part of the members of the Team.
- 3. The Department of Public Health Engineering (hereinafter referred to as "DPHE") shall act as counterpart agency to the Team and also as coordinating body in relation with other governmental and non-governmental organizations concerned for the smooth implementation of the Study.
- 4. DPHE shall, at its own expense, provide the Team with the following, in cooperation with other relevant organizations concerned, if necessary:
 - (1) available data and information related to the Study
 - (2) counterpart personnel and support staff necessary for the Study
 - (3) suitable office space
 - (4) credentials or identification cards.
 - (5) One (1) four-vheeled drive vehicle, drivers and fuel
 - (6) longitudinal and cross-sectional survey for drainage channels and rivers
 - (7) topographic survey for proposed main facilities

VIII. UNDERTAKINGS OF JICA

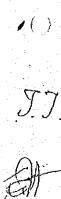
For the Opplementation of the Study, JICA shall take the following measures:

- 1. to dispatch, at its own expense, the Team to Bangladesh.
- 2. to perform technology transfer to the Bangladesh counterpart personnel in the course of the Study.

IX. CONSULTATION

KAT

JICA and Ministry of Local Government, Rural Development a Co-operatives (Local Government Division) will consult each of er in respect of any matter that may arise from or in connection the study.



APPENDIX

TENTATIVE SCHEDULE

			~ 1 × -
ເກ			<u>(† .</u>
1.4	\wedge		
. 65			
12			DF/R
	1941		ä
0			
ဂ			17/B
ω :	niil		
2			
9			
വ			4 Z Z
4			
က			
2			
sI			IC/R
I TEN HOHTH	STUDY IN BAHGLADESH	STUDY IN JAPAN	REPORT

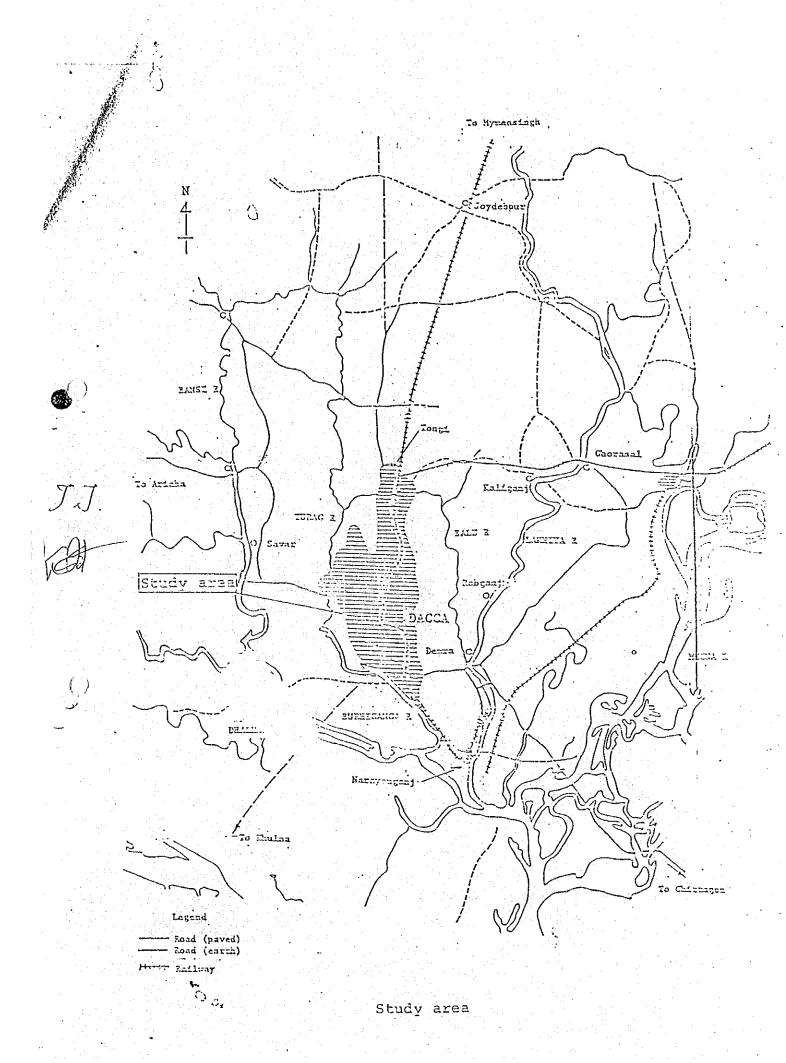
IC/R : Inception Report IT/R : Interim Report

