

3)分析項目と分析単価

(単位：円)

Cr <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	MgO
6,000	5,500	6,000	6,000	5,500
CaO	S	P	試料調整	
5,500	6,000	6,000	2,500	

(3)マンガン

- 1)これまでに知られているマンガンの賦存地域は、4-2-(3)で述べられたごとく4ヵ所である。過去の資料・文献により有望鉱床と考えられる所があれば、1ヵ所選定し、分析用試料を採取する。

2)分析項目と分析単価

(単位：円)

Mn	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	P	資料調整
5,500	5,500	6,000	6,000	6,000	2,500

(4)ラテライトニッケル

- 1)2ヵ所に賦存しているが、資料・文献調査により稼行対象となりうると判断される場合は、より有望な1ヵ所で分析用試料を採取する。

2)分析項目と分析単価

(単位：円)

Ni	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Co	資料調整
5,500	5,500	6,000	6,000	6,000	2,500

(5)鉛、亜鉛

- 1)Hadadibah Nujum の鉱床が知られているが、資料・文献調査により有望と判断できれば、分析用試料を採取する。

2)分析項目と分析単価

(単位：円)

Pb	Zn	S	Cu	Au	Ag	資料調整
5,500	5,500	6,000	5,500	7,000	6,000	2,500

#### (6)石灰石

1)ルセイルおよびライサットのセメント工場向け石灰石については、既に品位は判明していると考えるので、サンプルの採取は行わず、セメント工場での分析結果を参照する。

ただし、両工場とも増産計画が検討されており、これにともなって新規鉱床の開発が計画されている場合、蛍光X線分析用試料を採取する。

#### 2)分析項目と分析費

蛍光X線分析により、 $\text{SiO}_2$ 、 $\text{Al}_2\text{O}_3$ 、 $\text{Fe}_2\text{O}_3$ 、 $\text{TiO}_2$ 、 $\text{CaO}$ 、 $\text{MgO}$ 、 $\text{Na}_2\text{O}$ 、 $\text{K}_2\text{O}$  を分析する。分析試料1コ当たりの分析費は約18,000円( 試料調整費を含む)である。

#### (7)ドロマイト

オマーンでは工業用( 例：マグネシア耐火物) ドロマイト鉱床の品質調査を実施中である。前記4-3-(3)の地区、あるいはその後に発見された地区の中で最も有望視される1～2 鉱床からそれぞれ蛍光X線分析用試料を採取する。稼働採石場の品位は、過去あるいは現在の分析結果から判断する。

#### (8)石膏

1)セメント工場向けに稼働中のWaddi Harazon を含め、他の4 地区で工業用石膏( 例：石膏ボード、石膏プラスター、陶磁器型材用) あるいは輸出可能品位となりうる1～2 の鉱床から化学分析用試料を採取する。

#### 2)分析項目と分析単価

(単位：円)

CaO	So <sub>3</sub>	結晶水	lg. loss
5,500	6,000	5,000	4,500
不溶解物	Fe <sub>2</sub> O <sub>3</sub>	P <sub>2</sub> O <sub>5</sub>	試料調整
5,000	5,500	5,500	2,500

(9)カオリン

1)新鉱床が発見されたと報告されており、サンプル分析は行われていると考える。これらサンプル結果を検討し、工業用(例：窯業・陶磁器、製紙コーティング、ゴム用等)として有望視できる場合、確認分析用サンプルとしての蛍光X線分析用試料および耐火度用試料を採取する。ただし、耐火度用試料採取の場所は蛍光X線分析用試料を採取した場所と同じ場所とする。

2)分析項目と分析単価

(単位：円)

蛍光X線	H O	白色度	真比重	嵩比重	試料調整
15,500	2,500	2,500	16,700	5,000	2,500

耐火度検査費用は 50,000 円/ サンプルである

(10)石炭

1)本炭鉱がこれまでどの程度調査されたか明らかでないが、炭鉱を開発するにあたって、その炭の質を評価する場合、工業分析(全水分、固有水分、灰分、揮発分、固定炭素)、元素分析(炭素、水素、窒素、酸素、全硫黄)、発熱量(Kcal/ Kg)、灰組成分析(SiO<sub>2</sub>、Al<sub>2</sub>O<sub>3</sub>、Fe<sub>2</sub>O<sub>3</sub>等)溶解性試験(軟化点、融点、流動点)を調べるのが一般的である。

2)将来の工業団地に指定されているスール市が、第5次五ヵ年計画の中でその実現の可能性が大きい場合は、この石炭を使用して火力発電をする計画があることから調査は必要になる。この場合、サンプル採取ができるような現場状況にあるならば、おおよその平均炭質が得られるよう、高・中・低品質層よりそれぞれ採取したサンプルから分析用試料を作るとともに、高・中・低

