

付 属 資 料

- 1．ミニッツ
- 2．プロジェクト投入、活動実績資料
- 3．ISEM から IMO へ提出されたレポート
- 4．ディーゼルエンジンプラントの今後の活用計画案について

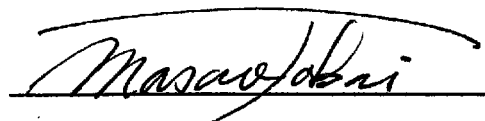
**MINUTES OF THE MEETINGS
BETWEEN
THE JAPANESE ADVISORY TEAM
AND
THE AUTHORITIES CONCERNED OF THE GOVERNMENT OF
THE KINGDOM OF MOROCCO
ON
THE JAPANESE TECHNICAL COOPERATION
FOR
THE HIGHER INSTITUTE FOR MARITIME STUDIES PROJECT**

The Japanese Advisory Team (hereinafter referred to as "the Advisory Team") organized by the Japan International Cooperation Agency (hereinafter referred to as "JICA") and headed by Mr. Masao TAKAI visited the Kingdom of Morocco from December 7 to 18, 1998 for the smooth and successful implementation of the Higher Institute for Maritime Studies Project (hereinafter referred to as "the Project").

During its stay in the Kingdom of Morocco, the Advisory Team exchanged views and had a series of discussions with the Moroccan authorities concerned with respect to the implementation and progress of the technical cooperation programs for the Project.

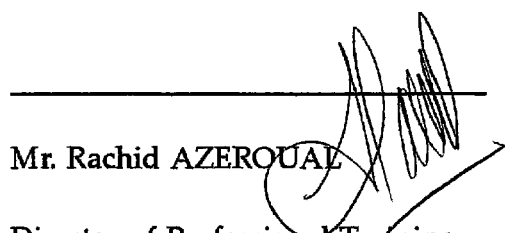
As a result of the discussions, both sides made the Minutes of Meetings attached hereto.

Rabat, December 16, 1998



Mr. Masao TAKAI

Leader,
Advisory Team,
Japan International Cooperation Agency,
Japan



Mr. Rachid AZEROUAL

Director of Professional Training,
Ministry of Transport and
Merchant Marine,
The Kingdom of Morocco

ATTENDANTS LIST OF THE MEETING

MOROCCAN SIDE

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|-----------------------------|--|
| 1. Mr. AZEROUAL Rachid | Chairman
Director of Professional Training
Ministry of Transport and Merchant Marine |
| 2. Mr. HAMMOU El Moustafa | Direction of Professional Training |
| 3. Ms. MOUKDADE Najat | Direction of Professional Training |
| 4. Mr. MARZAGUI Mohamed | Direction of Merchant Marine |
| 5. Mr. LOUKILI Miloud | Director, Higher Institut for Maritime Studies (ISEM) |
| 6. Mr. NAGUIB Abdelhak | Director of Studies, ISEM |
| 7. Mr. BERNI Ali | Head of Deck Department, ISEM |
| 8. Mr. BOUDDLAL El Mostapha | Head of Engineering Department, ISEM |
| 9. Mr. NIRI Aziz | Professor, ISEM |
| 10. Mr. FAARRH Mustapha | Coordinator, ISEM |
| 11. Mr. OUALI Mohamed | Acting Secretary General, ISEM |

JAPANESE SIDE

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| 1. Mr. TAKAI Masao | Leader, Advisory Team,
Japan International Cooperation Agency |
| 2. Mr. TAKANO Kenkichi | Member, Advisory Team |
| 3. Mr. TANABE Reiji | Member, Advisory Team |
| 4. Mr. TAKAHARA Toshiro | Member, Advisory Team |
| 5. Mr. OMAE Masaya | JICA Chief Advisor, ISEM |
| 6. Mr. HAMADA Naoki | JICA Expert, ISEM |
| 7. Mr. INOUE Shuta | JICA Project Coordinator, ISEM |
| 8. Ms. MASUDA Junko | JICA Morocco Office |
| 9. Mr. KANAZAWA Mitsuo | Interpreter |



THE ATTACHED DOCUMENT

I. Progress of the Project

The Advisory Team and the Moroccan side confirmed that the Project has been implemented smoothly in accordance with the Record of Discussions (hereinafter referred to as "R/D") signed on January 17, 1996 between the Japanese Implementation Study Team and the authorities concerned of the government of the Kingdom of Morocco. Through discussions with the Moroccan authorities, the Advisory Team has observed the following progress and the efforts made by the Higher Institute of Maritime Studies and JICA.

1. Activities of the Project

The present situation of implementation is shown in ANNEX-1.

2. Input from both sides

(1) Japanese side

1) Dispatch of Japanese Experts

(a) Long-term experts

a) One (1) Chief Advisor and Seamen's Education (Marine Navigation)

b) One (1) Coordinator

c) One (1) Seamen's Education (Marine Engineering)

Details of their assignment are shown in ANNEX-2.

(b) Short-term experts

The Japanese side dispatched six (6) short-term experts and five (5) engineers for the installation of Diesel Engine Plant. Details of their assignment are shown in ANNEX-3.

2) Counterpart training in Japan

The Japanese side received six (6) Moroccan counterpart personnel concerned with the Project in the following fields:

(a) Marine Navigation

a) Mr. BARONY Jamal: 1996.9.2-10.4

b) Mr. NAGUIB Abdelhak: 1997.8.26-9.13

c) Mr. BELKAD Abderrahim: 1998.9.27-10.27

(b) Marine Engineering

a) Mr. NIRI Aziz: 1996.9.2-10.4

b) Mr. BOUDLAL EL Mustapha: 1997.8.26-9.13

c) Mr. LEFHEL Tahar: 1998.9.27-10.27

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3) Provision of machinery and equipment

The Japanese side provided the machinery and equipment as follows;

JFY 1996	280 million Yen	Diesel Engine Plant Cargo Handling Trainer (VLCC), Vehicle, Personal Computer, Copy Machine, etc.
JFY 1997	51 million Yen	Hydraulic System Teaching Material, Survival and Fire Fighting Equipment, Various Models for Training, etc.
JFY 1998	30 million Yen	Software of Cargo Handling Trainer (Chemical Carrier), Technical Books and Video Software (to be provided during 1999)

The list of equipment provided is shown in ANNEX-4.

4) Budget for the Installation of Diesel Engine Plant

The Japanese side allocated 22,297,000 yen in JFY 1997 for installing the Diesel Engine Plant in addition to its machinery cost.

(2) Moroccan side

1) Budget allocation for the Project in 1996-98

The budget allocated to ISEM in 1996-98, is shown in ANNEX-5.

2) Assignment of Counterparts and Administration Personnel

The Moroccan side assigned Counterparts and Administration Personnel as shown in ANNEX-6 in accordance with the R/D.

3) Budget for the Installation of Diesel Engine Plant

The Moroccan side allocated about 1,595,037 DH for the installation of Diesel Engine Plant.

3. Achievement of Project purpose

(1) Outline of actual achievement of Project purpose

1) General Matters

According to the governmental policy, Moroccan authority in charge of the Project was changed to the Ministry of Transport and Merchant Marine last year, and it is appreciated that the Director of Professional Training of the Ministry has well undertaken overall responsibility for the administration of the Project. During these years, the Joint Coordinating Committee has taken place three times and effective discussions were held as a result in mutual understanding. After the completion of the Diesel Engine Plant installed at ISEM, the supply of machinery and equipment of the Project has almost been completed. And now as a result of inputs made by both sides, concrete outputs can be expected as scheduled in P.O. in terms of quantity, quality and timing.

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2) Deck Department

All the curriculum except on "Sea Training" has already been established. Based on this curriculum, regular course and seven (7) upgrading training course including "Life Saving at Sea" are now conducted. As for training manuals and textbooks, their preparation will start since all necessary information has already been collected.