DF/R : Draft Final Report P/R : Progress Report

: Comment

Final Report F/R :

D()



SCOPE OF WORK

FOR

THE FEASIBILITY STUDY

ON-

THE LHUNTSHI AND MONGAR
INTEGRATED AGRICULTURAL DEVELOPMENT PROJECT

Mr. Hikaru Itou

Vikary II

Leader of the Preliminary

Survey Team,

Japan International Cooperation Agency
JICA

HINIBTRY JERISULTUZE

I. INTRODUCTION

In response to the request of the Royal Government of BHUTAN, the Government of Japan decided to conduct the Feasibility Study on the Lhuntch and Mongar Integrated Agricultural Development Project (hereinafter referred to as "the Study"). Accordingly the Japan International Cooperation Agency (hereinafter referred to as "JICA"), the official agency responsible for the implementation of technical programme of the Government of Japan, will undertake the Study in close cooperation with the authorities of the Royal Government of BHUTAN. The present document sets forth the Scope of Work for the Study.

II. OBJECTIVE OF THE STUDY

The objective of the Study is to examine the technical, economic and financial feasibility of the Lhuntch and Mongar Integrated Agricultural Development Project.

III. OUTLINE OF THE STUDY

In order to achieve the objective mentioned above, the Study shall cover the following items:

1. Project area

The project covers total study area of about 2,000ha in Lhunch and Mongar district including 17 sites already cultivated

2. Scope of the Study

The activities to be undertaken by the Japanese Study Team will be devided into two stages as follows.

1) Phase I (Pre-Feasibility) Study:

To conduct the preliminary study on the integrated agricultural development project.

2) Phase II (Feasibility) Study:

To conduct the feasibility study of the Lhuntch and Mongar Integrated Agricultural Development Project based on the results of the phase I Study.

- 2-1. Work Plan for the Phase I Study
 - (1) To carry out data collection and field survey on the following items
 - a. Topography
 - b. Meteorology
 - c. Hydrology
 - d. Geology
 - e. Soil
 - f. Irrigation and Drainage
 - g. Land use
 - h. farming Practice
 - i. Rural infrastructure
 - j. Agro/regional economy and institutions
 - k. Others
 - (2) To formulate a basic development concept
- 2-2. Work plan for the Phase II Study
 - 1) To Study the following items
 - a. Soil and land classification survey
 - b. Geological survey
 - c. Land conservation survey
 - d. Socio-economic survey
 - e. Regional economic and agro-institutional survey
 - f. Others
 - 2) To determine the following basic items for the development plan
 - a. Project area
 - b. Land use
 - c. Cropping pattern
 - d. Water requirements
 - e. Irrigation systems
 - f. Estimation of yields
 - g. Agro-institutional plan
 - h. Rural infrastructure
 - i. Others

- 3) Formulation of the integrated development plan
- 4) Preliminary design of the major structures
- 5) Operation and maintenance
- 6) Preparation of the implementation schedule
- 7) Estimation of the project cost and benefit
- 8) Evaluation of the project
- 9) Recommendation

IV. WORK SCHEDULE

The whole work will be cared out in accordance with the attached tentative schedule (Sec Appendix I)

V. REPORTS

JICA will prepare and submit the following reports in English to The Royal Government of BHUTAN

1. Inception Report:

Twenty(20)copies at the commencement of the Field Study (PHASEI)

2. Progress Report:

Twenty(20)copies at the end of the field Study (PHASE I)

3. Interim Report:

Twenty(20)copies at the commencement of the Field Study (PHASEII)

4. Draft Final Report

Twenty(20)copies at the completion of the home-office work (PHASE II), Within a month after the presentation of the Draft Final Report, the Royal Government of BHUTAN shall forward the final comments on the Draft Final Report to JICA through the Embassy of Japan in India.