品質層炭をブレンドした混合試料をつくる。

### 3)分析費

上記1)で述べた諸分析、発熱量、溶融試験等全てのテストを行った場合の分析費は、1サンプル当たり約16万円である。

ただし、分析項目については本格調査団の判断に委ねることとする。

4)本炭礦の開発が21世紀になる場合(すなわち第5次五ヵ年計画に間に合わぬ場合)、サンプリングは行わず過去の資料・文献により、質と量を把握するに留める。

## (1)その他

### 1)アスベスト

環境に悪影響をおよぼすアスベストの市場は縮小傾向にあることから、サンプリングの実施は控える。

### 2)鉄鉱石

その規模から開発は難しいと考えられるので、サンプリングは行わない。

### 3)かん水

1990年に実施されたサンプルの分析結果を解析するに留める。

## (2)航空運賃

サンプルをマスカットから日本へ空輸する場合は航空運賃は次の通りである。

45kg以下の場合kg当たり3.095 オマーンリアル。45kg以上の場合kg当たり

2.93オマーンリアルである。

例 サンプル重量 100kgの場合 2.93 リアル/ kg × 100kg = 293 リアル

## 7-7 その他

(1) 稼働中の銅鉱山の残鉱量は約500万トンしかなく、終掘後は発見されている新規銅鉱床を開発する計画があるか否か確認する必要がある(終掘後従業員はクロマイト鉱山へ移す計画があると聞いている故)。

(2)クロマイト鉱石は1990年以降輸出が禁止されたため、鉱山も操業を中止してい

と思われる。石油・鉱物省にはこれを再開する動きがでてきているようであるが、再開後のクロマイトは計画されているフェロクローム製造用原料に用いられるのか、あるいはフェロクロームプラントが稼働するまでは輸出に向けられるのか、確認する必要がある（いずれにしてもクロマイトの埋蔵鉱量の確認が先ず肝要である）。

(3)商工省発行"Glance on Industries in Oman till June 1992" の輸出企業の中のOman Drilling Mud Products Co.,LLCはバライト（重晶石）とベントナイトを製造している。収集した資料ではバライトがオマーンに賦存するとは記載されていない。しかし無機薬品、塗料の他、石油ボーリングの泥水用に利用するバライトがオマーンに賦存しているならその存在価値は大きい筈である（バライトの生産国は、世界第一位の中国の他、米国、インド、メキシコ、トルコ、ドイツ等である）。

#### (4)珪石・珪砂

1978年、1979年当時の調査によれば、オマーンにはサイハタートの珪岩、石英砂岩(1,280万トン)とワジアディの石英脈が報告されている。また商業価値のある珪砂はないと言われている。その後の調査は不明であるが、登録企業の中にはガラスビン、ファイバーガラスポート/タンクの製造メーカーが含まれており、その原料の出所を確かめる必要がある。産業振興の面からみると、原料を輸入しても板ガラスの製造を含むガラス工場を建設（国内需要を賄える程度の規模）することを検討することは価値があると考えられる。

#### (5)花崗岩、大理石

ライサット港から花崗岩が輸出されているが、需要が安定している白御影、黒御影で品質が標準に達していれば、有望プロジェクトになる可能性はある。

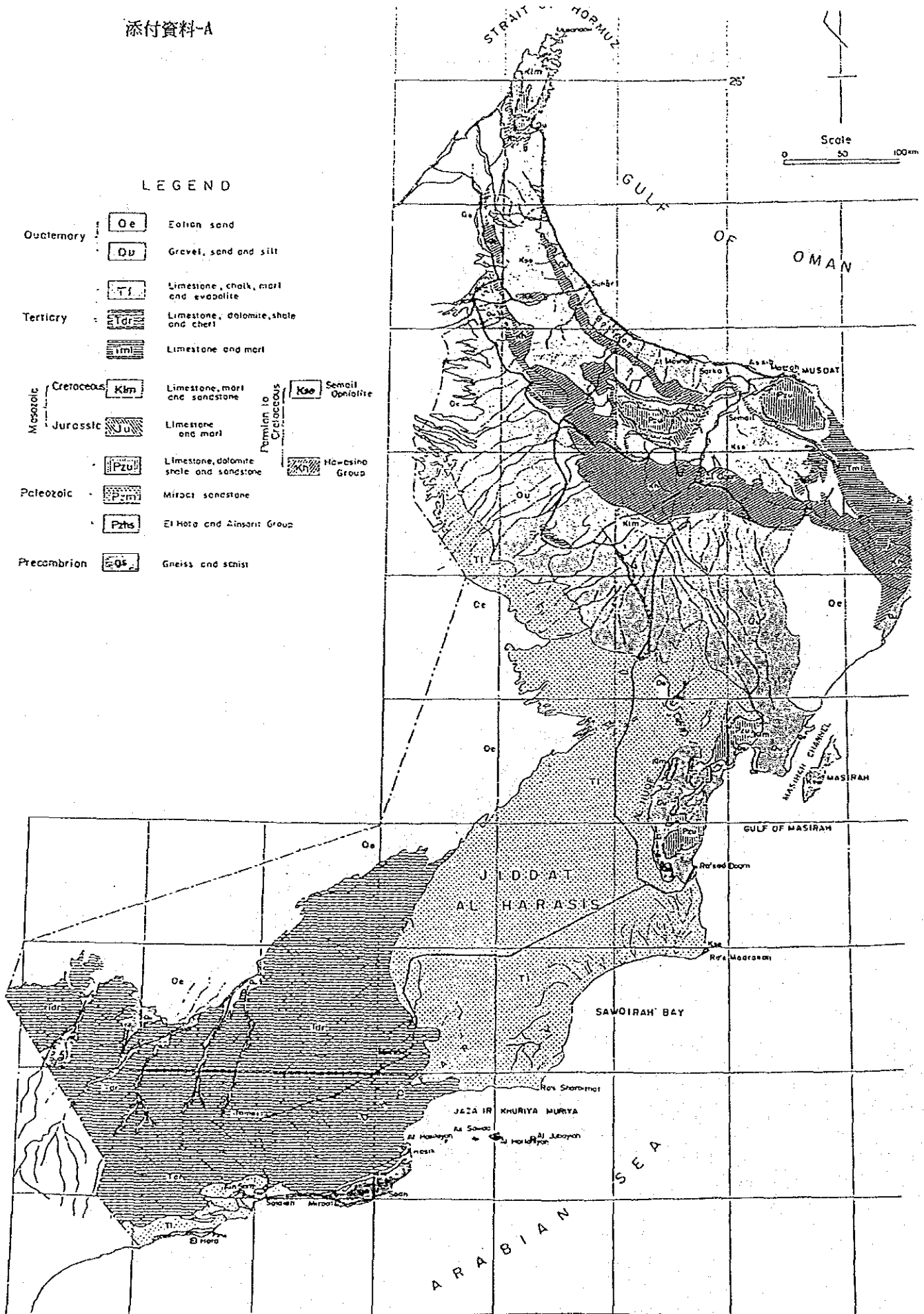
日本でこの業界の専門家が評価する場合は、大理石同様、小片（B5版の半分程度）を研磨したサンプル、賦存・採石現場の写真、輸送情報（内陸輸送と港湾）が必要である。在オマーンJICA専門家奥村氏から、本年4月オマーンを訪問した日本の大理石メーカーの人は、当地の大理石は使えるだろう、と