The equipment to conduct the required course is now available at ISEM and utilized effectively.

All the Moroccan counterparts who participated in technical training in Japan expressed their satisfaction for its contents. Their professional knowledge acquired during technical training in Japan improved their teaching skill. At the same time, through their reports on training in Japan and other occasions, they contribute to promote the activities of the project influencing other professors. But they need assistance to build a new education /training quality control system at ISEM.

3) Engine Department

The revision of the training curriculum was completed and a new curriculum in accordance with the requirements by STCW 95 has been submitted to IMO.

As for the machinery and equipment, the Diesel Engine Plant, the most important equipment of the Project, has been installed and training with this machine is now possible.

Three (3) Moroccan counterparts participated in technical training for training method and onboard training in Japan. They contributed to the development of the new curriculum.

At the same time, they participated in training for the operation and maintenance of Diesel Engine Plant, and this will be very useful in the future at ISEM.

(2) Evaluation of the Project

Both sides have jointly evaluated the achievement of the project purpose according to the PDM on the following points;

1) Effectiveness

The Advisory Team observed that the curricula of all the training courses have been established and the equipment including Diesel Engine plant is now in service . In two (2) years, the project purpose will be accomplished.

2) Efficiency

The activities have been implemented efficiently with planned inputs. The Moroccan counterparts and Japanese experts have taken effective measures with the resources provided.

3) Rationale of the plan

The Kingdom of Morocco ratified the STCW 95 in 1997, and the revised curricula of ISEM have been established by the Moroccan counterparts and Japanese experts. ISEM submitted these revised curricula to the IMO through

the Direction of Merchant Marine of Morocco. At the same time, ISEM adjusted its education system from three (3) years to four (4) years to obtain the diploma of LLC and LM1, reflecting the real needs of the maritime sector of Morocco.

4) Sustainability

Sustainability has been attained in terms of organizational and financial aspects. Although, in technical aspects, continuous efforts by the Moroccan counterparts to improve the actual curricula are needed. With the leadership of Director of ISEM, Director of Studies and Heads of Department and with the collaboration with Japanese experts, the Moroccan counterparts will, in two (2) years, assume with confidence their responsibilities in the Project.

As for the machinery and equipment, the sustainability depends mainly on the efforts to be made by ISEM for its running cost and maintenance fee.

Detailed achievement of the project purpose is shown in ANNEX-7

II. PLAN OF OPERATION OF THE PROJECT FOR JAPANESE FISCAL YEAR 1999 and 2000

The Advisory Team and the Moroccan side agreed on the plan of operation of the Project for JFY 1999 and 2000 as shown in ANNEX-8.

III. IMPLEMENTATION SCHEDULE OF THE PROJECT

The Project will be implemented in accordance with the TSI in ANNEX-9 and Plan of Operation for Whole Period in ANNEX-10.

IV. CONCLUSION

During the discussions, both sides agreed on the importance of establishment of sustainability of ISEM. In order to achieve the Project purpose within the rest of the cooperation period, the Moroccan and Japanese sides will continue to make efforts to implement the project activities.



ANNEX 1

PRESENT SITUATION OF THE PROJECT

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PRESENT SITUATION of IMPLEMENTATION of CONTENTS of
the RECORD of DISCUSSIONS on January 17, 1996

SUMMARY of CONTENTS of R/D	PRESENT SITUATION
<i>I . COOPERATION BETWEEN BOTH GOVERNMENTS</i>	
<p>1. The Government of the Kingdom of Morocco will implement the Higher Institute for Maritime Studies Project (hereinafter referred to as " the Project") in cooperation with the Government of Japan.</p> <p>2. The Project will be implemented in accordance with the Master Plan which is given in Annex I .</p> <p style="text-align: center;">----- Annex I MASTER PLAN -----</p> <p>1. Objectives of the Project</p> <p>(1) Overall Goal: To contribute to the development of the Moroccan maritime sector in general through the supply of better qualified personnel.</p> <p>(2) Project Purpose: To improve training levels in the field of Seamen's Education (Marine Navigation and Engineering) at the Higher Institute for Maritime Studies (hereinafter referred to as " ISEM"), in compliance with international training standards.</p> <p>2. Outputs of the Project</p> <p>(1) A Clear policy on the future training, including preparation for the revision of STCW Convention, is to be laid.</p> <p>(2) Training curriculum is to reflect technological innovation both in practice and theory.</p> <p>(3) Sufficient practical training of students is to be provided.</p> <p>(4) Sufficient upgrading training is to be provided.</p> <p>(5) Instructors are to have proper specialization and better teaching abilities.</p>	<p>Both Governments have been implementing the Project.</p> <p>The Project has been implemented as follows:-</p> <p>The Ministry of Transport and Merchant Marine has contributed to the development of the sector to secure the new international standards of ISM Codes, PSC and STCW.</p> <p>ISEM has submitted the report to the Ministry on the revised training and education system of ISEM for the evaluation by the IMO.</p> <p>To be laid after the evaluation by the IMO in June 1999.</p> <p>This has been revised as a first step (waiting the evaluation by the IMO).</p> <p>The on board training is under discussion.</p> <p>The training for Ro-Ro Passenger ship and Fast rescue boat is under discussion.</p> <p>This point is almost ensured but continuous effort is needed to follow the up-dated technology and method of education and training.</p>

<p>(6) Training related to GMDSS is to be undertaken.</p>	<p>The proper GMDSS training has been undertaken.</p>
<p>(7) Appropriate machinery and equipment for the training courses are to be secured.</p>	<p>Almost all the machinery and equipment to be provided including Diesel Engine Plant have been installed and are now in service.</p>
<p>3. Activities of the Project</p>	
<p>(1) a. To analyze the existing courses and the current situation in general of the ISEM in the light of the Project purpose. b. To formulate a master plan which serves as a comprehensive plan of activities.</p>	<p>Completed in Mar.1998 for the first step. --- Ditto. ---</p>
<p>(2) a. To review the present training curriculum and clarify what is lacking in the light of technological innovation. b. To revise the training curriculum accordingly.</p>	<p>Completed in Aug.1998 for the first step. --- Ditto. ---</p>
<p>(3) a. To clarify what kind of curriculum, teaching manuals, textbooks, facilities and equipment are necessary. b. To revise the curriculum, teaching manuals and textbooks for practical training in general. c. To conduct practical training based on the new curriculum. d. To make a detailed and standardized curriculum of sea training. e. To have sea training instructors to conduct training based on the new curriculum.</p>	<p>Completed in Mar.1997 for the first step. Teaching manuals and text books will be completed in 1999. under way. will be completed in 1999. From 1999.</p>
<p>(4) a. To clarify what kind of curriculum, teaching manuals, textbooks and facilities and equipment are necessary. b. To revise the curriculum, teaching manuals and textbooks. c. To conduct upgrading training based on the new curriculum.</p>	<p>Completed in Mar. 1997. To be completed by Mar.1999. under way.</p>
<p>(5) a. To clarify what kind of instructor specialization to be strengthened. b. To formulate and implement a concrete staff development plan.</p>	<p>This is to be discussed each year. --- Ditto. ---</p>
<p>(6) a. To make proper training materials such as curriculum, teaching manuals and textbooks. b. To conduct training related to GMDSS.</p>	<p>Completed in Sept.1998. under way.</p>
<p>(7) a. To design the arrangement of the machinery and equipment.</p>	<p>Completed in Jun.1997.</p>

b. To prepare the workshop for installation.	Completed in Aug.1998.
c. To conduct the installation works.	Completed in Nov.1998.
d. To have practical training on operation and maintenance.	Conducted by engineers of manufactures by Dec.1998 and to be continued by expert(s).