5. Final Report:

Fifty(50)copies within two(2)months after receiving the comments on the Draft Final Report from the Royal Government of BHUTAN.

VI. UNDERTAKING OF THE ROYAL GOVERNMENT OF BHUTAN

- 1. To facilitate smooth conduct of the Study, the Royal Government of BHUTAN shall take necessary measures.
 - 1) To secure the safety of the Study Team.
 - 2) To permit the members of the Study Team to enter, leave and sojourn in the Royal Government of BHUTAN for the duration of their assignment therein, and exempt them from alien registration and consular fees.
 - 3) To exempt the members of the Study Team from taxes, duties and other charges on equipments, machinary and other materials brought into the Royal Government of BHUTAN for the conduct of the Study.
 - 4) To exempt the members of the Study Team from income tax and other charges of any kind imposed on or in connection with any emoluments or allowances paid to the members of the Study Team for their services in connection with the implementation of the Study.
 - 5) To provide necessary facilities to the Study Team for remittances as well as utilization of the funds introduced into the Royal Government of BHUTAN from Japan in connection with the implementation of the Study.
 - 6) To secure permission for entry into private properties or restricted areas for the conduct of the Study.
 - 7) To secure permission for the Study Team to take all data and documents (including photographs) related to the Study out of the Royal Government of BHUTAN to Japan.
 - 8) To provide medical services as needed.
- 2. BHUTAN shall bear claims, if any arises against the members of the Study Team resulting from, ocurring in the course of, or otherwise connected with the discharge of their duties in the implementation of the Study, except when such claims arise from gross negligence or wilful misconduct on the part of the members of the Study Team.

- 3. Ministry of Agriculture and Forestry (hereinafter referred to as "MAF") shall act as the counterpart agency to the Study Team and also as coordinating body in relation with other governmental and non-governmental organizations concerned for the smooth implementation of the Study.
- 4. MAF shall, at its own exepense, provide the Study Team with followings, in cooperation with other relevant organizations:
 - 1) Available data and information related to the Study,
 - 2) Counterpart personnel
 - Suitable office space with necessary equipments in Timpu, Lhuntch and Mongar
 - 4) Appropriate number of vehicles with drivers in the project area
 - 5) Credentials or identification cards

VII. UNDERTAKING OF JICA

For the implementation of the Study, JICA shall take the following measures:

- 1. To dispatch, at its own expenses, Study Team to the Royal Government of BHUTAN,
- 2. To pursue technology transfer to counter personnel in the course of the Study,
- 3. To provide equipments necessary for the Study.
- MI. JICA and MAF shall consult with each other in respect of any matter that may arise from or in connection with the Study.

TENTATIVE SCHEDULE

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Field and																
Office Work in BHUTAN																,_,_,
Office Work in Japan									_		—		=			
Submission of Report	△ Inc	, R		△ P.R					△ 1.	R				S R		△ F.R
Remarks	: -		Pha	se I	St	udy-			J L		P ha	ise I	I St	udy-		

Inc.R. Inception Report

P.R. Progress Report

1.R. Interim Report

D.R. Draft Final Feasibility Study Report

F.R. Final Feasibility Study Report

SCOPE OF WORK

FOR

THE FEASIBILITY STUDY

ON

THE INTEGRATED LIQUEFIED PETROLEUM GAS PROJECT (PHASE III)