いたと聞いた。また商工省には、大理石、花崗岩の研磨したサンプルが保管されている。

添付資料-A

LEGEND

Quaternary	<b>Oe</b>	Eolian sand		
	<b>Ov</b>	Gravel, sand and silt		
Tertiary	<b>Tl</b>	Limestone, chalk, marl and evaporite		
	<b>Tdr</b>	Limestone, dolomite, shale and chert		
	<b>lml</b>	Limestone and marl		
Mesozoic	Cretaceous <b>Klm</b>	Limestone, marl and sandstone	Permian to Cretaceous <b>Kae</b>	Semail Ophiolite
	Jurassic <b>Ju</b>	Limestone and marl	<b>Hae</b>	Hae-sino Group
Paleozoic	<b>Pzu</b>	Limestone, dolomite, shale and sandstone		
	<b>Psm</b>	Miraf sandstone		
	<b>Pzs</b>	El Hafa and Ainsara Group		
Precambrian	<b>Qs</b>	Gneiss and schist		



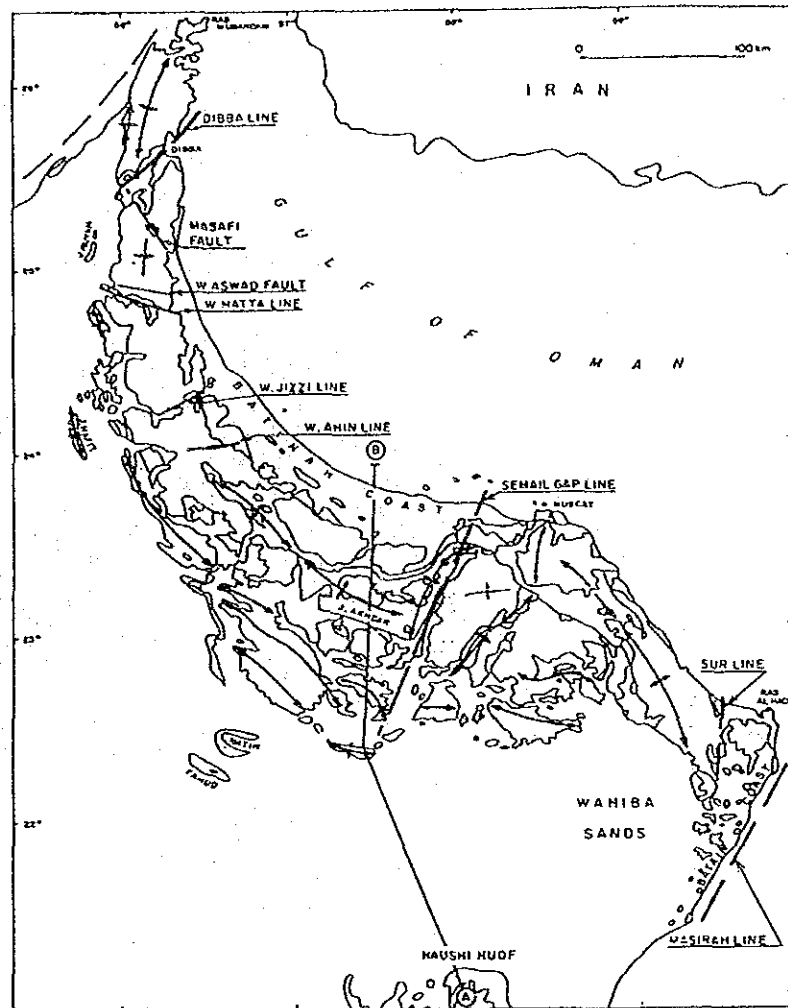


Fig.5 LINES OF TECTONIC DISLOCATION IN THE OMAN MOUNTAINS

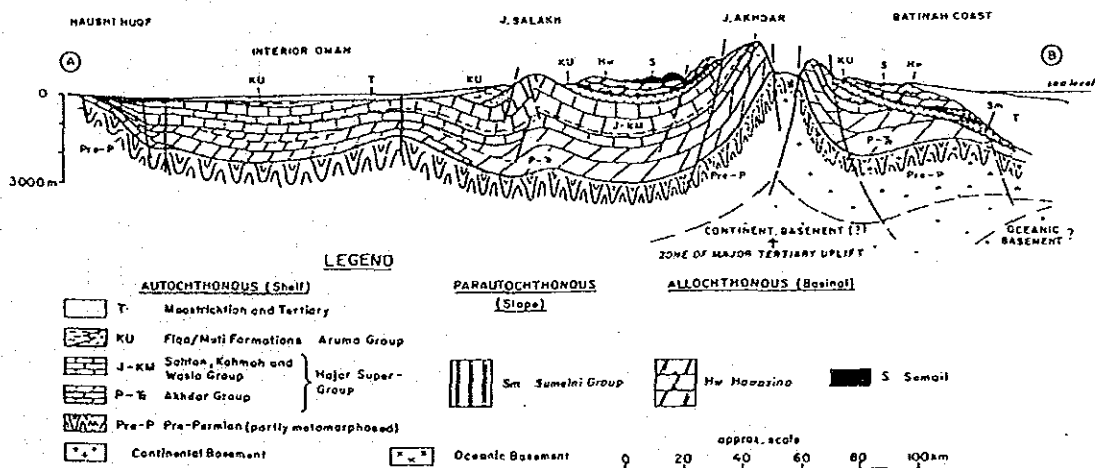