<p>II. MEASURES TO BE TAKEN BY THE GOVERNMENT OF JAPAN</p> <p>In accordance with the laws and regulations in force in Japan, the Government of Japan will take, at its own expense, the following measures through JICA according to the normal procedures under the Technical Cooperation Scheme of Japan.</p> <p>1. DISPATCH OF JAPANESE EXPERTS The Government of Japan will provide the services of the Japanese experts as listed in Annex II.</p> <p>----- Annex II LIST OF JAPANESE EXPERTS -----</p> <p>1. Chief Advisor</p> <p>2. Long-term experts in the fields of :</p> <p>(1) Seamen's Education (Marine Navigation)</p> <p>(2) Seamen's Education (Marine Engineering)</p> <p>3. Coordinator</p> <p>4. Short-term experts</p>	<p>The Government of Japan has been taking the necessary measures to implement the Project as follows :-</p> <p>1. Mr. OMAE Masaya has been assigned as the Chief Advisor since Apr. 1996 till present.</p> <p>2.(1) Mr. OMAE Masaya has been assigned concurrently as the Long-term expert in the field of seamen's education (Marine Navigation) since Apr. 1996 till present.</p> <p>2.(2) Mr. HAMADA Naoki has been assigned as the Long-term expert in the field of seamen's education (Marine Engineering) since Apr. 1996 till present.</p> <p>3. Mr. INOUE Shuta has been assigned as the Coordinator since Apr. 1996 till present.</p> <p>4. The following Short-term experts have been dispatched :-</p> <p>(1) Mr. TAGASHIRA Shinichiro in the field of consultation of the diesel engine plant from Apr. 19 to May 17, 1997.</p> <p>(2) Mr. TSUNO Yoshio in the field of seamen's education (Safety at Sea) from Jun. 29 to Jul. 28, 1997.</p> <p>(3) Mr. WATANABE Kaneto in the field of seamen's education (Marine Navigation) from Oct. 13 to Nov. 26, 1997.</p> <p>(4) Mr. SUDO Nobuyuki in the field of seamen's</p>
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<p>Note: (1) The Chief Advisor may concurrently be either the Expert on Seamen's Education (Marine Navigation) or the Expert on Seamen's Education (Marine Engineering). (2) Short-term experts will be dispatched as necessary for the smooth implementation of the Project.</p> <p>----- End of Annex II -----</p> <p>2. PROVISION OF MACHINERY AND EQUIPMENT The Government of Japan will provide such machinery, equipment and other materials (hereinafter referred to as "the Equipment") necessary for the implementation of the Project as listed in Annex III. The Equipment will become the property of the Government of the Kingdom of Morocco upon being delivered C.I.F. to the Moroccan authorities concerned at the ports and/or airports of disembarkation.</p> <p>----- Annex III LIST OF MACHINERY AND EQUIPMENT -----</p> <p>1. Marine Navigation (1) Hull construction models (Tanker, container carrier, general cargo carrier) (2) Safety equipment (Oxygen detector and others) (3) Software for loading calculator (4) First aid equipment for artificial respiration training (5) Training equipment for meteorological observation (6) Survival and firefighting equipment (cut model of extinguishers, life raft, self-contained breathing apparatus, etc.) (7) Cargo handling simulator (Tanker operation) (8) Other necessary machinery and equipment to be mutually agreed upon.</p> <p>2. Marine Engineering (1) Diesel engine Plant (2) Models of steam turbine plant and gas turbine plant (3) Cut models of various types of pumps (4) Hydraulic system teaching material</p>	<p>education (Marine Engineering) from Oct. 13 to Nov. 26, 1997. (5) Mr. OHIRA Kazuichi in the field of consultation of the diesel engine plant from Nov. 24 to Dec. 21, 1997. (6) Mr. IKEGAMI Takeo in the field of seamen's education (Crisis Management) from Nov. 02 to Nov. 28, 1998.</p> <p>The provision of machinery and equipment has been implemented as follows.</p> <p>1. Marine Navigation (1) Canceled by Moroccan side (2) Oxygen and gas detectors (3) Software for chemical tanker operation will be provided instead of software for loading calculator. (4) Mannequin for artificial respiration, Arm for injection practice, Oxygen resuscitation set, Demand type Resuscitator and Stretcher (5) Facsimile receiver for meteorological information, EGC Receiver and two-way radio transceiver (6) Cut models of extinguishers, inflatable life raft, Immersion suit, Chemical protective suit, Fireman's outfit, Chemical products analyzing set, Lifting harness, Oil fence with oil bag and spill kit and Fire detection system (7) Cargo handling simulator: workstation type (tanker operation) (8) to be discussed later.</p> <p>2. Marine Engineering (1) Diesel engine plant (2) Steam turbine model was provided but supply of Gas turbine model was canceled. (3) Following pump cut models were provided:- Screw pump, centrifuge pump, piston pump, turbine pump (4) Oil-Hydraulic control system training equipment</p>
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<p>(5) Other necessary machinery and equipment to be mutually agreed upon.</p> <p>3. General (1) Technical books and video software (2) Vehicle(s) (3) Other necessary machinery and equipment to be mutually agreed upon.</p> <p>Note: The contents and specifications of the Equipment to be provided in each year will be discussed, in principle, every year between the Japanese experts and the Moroccan counterpart personnel based on the annual plan within the allocated budget of each Japanese fiscal year.</p> <p>----- End of Annex III -----</p> <p>3. TRAINING OF MOROCCAN PERSONNEL IN JAPAN The Government of Japan will receive the Moroccan personnel connected with the Project for technical training in Japan.</p>	<p>(5) to be discussed later.</p> <p>3. General (1) Technical books from IMO publications and video cassette for safety training (2) Car and Minibus (3) OHP, Datashow, PCs and Printers, TV monitor, Video camera and player</p> <p>The Government of Japan has accepted Moroccan personnel as follows :-</p> <p>(1) Mr. LAKHSASSI Kamel (Secretary General) in the field of Administration in Dec.1995. (2) Mr. BERNI Ali (Head of Navigation Department) in the field of seamen's education (Marine Navigation) in Mar.1996. (3) Mr. BARONY Jamal (Professor of Navigation Department) in the field of seamen's education (Marine Navigation) from 02 Sep. to 04 Oct 1996. (4) Mr. NIRI Aziz (Professor of Engineering Department) in the field of seamen's education (Marine Engineering) from 02 Sep. to 04 Oct 1996. (5) Mr. NAGUIB Abdelhak (Director of Study) in the field of seamen's education (Marine Navigation) from 26 Aug. to 13 Sep.1997. (6) Mr. BOUDLAL El Mustapha (Head of Engineering Department) in the field of seamen's education (Marine Engineering) from 26 Aug. to 13 Sep.1997. (7) Mr. BELKAD Abderrahim (Professor of Navigation Department) in the field of seamen's education (Marine Navigation) from 27 Sep. to 27 Oct.1998. (8) Mr. LAFHEL Tahar (Professor of Engineering Department) in the field of seamen's education (Marine Engineering) from 27 Sep. to 27 Oct.1998.</p>
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<p>III. MEASURES TO BE TAKEN BY THE GOVERNMENT OF THE KINGDOM OF MOROCCO</p>	
<p>1. The Government of the Kingdom of Morocco will take necessary measures to ensure that the self-reliant operation of the Project will be sustained during and after the period of Japanese technical cooperation, through the full and active involvement in the Project by all related authorities, beneficiary groups and institutions.</p>	<p>1. The Government of Morocco has been taking necessary measures to ensure the sustainable self-reliant operation of the Project as follows:-</p>
<p>2. The Government of the Kingdom of Morocco will ensure that the technologies and knowledge acquired by the Moroccan nationals as a result of the Japanese technical cooperation will contribute to the economic and social development of the Kingdom of Morocco.</p>	<p>2. The Government of Morocco has ensured this point with the ratification of the STCW Convention by upgrading the level of the ISEM.</p>
<p>3. The government of the Kingdom of Morocco will grant in the Kingdom of Morocco privileges, exemptions and benefits as listed in Annex IV and will grant privileges, exemptions and benefits no less favorable than those granted to experts of third countries or international organizations performing similar missions to the Japanese experts referred to in II-1 above and their families.</p>	<p>3. The necessary measures taken are as follows:-</p>
<p>--- Annex IV PRIVILEGES, EXEMPTIONS AND BENEFITS FOR JAPANESE EXPERTS ---</p>	
<p>1. Exemption from income tax and charges of any kind imposed on or in connection with the living allowances remitted from abroad.</p>	<p>1) The income tax and other charges have been exempted.</p>
<p>2. Exemption from import and export duties and any other charges imposed in respect of personal and household effects (including one vehicle) which may be brought into the Kingdom of Morocco.</p>	<p>2) The import and export duties and other charges have been exempted.</p>
<p>3. Free medical and dental services and facilities at Governmental hospital and health centers.</p>	<p>3) Medical doctor at ISEM has given the service.</p>
<p>4. Issue of identification cards to the Japanese experts, to secure the cooperation of the authorities concerned of the Kingdom of Morocco necessary for the performance of the duties of the Japanese experts, and their families.</p>	<p>4) The port entry pass was issued.</p>
<p>--- End of Annex IV ---</p>	
<p>4. The Government of the Kingdom of Morocco will ensure that the Equipment referred to in II-2 above will be utilized effectively for the implementation of the Project in consultation with the Japanese experts referred to in Annex II.</p>	<p>4. The provided equipment has been utilized effectively for the practical training at ISEM in consultation with the Japanese experts.</p>
<p>5. The Government of the Kingdom of Morocco will take necessary measures to ensure that the knowledge and experience acquired by the Moroccan personnel from technical training in Japan will be utilized effectively in the implementation of the Project.</p>	<p>5. The Moroccan personnel accepted to the technical training in Japan has contributed to the upgrading of the education and training at ISEM.</p>