IN

THE SOCIALIST REPUBLIC OF THE UNION OF BURMA

AGREED UPON BETWEEN

THE JAPAN INTERNATIONAL COOPERATION AGENCY

AND

THE PETROCHEMICAL INDUSTRIES CORPORATION

Tokyo: 22nd: April, 1985

Rangoon: 9th: April, 1985

- alutes-

Shinya NAKAT

Leader, Japanese Preliminary

Survey Team

U Tin Maung Aye

Managing Director

Petrochemical Industries

Corporation

SCOPE OF WORK

FOR

THE FEASIBILITY STUDY

ON

THE INTEGRATED LIQUEFIED PETROLEUM GAS PROJECT (PHASE III)

IN

THE SOCIALIST REPUBLIC OF THE UNION OF BURMA

AGREED UPON BETWEEN

THE JAPAN INTERNATIONAL COOPERATION AGENCY

AND

THE PETROCHEMICAL INDUSTRIES CORPORATION

Rangoon: Zand. June, 1985

Shinya NAKAI

Leader, Japanese Preliminary

Survey Team

U Tin Maung Aye
Managing Director
Petrochemical Industries

Corporation

I. Introduction

In response to the request of the Government of the Socialist Republic of the Union of Eurma (hereinafter referred to as "GSRUB"), the Government of Japan has decided to conduct a feasibility study on the Integrated Liquefied Petroleum Gas Project (Phase III) (hereinafter referred to as "the Study") in accordance with the laws and regulations in Japan.

The Japan International Cooperation Agency (hereinafter referred to as "JICA") the official agency responsible for the implementation of the technical cooperation programs of the Government of Japan will undertake the Study in close cooperation with the authorities of the Socialist Republic of the Union of Burma.

The present Document sets forth the Scope of Work with regard to the Study.

- II. Basic Project Concept Proposed by GSRUB
- 1. The Integrated Liquefied Petroleum Gas Project (hereinafter referred to as "the Project") is composed of the
 3 phases as follows:

2-7

dy-

Phase I: part one

Installation of one coking plant with capacity of 5,200 B.P.3.D. using topped crude as feedstock at the Syriam Refinery equipped with facilities to produce approximately 8,000 metric tons of internationally acceptable quality liquefied petroleum gas (L.P.G.) in addition to premium motor-spirit, regular motor-spirit; diesel-oil and petroleum coke.

Phase I: part two

- (1) Installation of terminals for L.P.G. at Syriam Refinery Complex and Mann Refinery Complex. The terminal at Syriam is to be adequately sized to accommodate 114,000 metric tons on final annual basis as follows.
 - (i) L.P.G. production from Syriam Refinery (8,000 metric tons)
 - (ii) Mann Refinery (15,000 metric tons)
 - (iii) Mann oil-field (30,000 metric tons)
 - (iv) Htantabin oil field (61,000 metric tons)
- (2) The terminal at Syriam is to be equipped to receive L.P.G. from special river crafts (barges) and to load L.P.G. into export tankers.
- (3) Procurement of 4 Nos. special river crafts (barges) to enable transport of L.P.G. from terminal at Mann Refinery complex to Syriam terminal.

of .

8.7

Phase II:

- (1) Impail thin of one l..... extraction plant with capacity of M. (10), 200 standard cubic feet per day (1.1.4.1.). Main, associated gas as feedstock at Mann old-field.
- (2) Installation of L.F.7. pipe line from the Extraction Plant to terminal at Mann Refinery Complex.