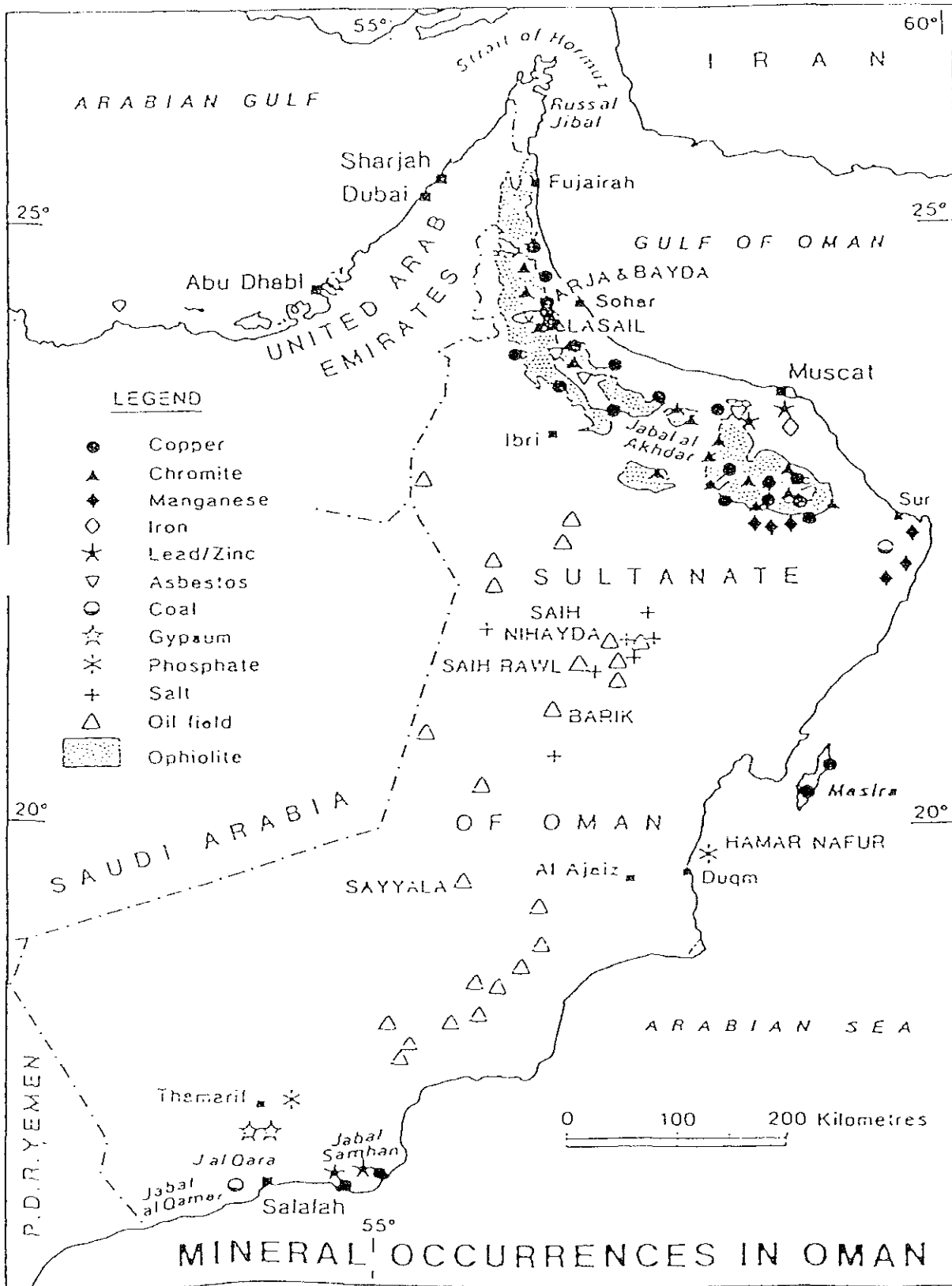


Fig.6 STRUCTURAL FRAMEWORK OF THE OMAN MOUNTAINS

(BY K. W. GLENNIE, ET., 1974)





Mining Journal, London, Jan. 26, 1990

## VII. 資 料



1. 要請書

(T/R)

TECHNICAL COOPERATION  
BY THE GOVERNMENT OF JAPAN

APPLICATION

By the Government of Sultanate of Oman

for a Development Study on Industrial Development Planning(M/P)  
for fifth five-year Development Plan  
to the Government of Japan

NOTE:

This form was devised for the general guidance of the Government agencies concerned (Japan) in order to facilitate the supply of relevant information and data necessary to afford an adequate appreciation of the nature of the technical cooperation. The careful completion of an application in this form will avoid much reference back and lead to speedier action.