<p>6. In accordance with the laws and regulations in force in the Kingdom of Morocco, the Government of the Kingdom of Morocco will take necessary measures to provide at its own expense ;</p> <p>(1) Services of the Moroccan counterpart personnel and administrative personnel as listed in Annex V ;</p> <p>---Annex V LIST OF MOROCCAN COUNTERPART AND ADMINISTRATIVE PERSONNEL ---</p> <p>1. Counterpart personnel in the fields of :</p> <p>(1) Seamen's Education (Marine Navigation) at least seven(7) persons (2) Seamen's Education (Marine Engineering) at least seven(7) persons</p> <p>2. Administrative personnel</p> <p>(1) Administration staff (2) Accounting staff (3) Bilingual secretary (French and English) (4) Staff for equipment maintenance (5) Drivers (6) Guards (7) Other staff</p> <p>--- End of Annex V ---</p>	<p>6. Provided budgeted by the Moroccan Government</p> <p>(1) Service of the C/P personnel</p> <p>1) Seamen's Education (Marine Navigation)</p> <ul style="list-style-type: none">• Head of Deck Dept. : Mr. BERNI Ali• Professor : Mr. BARONY Jamal• Captain of training ship : Mr. M' HADI Abdelouhed• Professor : Mr. BELKAD Abderrahim• Professor : Mr. DAFIR Khalid• Professor : Mr. FAROUK Aroud(• Mr. NAGUIB Abdelhak) <p>2) Seamen's Education (Marine Engineering)</p> <ul style="list-style-type: none">• Head of Engine Dept.: Mr. BOUDLALEI Mostapha• Professor : Mr. NIRI Aziz• Professor : Mr. LEFHEL Tahar• Professor : Mr. BECHTAOUI Mohamed• Professor : Mr. EL HAD Khalid• Professor : Mr. KHARBACHI Tijani• Professor : Mr. AJJEMAMI Bouchaib <p>(2) Administrative personnel</p> <p>1) Administration staff</p> <ul style="list-style-type: none">• Director : Mr. LOUKILI Milloud• Director of Studies : Mr. NAGUIB Abdelhak• Acting secretary general : Mr. OUALI Mohamed• Coordinator : Mr. FARRAH Mustapha <p>2) Accounting staff</p> <ul style="list-style-type: none">• Mr. LAKHDAR IDRISSE Abderrahim <p>3) Bilingual secretaries (French and Arabic)</p> <p>4) Staff for equipment maintenance</p> <ul style="list-style-type: none">• Mr. EL FACHEL Ahmed• Mr. LAGHTAMI Mohamed• Mr. LARRISSI Rachid <p>5)6)7) Drivers, Guards and other staff have been assigned as necessary.</p>
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<p>(2) Land, buildings and facilities as listed in Annex VI;</p> <p>--- Annex VI LIST OF LAND, BUILDINGS AND FACILITIES ---</p> <p>1. Land, buildings and facilities of the ISEM for the Project.</p> <p>2. Room and space necessary for installation and storage of the Equipment in the buildings of the ISEM.</p> <p>3. Office space with air conditioner and necessary facilities for the Japanese experts in the buildings of the ISEM.</p> <p>4. Other facilities mutually agreed upon as necessary.</p> <p>--- End of Annex VI ---</p> <p>(3) Supply or replacement of machinery, equipment, instruments, vehicles, tools, spare parts and any other materials necessary for the implementation of the Project other than the Equipment provided through JICA under II -2 above ;</p>	<p>(2) Land, buildings and facilities</p> <p>1) All areas of ISEM can be used for the Project with the consultation by the C/P and experts.</p> <p>2) The Following room and space have been provided:-</p> <ul style="list-style-type: none">• Diesel engine plant room and control room• Cargo handling simulator room• Safety and firefighting equipment room• Automation training room for Oil-hydraulic control system training equipment• Garage for Vehicles• other space for the minor equipment <p>3) Three offices for long-term experts, one office for secretary and meeting room (Air condition is not needed)</p> <p>(3) The provision of machinery and equipment is as follows:-</p> <ul style="list-style-type: none">• Cutting machine• General air conditioning simulator• Trouble shooting simulator of refrigeration• Industrial refrigeration simulator• Workstations for GMDSS Simulator• VHF Radio Station with DSC-Terminal• BLU Radio Station with DSC-Terminal and DP5• Numerical slave following simulator• Frequency showing generator• Oscilloscope• Reparation of Training Ship• Maritime research, studies and documentation center
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<p>(4) Means of transport and travel allowances for the Japanese experts for official travel within the Kingdom of Morocco ;</p> <p>(5) Suitably furnished accommodation for the Japanese experts and their families.</p> <p>7. In accordance with the laws and regulations in force in the Kingdom of Morocco, the Government of the Kingdom of Morocco will take necessary measures to meet :</p> <p>(1) Expenses necessary for the transportation within the Kingdom of Morocco of the Equipment referred to in II-2 above as well as for the installation, operation and maintenance thereof ;</p> <p>(2) Customs duties, internal taxes and any other charges, imposed in the Kingdom of Morocco on the Equipment referred to in II-2 above ;</p> <p>(3) Running expenses necessary for the implementation of the Project.</p>	<p>7. The measures taken are as follows-</p> <p>(1) The expense for the civil work, prefabrication of piping materials, installation of fire detection system, fuel oil and lubricating oil, and other logistics for the preparation and installation works of the Diesel Engine Plant were provided by the Moroccan Government, however the expense for the construction and installation of the plant were provided by the Japanese Government exceptionally.</p> <p>(2) Necessary measures have been taken.</p> <p>(3) The necessary budget has been allocated.</p>
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<p>IV. ADMINISTRATION OF THE PROJECT</p> <p>1. The Director of Maritime Training, Social and Professional Promotion, Ministry of Marine Fisheries and Merchant Marine, as the Project Director, will bear overall responsibility for the administration and implementation of the Project.</p> <p>2. The Director of the Higher Institute for Maritime Studies, as the Project Manager, will be responsible for the managerial and technical matters of the Project.</p> <p>3. The Japanese Chief Advisor will provide necessary recommendations and advice to the Project Director and the Project Manager on any matters pertaining to the implementation of the Project.</p> <p>4. The Japanese experts will give necessary technical guidance and advice to the Moroccan counterpart personnel on technical matters pertaining to the implementation of the Project.</p> <p>5. For the effective and successful implementation of technical cooperation for the Project, a Joint Coordinating Committee will be established whose functions and composition are described in Annex VII.</p> <p style="text-align: center;">--- Annex VII JOINT COORDINATING COMMITTEE ---</p> <p>1. Functions The Joint Coordinating Committee will meet at least once a year and whenever the necessity arises, and work:</p> <p>(1) To formulate the Annual Work Plan of the Project under the framework of this Record of Discussions;</p> <p>(2) To review the overall progress of the technical cooperation program as well as the achievements of the above-mentioned Annual Work Plan;</p> <p>(3) To review and exchange views on major issues arising from or in connection with the technical cooperation program.</p> <p>2. Composition</p> <p>(1) Chairperson : Director of Maritime Training, Social and Professional Promotion, Ministry of Marine Fisheries and Merchant Marine</p>	<p>1. The Director in charge of the Project was changed to the Director of Professional Training, Ministry of Transport and Merchant Marine.</p> <p>2. The Director of the ISEM has been acting as the Project Manager.</p> <p>3. The Japanese Chief Advisor has been working with the Project Director and the Project Manager to implement the Project.</p> <p>4. The Japanese experts have been working with the C/P to implement the Project.</p> <p>5. The Joint Coordinating Committee was established as follows :-</p> <p>1. The Joint Coordinating Committees have been held and discussed these points (1) to (3) in Dec.1996, Jul.1997 and May 1998 until present.</p> <p>2. (1) The Chairperson was changed to the Director of Professional Training, Ministry of Transport and Merchant Marine</p>
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<p>(2) Members :</p> <p>Moroccan side :</p> <ul style="list-style-type: none">a. Responsible for Initial Maritime Trainingb. Responsible for Continuing Training, Social and Professional Promotionc. Representative of Direction of International Cooperation and Legal Affairsd. Director of the ISEMe. Other counterpart personnel designated by the chairperson <p>Japanese side :</p> <ul style="list-style-type: none">a. Chief Advisorb. Coordinatorc. Other Japanese expertsd. Personnel concerned with the Project to be dispatched by JICA, if necessarye. Representative of JICA Morocco Office <p>Note : Official(s) of the Embassy of Japan may attend the Joint Coordinating Committee as observer(s).</p> <p>--- End of Annex VII ---</p> <p>V. JOINT EVALUATION</p> <p>Evaluation of the Project will be conducted jointly by the two Government through JICA and the Moroccan authorities concerned, (at the middle and) during the last six months of the cooperation term in order to examine the level of achievement.</p> <p>VI. CLAIMS AGAINST JAPANESE EXPERTS</p> <p>The Government of the Kingdom of Morocco undertakes to bear claims, if any arise, against the Japanese experts engaged in technical cooperation for the Project resulting from, occurring in the course of, or otherwise connected with discharge of their official functions in the Kingdom of Morocco except for those arising from the willful misconduct or gross negligence of the Japanese experts.</p> <p>VII. MUTUAL CONSULTATION</p> <p>There will be mutual consultation between the two Governments on any major issues arising from, or in connection with this Attached Document.</p>	<p>The Moroccan side was changed as follows :-</p> <ul style="list-style-type: none">a. Responsible for Professional Training (Direction of Professional Training, Ministry of Transport and Merchant Marine)b. Responsible for Bilateral Cooperation (Direction of Professional Training, Ministry of Transport and Merchant Marine)c. Director of the ISEMd. Other counterpart personnel designated by the Chairperson <p>The Japanese side without any change.</p> <p>The Joint Evaluation is to be conducted in Dec.1998.</p>
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<p><i>VIII. MEASURES TO PROMOTE UNDERSTANDING AND SUPPORT TO THE PROJECT</i></p> <p>For the purpose of promoting the support of the people of the Kingdom of Morocco to the Project, the Government of the Kingdom of Morocco will take appropriate measures to make the Project widely known to the people of the Kingdom of Morocco.</p> <p><i>IX. TERM OF COOPERATION</i></p> <p>The duration of the technical cooperation for the Project under this Attached Document will be five(5) years from April 1, 1996.</p>	<p>The Director of the ISEM has been taking necessary measures to promote the Project, e.g., by the press, TV and conference.</p> <p>---</p>
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ANNEX 2