Thase III;

- (1) Installation of one unit of L.P.G. extraction plant with capacity of 50,000,000 S.C.F.P.D. using associated gas as feedstock at Htantabin, Myanaung and Shwepyitha oil fields.
- (2) Auxiliary facilities to receive, store and load

 L.P.G. production into special river crafts (barges).
- (3) Procurement of special river crafts (barges) to enable transport L.P.G. from Htantabin oil field to Syriam terminal.
- 2. Expected Production of L.P.G. per annum

8,000 metric tons from Syriam Refinery (Phase I: part one)
15,000 metric tons from the Mann Refinery (Phase I: part two)
30,000 metric tons from Mann oil-field (Phase II)
61,000 metric tons from Htantabin oil-field (Phase III)
(total production of L.P.G. per annum is 114,000 metric tons)

III. Objective of the Study

The objective of the Study is to examine the feasibility of Phase III from economic and technical points of view.

8.7

E.

IV. Scope of fork

In order to achieve the above objectives, the Study will cover the following aspects:

1. Areas

- (1) Syriam (Receiving Nain Perminal)
- (2) Kyangin North, Lyangin South (Loading Terminal and Jetty Sites)
- (3) Kyangin North and Kyangin South (L.F.G. Plant Sites)
- (4) Htantabin Oil Field, Myanaung Oil Field, Shwepyitha Oil Field (Feedstock Sources)
- (5) Seiktha Methanol Plant, Kyangin Cement Mill,
 Myanaung E.P.C. Power Station (Lean Gas Users)

2. Data Collection

- (1) Natural Condition
 - 1) Location
 - 2) Topography
 - 3) Geography
- (2) Feed Stock
 - 1) Quantity
 - 2) Quality
 - 3) Composition
 - 4) Price
- (3) L.F.G. Production
 - 1) Quantity
 - 2) Quality
 - 3) Composition
 - 4) Price

Ol

2-7

- (4) Storages, Loading Facilities and Pransportation
 - 1) "Road
 - 2) River
 - 5) Perminals
 - 4) Port
- (5) Infrastructure and Utilities
 - 1) Electricity
 - 2) · later
 - 3) Air
 - 4) Others
- (6) Present Situation of Phase I and Phase II
- 3. Conceptual Design
 - (1) The L.P.G. extraction plant at Kyangin North or Kyangin South..
 - 1) Capacity
 - 2) Site
 - 3) Lay-out
 - 4) Facilities including feedstock and lean gas pipelines.
 - 5) Processing
 - (2) Special river crafts (barges) for transportation of L.P.G.
 - 1) Capacity
 - 2) Quantity
 - 3) *Гуре*

• 5 -

TÊ.

SN

- (3) The terminals and Jetties at Eyantin North or Fyantin South and Dyriam for L.T.:
 - 1) Japacity
 - 2) | Site
 - 3) Iay-out
 - 4) Facilities
- 4. Management
- 5. Marketing
- 6. Investment and Operating Costs
- 7. Implementation Schedule
- 8. Economic and Financial Analysis
- 9. Overall Evaluation and Recommendations
- V. Steps and Schedule of the Study
- 1. Steps

Step 1: Preparatory Office Work

Step 2: Field York in Burma

Step 3: Home Office Work in Japan

Step 4: Presentation of and Discussion on the Draft

Final Report

2. Schedule

As shown in Annaxure I.

VI. Reports

JICA shall prepare and submit the following reports written in English to GSRUB.

- 1. Inception Report at the begining of Step 2:5 copies
- 2. Progress Report at the end of the Step 2: 10 copies
- Draft Final Report and its summary within 2 ½ (two and one half) months after commencement of the step 320 copies
- 4. Final Report and its summary within 1 ½ (one and one half) months after the receipt of comments on the Draft Final Report by P.I.C.: 50 copies

VII. Undertaking of GSRUB

- 1. To facilitate smooth conduct of the Study, GSRUB shall take necessary measures:
 - (1) to secure the safety of the Japanese study team
 - (2) to permit the members of the Japanese study team to enter, leave and sojourn in Burma for the duration of their assignment therein, and exempt from alien registration requirements and consular fees
 - (3) to exempt the members of the Japanese study team from taxes, duties, fees and other charges on equipment, machinery and other materials brought into Burma for the conduct of the Study

- 7 -

H

S.