1. Project Digest

(1) Project Title:

Industrial Development Planning (M/P)  
for the fifth five-year Development Plan

(2) Location: Muscat and others

(3) a. Responsible Agency

Directorate General of Industry  
Ministry of Commerce & Industry

b. Executing Agency

Same as above

(4) Justification of the Project

(Beneficiaries, Objectives of the Project etc. and/or  
Positioning in the National Development Plan)

Modernization of Omani Industry has been carried on based on "the five-year Development Plan" started from 1976 and its implementation is currently continued according to "the fourth five-year Development Plan" which is targeted at diversification of non-oil revenue and structural change of Industry.

The Ministry of Commerce & Industry requests JICA to draft an Industrial Development Master Plan which will constitute a basis for drafting "the fifth five-year Development Plan (1996 - 2000)", the Sultanate of Oman. The Ministry highly evaluates "prefeasibility study for industrial Development in the Sultanate of Oman" done by JICA in 1978.

(5) Desirable or scheduled time of commencement of the Project

1994 (or 1993)

"

(2)

- (6) Prospective funding source and/or assistance (including external origin)

The implementation of the Plan will be funded by the Government of the Sultanate of Oman.

(Conduction of M/P shall be funded by JICA)

- (7) Other relevant Projects, if any.

A. The prefeasibility study for Industrial Development - November, 1978  
(Japan International Cooperation Agency)

B. Industrial Master Plan 1991 - 2005  
(UNIDO)

Note: Oman has found the study done by JICA more concrete and fruitful and requests JICA to draft the Master Plan this time.

NOTE: Please describe as concisely as possible the general profile of the project on which the Development Study is required.

2. Terms of Reference of the proposed Study

- (1) Necessity/Justification of the Studies

Same as 1 (4)

- (2) Objectives of the Study

Same as 1 (4)

(3)

- (3) Study Area (attache map, if available)
  - A. Muscat (Ministries, institutions, banks, companies etc.)
  - B. Salalah
  - C. Sohar
  - D. Nizwa
  - E. others
  
- (4) Scope of the Study
  - A. The present social and economic situation of Oman and outlook for the future
  - B. The present industrial situation of Oman.
  - C. Overview of Industrial Development Policy and Evaluation of the Environment
  - D. Drafting of the fifth five-year (1996-2000) industrial development plan
  - E. Proposals for promising industries.
  
- (5) Study Schedule
  - A. Two month visit to Oman for collection of data discussions, exchange of views with the Ministries, institutions, banks & companies etc, concerned.
  - B. Evaluation of data and drafting of the plan etc. (in Japan)
  
- (6) Other relevant information

NOTE: Please fill the above items in particular on separate sheet, if necessary.

3. Undertakings of the Government of the Sultanate of Oman

In order to facilitate a smooth and efficient conduct of the Study, the Government of the Sultanate of Oman 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 Sultanate of Oman in connection with their resignation therein, and exempt them from alien registration requirement and consular fees.

(4)

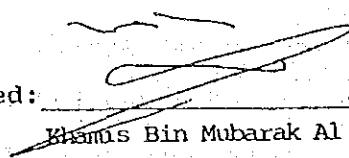
- (3) to exempt the Study team from taxes, duties and any other charges on equipment, machinery and other materials brought into and out of the Sultanate of Oman for the conduct of the Study.
- (4) To exempt the Study team from income tax and charges of any kind imposed on or in connection with any emoluments 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 remittance as well as utilization of the funds introduced in the Sultanate of Oman 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 Study.
- (7) to secure permission for the Study to take all data, documents and necessary materials related to the Study out of the Sultanate of Oman to Japan.
- (8) to provide medical services as needed. Its expenses will be chargeable to members of the Study team.

4. The Government of the Sultanate of Oman shall bear claims, if any arises against member(s) of the Japanese Study team resulting from, occurring 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 willful misconduct on the part of the member of the Study team.



5. (the executing agency) shall act as counterpart agency to the Japanese Study team and also as coordinating body in relation with other governmental and non-governmental organization concerned for the smooth implementation of the Study.

The Government of the Sultanate of Oman assured that the matters referred in this form will be ensured for a smooth conduct of the Development Study by the Japanese Study Team.

Signed: 

Khamis Bin Mubarak Al Kiyumi

Title: Director General of Industry

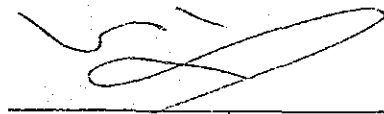
On behalf of the Government of Sultanate of Oman

Date: December 26, 1992

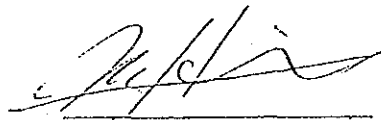
2. S/W

SCOPE OF WORK  
FOR  
THE STUDY  
ON  
MASTER PLAN FOR INDUSTRIAL DEVELOPMENT  
IN  
THE SULTANATE OF OMAN  
AGREED UPON BETWEEN  
MINISTRY OF COMMERCE AND INDUSTRY  
AND  
JAPAN INTERNATIONAL COOPERATION AGENCY

MUSCAT, MAY 26, 1993



H. E. Khamis Bin Mubarak Al Kiyumi  
UNDERSECRETARY FOR INDUSTRY,  
MINISTRY OF COMMERCE AND INDUSTRY



Mr. Masaaki Hanai  
LEADER,  
PREPARATORY STUDY TEAM,  
JAPAN INTERNATIONAL  
COOPERATION AGENCY

## I. INTRODUCTION

In response to the request of the Government of the Sultanate of Oman (hereinafter referred to as "the Sultanate"), the Government of Japan has decided to conduct the Study on Master Plan for Industrial Development in the Sultanate of Oman (hereinafter referred to as "the Study") in accordance with the relevant laws and regulations in force in Japan.