LONG TERM EXPERTS

M.J.



ANNEX-2. List of Japanese Long Term Experts dispatched

1. Mr. Masaya OMAE

Chief Advisor / Seamen's education (Navigation) 1996, 4, 1- present

2. Mr. Naoki HAMADA

Seamen's education (Engine) 1996, 4, 1 - present

3. Mr. Shuta INOUE

Coordinator 1996, 4, 1- present

ANNEX 3

SHORT TERM EXPERTS

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ANNEX-3. List of Japanese Short Term Experts dispatched

Short Term Experts

1. Mr. Yoshio TSUNO: Seamen's Education (Life Saving), 1997.6.29-7.28
2. Mr. Shinichiro TAGASHIRA: Installation of Diesel Engine Plant, 1997.4.19-5.17
3. Mr. Nobuyuki SUDO: Seamen's Education (Marine Engineering),
1997.10.13-11.26
4. Mr. Kaneto WATANABE: Seamen's Education(Marine Navigation),
1997.10.13-11.26
5. Mr. Kazuichi OHIRA: Installation of Diesel Engine Plant, 1997.11.24-12.21
6. Mr. Takeo IKEGAMI: Seamen's Education(Crisis Management), 1998.11.1-11.29

Engineers for Installation of Diesel Engine Plant

1. Mr. Kazuichi OHIRA: 1998.8.9-11.8
2. Mr. Takahiko UDA: 1998.9.6-11.8
3. Mr. Shigeo SAITO: 1998.9.20-11.22
4. Mr. Takami YAMAGISHI: 1998.10.18-10.31
5. Mr. Syoji KADONO: 1998.10.4-12.3

ANNEX 4

LIST OF EQUIPMENT PROVIDED

M.J.