Accordingly, 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 concerned of the Sultanate.

The present document sets forth the scope of work with regard to the Study.

## II. OBJECTIVE OF THE STUDY

The objective of the Study is to formulate a comprehensive master plan for industrial development, with a view to selecting promising industrial projects and programs for inclusion in the "Fifth Five-Year Development Plan (1996-2000)".

## III. SCOPE OF THE STUDY

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

*File*  
✓

<GENERAL>

1. Review of General Background
  1. 1 macro-economic situation and trend
  1. 2 national development policy
  1. 3 review of the "Fourth Five-Year Development Plan"
  1. 4 trade and foreign investment
  1. 5 infrastructure; human resources

<INDUSTRIAL SECTOR>

2. Review of Industrial Development
  2. 1 industrial development policy
  2. 2 laws, acts, and regulations
  2. 3 production and trade trend
  2. 4 review of the "Prefeasibility Study for Industrial Development in the Sultanate of Oman" done by JICA in 1978 and other important studies by other organizations
3. Survey on Industrial Sec
  3. 1 present status of the industry  
(production, import and export , marketing, etc.)
  3. 2 factory survey
  3. 3 on-going and future development projects by the Sultanate
  3. 4 identification of metallic minerals
  3. 5 identification of non-metallic minerals
  3. 6 location, reserve of metallic and non-metallic minerals  
(literal survey)
  3. 7 quality analysis of metallic and non-metallic minerals  
(within 10 mineral resources)
  3. 8 location, reserve, and quality of petroleum and natural gas  
(literal survey)
  3. 9 review of policy on the exploitation of natural resources

*Qs/K*  
*v*

<MASTER PLAN>

4. Formulation of a Comprehensive Master Plan

4. 1 selection of promising industrial sub-sector(s) and project(s) which indicate to be viable
4. 2 project descriptions
4. 3 implementation schedule
4. 4 cost estimation
4. 5 recommendation of development program for each of the selected sub-sector(s) and project(s) including the followings:
  - infrastructure
  - human resources
  - government incentives
  - institutions and organizations for industrialization
  - technology
  - market
4. 6 recommendation for foreign investment promotion

5. Conclusion

*J.H.*  
✓

#### IV. WORK SCHEDULE

The Study shall be carried out in accordance with the tentative schedule of the Study as shown in Appendix

#### V. REPORTS

JICA shall prepare and submit the following reports in English to the Sultanate

1. Inception Report : 15 copies
2. Progress Report : 15 copies
3. Interim Report : 20 copies
4. Draft Final Report : 30 copies
5. Final Report and its Summary Report : 30 copies

#### VI. UNDERTAKINGS BY THE GOVERNMENT OF THE SULTANATE OF OMAN

1. To facilitate smooth conduct of the Study, the Sultanate shall take necessary measures:
  1. 1 To secure safety of the Japanese Study Team  
( hereinafter referred to as "the Team" )
  1. 2 To permit the members of the Team to enter, leave and sojourn in Oman for the duration of their assignment therein, and exempt from foreign registration requirements and consular fees
  1. 3 To exempt the members of the Team from taxes, duties, fees and other charges on equipment, machinery and other materials brought into, and out of, Oman for the conduct of the Study
  1. 4 To exempt the members of the Team from income tax and charges of any kind imposed on, or in connection with, any emoluments or allowances paid to the members of the Team for their services in connection with the implementation of the Study

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1. 5 To provide necessary facilities to the Team for remittance as well as utilization of the funds introduced into Oman from Japan in connection with the implementation of the Study
  1. 6 To secure permission for entry into private properties or restricted areas for the implementation of the Study
  1. 7 To secure permission for the Team to take all data and documents ( including maps, photographs ) related to the Study out of Oman to to Japan
  1. 8 To provide medical service as needed (Its expenses can be charged to the members of the Team.)
2. The Sultanate 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 implementation of the Study, except when such claims arise from gross negligence or willful misconduct on the part of the Team members.
  - 3 Directorate General of Industry, Ministry of Commerce and Industry (herein after referred as "DGI") shall act, as the counterpart agency to the Team as well as the coordinating body in relation with other governmental and non-governmental organizations concerned for the smooth implementation of the Study.
  4. DGI shall, at its own expense, provide the Team with the following, in cooperation with other organizations concerned:
    4. 1 Available data and information related to the Study
    4. 2 Counterpart personnel
    4. 3 Suitable office space with necessary equipment in Muscat
    4. 4 Credentials or identification cards

*PKS*  
*v*

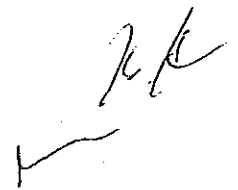
VII. UNDERTAKINGS BY JICA

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

1. To dispatch, at its own expense, a series of study teams to Oman
2. To pursue technology transfer to the Omani counterpart personnel

VIII. CONSULTATIONS

JICA and DGI shall consult with each other in respect of any matters that may arise from, or in connection with, the Study.