**LIST of EQUIPMENT PROVIDED
in
ISEM PROJECT**

20/11/1998

FISCAL YEAR	ITEM	MODEL, SPECIFICATION, ETC...	Q'TY	OBSERVATIONS
1996	VEHICLE	NISSAN PATROL STATION WAGON SGL 4x4	1	
	PERSONAL COMPUTER	MACINTOSH, ETC 7500/100, EPSON LP-1700, ETC	1	COMPLETE SYSTEM
	PORTABLE PERSONAL COMPUTER	MACINTOSH, ETC POWERBOOK 5300CS, CANON BJC-35V, ETC	2	COMPLETE SYSTEM
	PERSONAL COMPUTER	IBM, ETC APTIVA 100/16, HP LASERJET 5L, ETC	1	COMPLETE SYSTEM
	FAX MACHINE	TOSHIBA TFP28	1	
	COPY MACHINE	TOSHIBA PLAIN PAPER COPIER 1210	1	
	COPY MACHINE	PANASONIC FP7127	1	
	MOBILE TELEPHONE	SONY CM-DX1000	1	GSM
	SAFETY BOX	SAFEGUARD ESD107	1	
	DIESEL ENGINE PLANT	MUTSUI (MES) YANMAR M200D-UN, ETC	LOT	WORK COMPLETED IN NOV. 1998
	TYPEWRITER	BROTHER AX-310	1	
	CARGO HANDLING TRAINER	NORCONTROL CARGO HANDLING TRAINER CHT2000	1	WORKSTATION TYPE
1997	HYDRAULIC CONTROL TRAINING SYSTEM	ELECTRONICA V.& IN EL HYDRAULIC/PNEUMATIC/ELECTRONIC CONTROL	1	COMPLETE SYSTEM
	2-WAY VHF TRANSCEIVER	JRC JHS-7, 2-WAY VHF COMMUNICATION	2	SOLAS COMPLIED
	OIL FENCE	UNITOR OIL FENCE, MARINE POLLUTION FIGHTING MT'L, ETC	1	
	CHEMICAL PROTECTIVE SUIT	UNITOR 394-538884	1	SOLAS COMPLIED
	GAS DETCTOR & O2 DETECTOR	STIRED MX2000LCD, 246RA	1	SOLAS COMPLIED
	CHEMICALS ANALYSIS KIT	ESIM 2000MKII TK100	1	INTEGRATED PRISM COMPARATOR
	EXPLOSION-PROOF SAFETY LIGHT	FRANCE SELECTION 2M2M641, 2M642	1	
	RESUSCITATION TRAINING MODEL	FRANCE SELECTION RESUSCI-ANNE SKILLMETER	1	
	INJECTION TRAINING ARM MODEL	FRANCE SELECTION PERFUSION TRAINING	1	
	OXYGEN RESUSCITATION KIT	FERNO FRANCE REANIMATION KIT OXYREA	1	
	DEMAND TYPE RESUSCITATOR	FERNO FRANCE REANIMATION KIT OXYREA	1	
	STRETCHER	FRANCE SELECTION MODEL "BARKET" + 3 BELTS	1	FOR HARD ACCESS AREA RESCUE
	FIRE DETECTION SYSTEM	E.S.T. ION, HEAT AND OPTICAL TYPES	1	COMPLETE SYSTEM WITH ALARM
	BREATHING APPARATUS	UNITOR SPIROMATIC 90-217 U3	1	
	EXTINGUISHER CUT MODEL	STIRED WATER, CO2 & POWDER TYPES	LOT	3 TYPES
	FIREMAN'S OUTFIT	UNITOR COMPLETE OUTFIT WITH ACCESSORIES	1	SOLAS COMPLIED
	INFLATABLE LIFERAFT	SIMA BOMBARD CLASS I SOLAS PACK "A" 6 PERSONS	1	SOLAS COMPLIED
	IMMERSSION SUIT	SIMA VIKING M5005	1	SOLAS COMPLIED
	HELICOPTER RESCUE MATERIALS	FERNO FR + SIMA BARQUETTE 71 + LIFTING HARNESS TYPE 172	1	
	EGC RECEIVER	FURUNO EGC-5	1	
	METEOROLOGICAL DATA RECEIVER FAX	FURUNO FAX-208-MK2	1	
	STEAM TURBINE CUT MODEL	ISI S602a	1	
	PUMP CUT MODEL	ISI CENTRIFUGAL, RECIPRO. & GEAR (S601d/S601-01/S601-02)	3	3 TYPES
	VEHICLE (MINIBUS)	MITSUBISHI CANTER MINIBUS FE649F6L 30 PLACE	1	
	TECHNICAL BOOK / VIDEOCASSETTE	OMI + VIDEOTEL INTL 89 BOOKS + 9 VIDEOCASSETTES (PAL)	LOT	
	OVER HEAD PROJECTOR	3M MODEL 9850 WITH DATA-SHOW + SCREEN	1	COMPLETE SYSTEM
	PERSONAL COMPUTER	DAEWOO, ETC 4 DESKTOPS + 1 PORTABLE	5	COMPLETE SYSTEM
	AUDIO-VISUAL SYSTEM	SONY, ETC 53"-DISPLAY + 2 VIDEO DECKS + VIDEO CAMERA	1	COMPLETE SYSTEM
	DOCUMENT BINDER	GBC IMAGE MAKER 1000	1	
	MOBILE TELEPHONE	SONY CMD-Z1	1	GSM
	TECHNICAL BOOK	OMI + LIVRE SERVICE 11 BOOKS + 10 BOOKS	LOT	TOTAL 21 BOOKS

ANNEX 5

BUDGET ALLOCATED TO ISEM

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ISEM PROJECT

EVOLUTION of the BUDGET ALLOCATED to ISEM (1996 - 1998/1999)

UNIT: DIRHAM (DH)

FISCAL YEAR	1996 (* 1st half of the year)	1996/1997	1997/1998	1998/1999
OPERATION BUDGET				
PERSONNEL	349,000	838,000	1,238,000	1,222,000
OTHERS	2,927,000	6,162,000	6,664,000	7,430,000
INVESTMENT BUDGET (EQUIPMENT)	900,000	2,100,000	2,380,000	3,070,000
TOTAL	4,176,000	9,100,000	10,282,000	11,722,000

* FIRST HALF (1996/01/01 - 1996/06/30) OF THE OLD FISCAL YEAR (JAN. 01 - DEC. 31)

THE PRESENT FISCAL YEAR IN MOROCCO COVERS, SINCE JUNE 1996, THE PERIOD OF JULY 01 TO JUNE 30 OF THE FOLLOWING YEAR.

ANNEX 6

COUNTERPART AND ADMINISTRATIVE PERSONNEL OF ISEM

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ANNEX-6. Counterpart and Administrative Personnel

1. Administration staff

- (1) Mr. LOUKILI Milloud: Director
- (2) Mr. NAGUIB Abdelhak: Director of Studies
- (3) Mr. OUALI Mohamed: Acting secretary general
- (4) Mr. FARRAH Mustapha: Coordinator

2. Seamen's Education (Marine Navigation)

- (1) Mr. BERNI Ali: Head of Deck Department.
- (2) Mr. BARONY Jamal: Professor
- (3) Mr. M'HADI Abdelouahed: Captain of Training Ship / Professor
- (4) Mr. BELKAD Abderrahim: Professor
- (5) Mr. DAFIR Khalid: Professor
- (6) Mr. FAROUK Aboud: Professor
- (7) Mr. NAGUIB Abdelhak: Director of Studies

3. Seamen's Education (Marine Engineering)

- (1) Mr. BOUDLAL El Mostapha: Head of Engine Department.
- (2) Mr. NIRI Aziz: Professor
- (3) Mr. LEFHEL Tahar: Professor
- (4) Mr. BECHTAOUI Mohamed: Professor
- (5) Mr. EL HAD Khalid: Professor
- (6) Mr. KHARBACHI Tijani: Professor
- (7) Mr. AJJEMAMI Bouchaib: Supervisor / Professor

4. Accounting staff

Mr. LAKHDAR IDRISSE Abderrahim

5. Secretaries

6. Staff for equipment maintenance

- (1) Mr. EL FACHEL Ahmed
- (2) Mr. LAGHTAMI Mohamed
- (3) Mr. LARRISSI Rasid

ANNEX 7

ACHIEVEMENT OF PROJECT PURPOSE

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ACTUAL ACHIEVEMENTS

(1/7)

ACTIVITY 1. GENERAL Output : A clear policy on the future training, including preparation for the revision of STCW Convention, is to be laid.					
Activities	Target	Up to the 3rd Year 1998	Responsible Person in Project Team	Input*	Remarks
1.1 To analyze the existing courses and the current situation in general of the ISEM in the light of the Project purpose.			Director Chief Advisor	Chief Advisor Director of Study Heads of Dept. Long Term Experts	
1.1.1 To collect and analyze information of the international standards of seamen's education.	Revised STCW Convention	Completed in Mar. 1997 for the first step.			
1.1.2 To analyze the current activities of the ISEM according to the updated education method.	Training Record of ISEM	Completed in Mar. 1997 for the first step.			
1.1.3 To review components of personnel (students, instructors and administrative staff), curriculum and facilities and equipment.	Document of plan of ISEM	---Ditto---		Actual Input Chief Advisor Director of Study Heads of Dept. Professors Long Term Experts	
1.2 To formulate a master plan which serves as a comprehensive plan of activities.					
1.2.1 To make the detailed plan of activities with the analysis in 1.1 above.	Detailed Plan of activities	---Ditto---			
1.2.2 To summarize a master plan as the comprehensive plan of activities.	Master plan	---Ditto---			

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The Project Team (Japanese Experts and Moroccan Counterparts, hereinafter referred to as The Team) has been working on the following activities concerning the ACTIVITY ONE(1) for the general matter until the end of Nov. 1998:

① The Team has collected the necessary information of the revised STCW Convention and analyzed the present curriculum, facilities and equipment at ISEM. The Team has finalized and published the new curriculum.

② The Team has completed the new curriculum for the four-year system to meet the international standard prescribed by the revised STCW using the comparison table of the ISEM program and Code A of the STCW.

③ The Team has analyzed the present facilities and equipment and providing the equipment for the standard. The Team has been preparing the textbook for the practical training.

④ The Team has completed the Training Record Books for Deck and Engine cadets. The Team has been preparing the training manuals for sea training to follow the items of the Training Record Books.

⑤ The Team has submitted the report for IMO through Moroccan National Committee to give the necessary information prescribed by the STCW.

ACTIVITY 2. TECHNICAL INNOVATION Output : Training curriculum is to reflect technological innovation both in practice and theory.					
Activities	Target	Up to the 3rd Year 1998	Responsible Person in Project Team	Inputs	Remarks
2.1 To review the present training curriculum and clarify what is lacking in the light of technological innovation.			Director Chief Advisor	Chief Advisor Director of Study Heads of Dept. Long Term Experts	This activity is to be done each year.
2.1.1 To review the present training curriculum.		_____			
2.1.2 To collect the up-dated information of technological innovation.	Up-dated information on maritime field	_____		Actual Input	
2.2 To revise the training curriculum accordingly.	Revised training curriculum : 1 set	_____		Chief Advisor Director of Study Heads of Dept. Professors Long Term Experts	

The Team has been working on the following activities concerning the ACTIVITY TWO(2) for the technical innovation until the end of Nov.1998:

- ① The Team has collected the information on the training of the Diesel Engine Plant and of the Liquid Cargo Handling Simulator (Crude Oil Carrier and Chemical Carrier) by the manufacturer and some other sources.
- ② The Team has discussed the necessary information with the short term expert on Seamen's Education for Safety at Sen. Captain TSUNO.
- ③ The Team has discussed the up-dated information with the short term experts on Seamen's Education, Mr. Watanabe for Deck Department and Mr. Sudo for Engine Department from the Institute for Sea Training of Ministry of Transport of Japan.
- ④ The Team has discussed the necessary information with the short term expert on Seamen's Education for Crisis Management, Captain IKEGAMI from the Japan Association of Marine Safety, to prepare the up-grading course for the Ro/Ro passenger vessel.
- ⑤ The Team will establish the information system with the Organizations concern, e.g., the Maritime Universities and College in Japan, the World Maritime University in Sweden, the Japanese Ship Owners Association.
- ⑥ The Team has been preparing the Internet communication to collect the up-dated maritime information not only for the professors but for the students.

ACTIVITY 3. PRACTICAL TRAINING Output: Sufficient practical training of students is to be provided.					
Activities	Target	Up to the 3rd Year 1998	Responsible Person in Project Team	Input*	Remarks
3.1 To clarify what kind of curriculum, teaching manuals, textbooks facilities and equipment are necessary.			Director Chief Advisor	Chief Advisor Director of Study Heads of Dept. Long Term Experts Professors	Training at ISEM from 1996 Sea training from 1999
3.1.1 To analyze existing curriculum and others for practical training.	Summary of analysis	Completed in Mar.1997			
3.2 To revise curriculum, teaching manuals and textbooks for practical training in general.					
3.2.1 To improve existing curriculum.	New curriculum : 1 set/course	---Ditto---		Actual Input Chief Advisor Director of Study Heads of Dept. Long Term Experts Short Term Expert Professors	
3.2.2 To improve teaching manuals and textbooks.	New teaching manuals and textbooks : 1 set/course				
3.3 To conduct practical training.					
3.3.1 To implement practical training.	No. of trainee				
3.4 To make the detailed and standardized curriculum of sea training.					
3.5 To have sea training instructors to conduct training based on the new curriculum.		From 1999			

The Team has been working on the following activities concerning the ACTIVITY THREE(3) for the practical training until the end of Nov.1998.

- ① The Team has analyzed the necessary practical training at ISEM by means of the comparison with the Code A of revised STCW.
- ② The Team has managed the procurement of the main equipment as follows:
- Liquid Cargo Handling Simulator(VLCC) : installed in May 1997
 - Liquid Cargo Handling Simulator(Chemical Carrier) : will be installed by 1999.
 - Diesel Engine Plant : installed in Nov.1998.
 - Oil-hydraulic control training equipment : installed in Sep. 1998
 - Equipment for Safety and Firefighting : provided in May.1998.
 - Equipment fro GMDSS (Facsimile receiver for meteorological information, EGC receiver and two-way radio transceiver) : provided in Jul.1998
- ③ The Team has organized the practical trainings for the students on the regular course respectively.
- ④ The Team has been revising the sea training program by the discussion with the short term experts from the Institute for Sea Training, Ministry of Transport of Japan using the Training Record Book, Codes of STCW concern, etc.

ACTIVITY 4. UPGRADING TRAINING Output: Sufficient upgrading training is to be provided.					
Activities	Target	Up to the 3rd Year 1998	Responsible Person in Project Team	Input*	Remarks
4.1 To clarify what kind of curriculum, teaching manuals, textbooks and facilities and equipment are necessary.			Director Chief Advisor	Chief Advisor Director of Study Heads of Dept. Long Term Experts Professors	
4.1.1 To analyze existing curriculum and others for upgrading training	Summary of analysis	Completed in Mar. 1997			
4.2 To revise curriculum, teaching manuals and textbooks.					
4.2.1 To improve existing curriculum.	New curriculum : 1 set/course			Actual Input Chief Advisor Director of Study Heads of Dept. Long Term Experts Professors	
4.2.2 To improve teaching manuals and textbooks.	New teaching manuals and textbooks : 1 set/course				
4.3 To conduct upgrading training based on the new curriculum.					
4.3.1 To implement upgrading training.	No. of course : 2 weeks × 14 times/year				to be continued until the end of the Project.

The Team has been working on the following activities concerning the ACTIVITY FOUR(4) for the upgrading training until the end of Nov.1998.

① The Team has analyzed contents of up-grading courses prescribed by the STCW with the assistance by the short term experts, Captain Tsuno, Mr. Watanabe, Mr. Sudo and Captain IKEGAMI.

② The Team has collected information for the preparation of the Textbooks for each courses.

③ The Team has conducted the up-grading courses as follows:-

- Radar / ARPA
- Life Saving at Sea
- Firefighting
- Transportation of Petrol
- Transportation of Chemical Products
- GMDSS
- First Aid

④ The Team has been preparing the up-grading courses as follows:-

- Ro/Ro passenger vessel
- Fast rescue boat

ACTIVITY 5. INSTRUCTOR'S UPGRADING ___ Output : Instructors are to have proper specialization and better teaching abilities.					
Activities	Target		Responsible Person in Project Team	Input*	Remarks
5.1 To clarify what kind of specialization of instructors are to be strengthened.			Director Chief Advisor	Chief Advisor Director of Study Heads of Dept. Long Term Experts Short Term Experts Professors	
5.1.1 To analyze existing level of instructors and necessary specialization to be strengthened.	Check lists of instructors : 1 set	_____			
5.2 To formulate and implement a concrete staff development plan.					
5.2.1 To select applicants.	No. of C/P : two(2)	☆ ☆		Actual Input Chief Advisor	Selection of applicants and arrangement are for 1999
5.2.2 To arrange training courses including training in Japan.	Training program : 1 set	_____		Director of Study Heads of Dept.	
5.2.3 To give technical training in Japan.		_____		Long Term Experts Professors	

The Team has been working on the following activities concerning the ACTIVITY FIVE(5) for the instructor's upgrading until the end of Nov.1998.