Appendix

Tentative Schedule of the Study

Order of Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Work in Japan																
Work in Oman																
Report Output		△ Ic/R		△ P/R				△ It/R					△ Df/R			▲ F/R

Abreviations : Ic/R: Inception Report  
 P/R: Progress Report  
 It/R: Interim Report  
 Df/R: Draft Final Report  
 F/R: Final Report

*Handwritten signature*

3. M/M

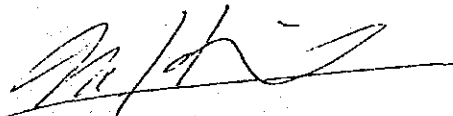
MINUTES OF MEETING  
ON  
THE SCOPE OF WORK  
FOR  
THE STUDY ON  
MASTER PLAN FOR INDUSTRIAL DEVELOPMENT  
IN  
THE SULTANATE OF OMAN

AGREED UPON BETWEEN  
MINISTRY OF COMMERCE AND INDUSTRY  
AND  
JAPAN INTERNATIONAL COOPERATION AGENCY

MUSCAT, MAY 26, 1993



H.E. Khamis Bin Mubarak Al Kiyumi  
UNDERSECRETARY FOR INDUSTRY,  
MINISTRY OF COMMERCE AND INDUSTRY



Mr. Masaaki Hanai  
LEADER,  
PREPARATORY STUDY TEAM,  
JAPAN INTERNATIONAL COOPERATION AGENCY

The Preparatory Study Team (hereinafter referred to as "the JICA Team" ) organized by Japan International Cooperation Agency (hereinafter referred to as "JICA") visited the Sultanate of Oman (hereinafter referred to as "the Sultanate") from May 20, 1993 to May 26, 1993 for the purpose of discussing the Scope of Work ( hereinafter referred to as "the S/W" ) for the study on a comprehensive master plan for industrial development ( hereinafter referred to as "the Study" ) with the officials concerned of the Sultanate.

The officials concerned of the Sultanate, headed by H. E. Khamis Bin Mubarak Al Kiyumi, Undersecretary for Industry, Ministry of Commerce and Industry and the JICA Team, headed by Mr. Masaaki Hanai, the Team Leader, had a series of meetings and exchanged their views on the S/W. Consequently, both sides agreed upon the S/W on May 26, 1993.

The list of attendance is shown in Appendix 1 and 2.

As the result of the above, both sides confirmed the following:

1. For the successful consummation of the Study, close cooperation between both sides is essential. Accordingly pertinent efforts on each side shall be made throughout the course of the Study.
2. The Steering Committee between the Ministry of Commerce and Industry and JICA shall coordinate with relevant ministries of the Government of the Sultanate for the collection of information, and arrangements of meetings with outside bodies to facilitate the execution of the Study.
3. The Omani side expressed its desire that the Omani Counterpart representatives should be trained in Japan during the same period as the work in Japan is carried out by the Study Team.

The JICA Team replied that, as it is not entitled to that matter, it will convey the desire of the Omani side to the relevant department of JICA.

4. The Omani side will provide the office space for the members of the Study Team at the offices of Ministry of Commerce and Industry located in Muscat.
5. The Ministry of Commerce and Industry will arrange for the data and information in the list of Appendix 3 and send them to JICA by June 26, 1993 through the Embassy of Japan in Muscat.

*A. K.*

Members of the Sultanate

1. H. E. Khamis Bin Mubarak Al Kiyumi  
Undersecretary for Industry, Ministry of Commerce and Industry
2. Mr. Ali Masoud Al Sunaidy  
Acting Director General of Industry,  
Ministry of Commerce and Industry
3. Mrs. Hunaina Sultan Al Mugheiry  
Advisor to H. E. Undersecretary
4. Mr. Dinesh Kishore Saxena  
Industrial Advisor to H. E. the Minister  
Ministry of Commerce and Industry
5. Dr. Faisal Elamir  
Advisor to Director General of Industry  
Ministry of Commerce and Industry
6. Mr. Ahmed Sultan Al Mugheiry  
Acting Director of I. D. U.  
Ministry of Commerce and Industry
7. Mrs. Malak Al Shaibani  
Market Researcher, I. D. U.  
Ministry of Commerce and Industry
8. Miss Hilda Ali Alhinai  
Assistant Director, H. E. Undersecretary Office  
Ministry of Commerce and Industry
9. Mr. Zenji Okumura  
Advisor, I. D. U.  
Ministry of Commerce and Industry

*PK*  
✓

APPENDIX 2

Members of the Japanese side

1. Mr. Masaaki Hanai  
Team Leader, JICA
2. Mr. Takashi Fukuda  
Technical Cooperation, Middle East-Africa Office,  
International Trade Policy Bureau, MITI
3. Mr. Satoru Masano  
Industrial Development Plan,  
CRC Research Institute, Inc.
4. Mr. Katsuhei Kubo  
Economic Development Plan,  
CRC Research Institute, Inc.
5. Mr. Kenichi Hayakawa  
Project Planning,  
Industrial Development Study Division, JICA
6. Mr. Kunio Noguchi  
Embassy of Japan

*JK*

THE DATA AND INFORMATION TO BE SENT TO JICA BY JUNE 26, 1993

- I. Monthly Statistical Bulletin
  - (1) Volume 4 No.9 ( 18 Nov., 1992 )
  - (2) Volume 5 No.2 ( 18 Feb., 1993 )
  
- II. Major cause(s) of the excess/shortfall of GDP by sector from the original plan for 1991 and 1992
  
- III. Do you think that with the above-stated excess/shortfall, the original plan 1993 through 1995 can be maintained in the originally planned numbers, or does it need any adjustment ?  
Please state the reason(s), too.
  
- IV. Please state what type of manufacturing industries contributed most for the back up during 1991 and 1992 and the reason therefor and future prospect. Also state what type of manufacturing industries are the least contributors for the back up and the reason therefor.  
An additional question may be raised upon reviewing the computer print-out submitted to the JICA Team on May 25, 1993.
  
- V. We have been briefed on the formation and a part of its important activities of the Development Council by your reply to JICA Questionnaire dated February 17, 1993. We would appreciate it, if you could further explain its role for the formulation of the 5th five year Economic Development Plan and the members of the Council. For example, when the 5th five year Economic Development Plan is approved by the Council, the Plan is hoisted for the final approval by His Majesty the Sultan. Then the priority projects of the approved plan are to be acted upon by the Ministry of Commerce and Industry. Is this understanding correct ?
  
- VI. Industrial development
  - (1) Mining

Please prepare the following data and information, by mineral resource described as subitems 1) and 2) below,



regarding mines and quarries which have been explored so far:

- Name of mine
- Location of and access to the mine or quarry
- Reserve (proven/probable/possible)
- Quality or grade (chemical analysis)
- Mining method (open pit/underground, strip ratio)
- Under operation (crude ore production rate per year, production quantity and quality of final product, transportation method)

\* In the case of pre-operation mines or quarries, please explain the reason why the mines or quarries are not opened yet.

- 1) Metallic resources: Copper, Chrome, Iron, Lead, Zinc, Manganese, Gold, Silver, etc.
- 2) Non metallic resources: Limestone, Dolomite, Marble, Gypsum, Kaolin, Asbestos, Granite, Coal, Potash, etc.

(2) Limestone based industries

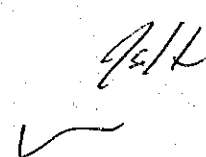
Please provide us with the present status of the expansion plans of cement mills and the guidance/instructions from the Ministry of Commerce & Industry.

(3) Ceramic industry including Ceramic Tiles

Please provide us with the latest information, either final or interim, based on the study conducted by the Ministry of Petroleum and Mineral Resources, if any such information is available.

(4) Please provide us with the detailed information on the activities of some of the 3,648 registered industries as follows:

- \* Although the JICA Team received the computer print-out indicating the profile of firms having investment of 100,000 R.O. and above on May 25, 1993, it may raise



an additional question upon reviewing the print-out.

1) Chemical & Chemical products

- Number of the registered firms utilizing the indigenous materials
- How do they utilize the indigenous materials effectively?

2) Basic Metal Industries

- Detailed information of the activities of the 2 product lines( copper cathod, anodised aluminum )

3) Non-metallic, Mineral products

- Detailed information of the activities of the 13 product lines

(5) Tax Exemption

"Going for Growth" outlines, among other incentives, the tax exemption for the first 5 years of operations. And "Glance on Industries in Oman till June 1992" indicates the total of 7 cases of the exemption from Income Tax during the period, 1986 till 30 June 1992. Please explain the conditions under which the income tax exemption is granted.

VII. Request for the provision of reference information and data

Please provide us with the following information/data.

(1) Laws and Royal Decrees

- 1) Labour Law
- 2) Labour Permit
- 3) Labour Card
- 4) Law of Income Tax on Companies
- 5) R.D. 40/87 Financial Support System of the Private Sector in the field of Industry and Tourism

VIII. Each Item of Additional Questionnaire requested to the Sultanate

- (1) Exploration report on the copper deposit that was im-



- plemented ranging from 1984 to 1987
- (2) Silica sand deposit, silica quartz deposit
  - (3) Exploration reports on the chromite that was carried out by a French Institution, etc.
  - (4) Petrochemical projects by utilization of C2 Heaviers, if any, which are under the jurisdiction of Ministry of Commerce and Industry
  - (5) Detailed plans and progress situation of new industrial estate in Sohar, Raysut, Sur, Nizwa, Buraimi and Musandam

*A. K.*  
*W*

#### 4. 収集資料リスト

1. Statistical Year Book, 1991
2. The Fourth Five Year Development Plan (1991~1995)
3. Monthly Statistical Bulletin( 1992年10月, 12月、1993年 1月,3月,4月)
4. Commercial Business Laws of Oman(Commercial Register Law, Commercial Companies Law, Foreign Business and Investment Law, Law of Commercial Agencies, Decree on Associations Formed by Decree of the Sultan 含む)
5. Glance on Industries in Oman till June 1992
6. Rusayl Industrial Estate Authority pamphlet
7. Industrial Establishment Summary Report( 資本金10万リアル以上 592社)
8. Law for the organization and encouragement of industry
9. Questionnaire for determination of the degree of strategical importance of the existing industrial unit( 企業査定表)
10. Polyolefins complex(one sheet)
11. 10 investment opportunities profiles for Salalah researched by GOIC
12. Development possibilities for Omani chromite by BRGM
13. Gypsum products
14. Potash brine deposit development(one sheet)





JICA