① The Team has conducted the Training for the Professors -

- Mr. LAKHSASSI (Secretary General) in Dec.1995
- Mr. BERNI (Deck Department) in Mar.1996
- Mr. BARONY (Deck Department) in Sep.1996
- Mr. NIRI (Engine Department) in Sep.1996
- Mr. NAGUIB(Deck Department) in Sep.1997
- Mr. BOUDLAL(Engine Department) in Sep.1997
- Mr.BELKAD(Deck Department) in Oct.1998
- Mr.LEFHAL(Engine Department) in Oct.1998

② The Team has been discussed the Training for the Professors for the JFY1999 as follows:-

- Mr. MHADI (Deck Department)
- Mr. BECHTAOUI (Engine Department)

ACTIVITY 6. GMDSS TRAINING Output : Training related to GMDSS is to be undertaken.					
Activities	Target	Up to the 3rd Year 1998	Responsible Person in Project Team	Input*	Remarks
6.1 To make proper training material such as curriculum, teaching manuals and textbooks.			Director Chief Advisor	Chief Advisor Director of Study Professors	
6.1.1 To analyze existing training material.	No. of curriculum, teaching manual, textbook : 1 set/course	Completed in Mar. 1998		Actual Input Chief Advisor Director of Study Professors	
6.1.2 To improve existing training material.					
6.2 To conduct training related to GMDSS.	No. of course : 3 weeks X 4 times/yr				
6.2.1 To arrange GMDSS training course.					
6.2.2 To implement GMDSS training course.					To be continued until the end of the Project.

The Team has been working on the following activities concerning the ACTIVITY SIX(6) for the GMDSS training until the end of Nov. 1998:

① The Team has discussed the necessary additional equipment for the present GMDSS system as follows:-

- Enhanced Group Call (EGC) Receiver : provided in Jul. 1998.
- Faximili Receiver for the Meteorological Information : provided in Jul. 1998.
- Two-way radio transceiver : provided in Jul. 1998

② The Team has been conducting the up-grading course for GMDSS for the necessary officers from the shipping companies.

③ The Team has completed the Textbook for GMDSS.

ACTIVITY 7. EQUIPMENT..... Output : Appropriate machinery and equipment for the training courses are to be secured.					
Activities	Target	Up to the 3rd Year 1998	Responsible Person in Project Team	Input*	Remarks
7.1 To design the arrangement of the machinery and equipment.	Arrangement of preparation works and installation works : 1 set each	Completed in Jun.1997	Director Chief advisor	Chief Advisor	
7.2 To prepare the space for installation.				Director of Study	
7.2.1 To analyze the arrangement of preparation works.		Completed in Nov.1997		Secretary General	
7.2.2 To provide the budget for preparation and installation works.	Enough budget for each works			Long Term Experts	
7.2.3 To conduct the preparation works.	Enough space, facilities and basement for equipment	Completed in Feb.1998		Heads of Dept. Professors	
7.3 To conduct the installation works.				Necessary Machinery and Equipment	
7.3.1 To analyze the arrangement of installation works.		Completed in Sep.1997		Actual Input	
7.3.2 To conduct the installation works.	Completed equipment			Chief Advisor	
7.4 To have practical training on operation and maintenance.	No.of C/P:			Director of Study	
				Secretary General	
				Long Term Experts	
				Short Term Experts	
				Heads of Dept. Professors	
				Necessary Machinery and Equipment	

The Team has been working on the following activities concerning the ACTIVITY SEVEN(7) for the equipment until Nov. 1998:

- ① The Team has discussed with the short term experts, Mr. Tagashira and Mr. Ohira from the supplier of the Diesel Engine Plant for the design of the Plant, preparation and installation at ISEM.
- ② The Team has provided the necessary budget as follows:-
 - storage, transportation, insurance and agent fee : by ISEM
 - prefabrication of piping material : by ISEM
 - civil works : by ISEM
 - construction work of facilities : by JICA
- ③ The Team has received the equipment as follows:-
 - piping materials : in Dec. 1997
 - main equipment : in Feb. 1998
- ④ The Team has completed the installation of the Plant with the assistance of five(5) engineers from Japanese manufacturers in Nov.1998.
- ⑤ As the practical training by the above mentioned engineers has conducted by Dec.1998, The team has been conducting with the expert(s) continuously.

ANNEX 8

PLAN OF OPERATION FOR 4-TH YEAR AND 5-TH YEAR

M. J



Plan of Operation(4th Year and 5th Year)

(1/7)

ACTIVITY 1. GENERAL								Output : A clear policy on the future training, including preparation for the revisio of STCW Convention is to be laid.								Responsible Person in Project Team	Input*	Remarks
Activities	Target	Schedule(4th Year 1999)						Schedule(5th Year 2000)										
		1	2	3	4	5	6	7	8	9	10	11	12					
1.1 To analyze the existing courses and the current situation in general of the ISEM in the light of the Project purpose.														Director Chief Advisor	Chief Advisor Director of Study Heads of Dept. Long Term Experts			
1.1.1 To collect and analyze information of the international standards of seamen's education.	Revised STCW Convention	Completed in Mar.1997 for the first step.																
1.1.2 To analyze the current activities of the ISEM according to the up-dated education method.	Training Record of ISEM	Completed in Mar.1997 for the first step.																
1.1.3 To review components of personnel (students, instructors and administrative staff), curriculum and facilities and equipment.	Document of plan of ISEM													---Ditto---				
1.2 To formulate a master plan which serves as a comprehensive plan of activities.																		
1.2.1 To make the detailed plan of activities with the analysis in 1.1 above.	Detailed Plan of activities													---Ditto---				
1.2.2 To summarize a master plan as the comprehensive plan of activities.	Master plan													---Ditto---				

The Team will continuously collect information of the international standards of seamen's education through all possible source, e.g., Maritime Universities and the Institute for Sea Training of MOT in Japan, the International Maritime Organization and the Japan Ship Owners Association in UK., the World Maritime University in Sweden, and will establish the system to keep on communicate with such organizations even after the completion of The Project.

The Team will complete the preparation of the written materials for the education and training as mentioned in the activity 2(TECHNICAL INNOVATION), 3(PRACTICAL TRAINING), 4(UPGRADING TRAINING) and 6(GMDSS TRAINING).

The Team will study the necessary measure to ensure the quality control system prescribed in the STCW95 in the organization of planning and implementation of education and training at ISEM.

Plan of Operation (4th Year and 5th Year)

(2/7)

ACTIVITY 2. TECHNICAL INNOVATION... <i>Output: Training curriculum is to reflect technological innovation both in practice and theory.</i>																							
Activities	Target	Schedule(4th Year 1999)			Schedule(5th Year 2000)			Responsible Person in Project Team	Input*	Remarks													
		1	5	6	7	8	9				10	11	12	1	2	3	4	5	6	7	8	9	10
2.1 To review the present training curriculum and clarify what is lacking in the light of technological innovation.	Up-dated information on maritime field Revised training curriculum : 1 set								Director	Chief Advisor Director of Study Heads of Dept. Long Term Experts	This activity is to be done each year.												
2.1.1 To review the present training curriculum.									Chief Advisor														
2.1.2 To collect the up-dated information of technological innovation.																							
2.2 To revise the training curriculum accordingly.																							

The Team will review the present training curriculum periodically with the information through national and international sources and revise the training curriculum if necessary. Especially The Team should keep the careful notices to the decisions of IMO for the STCW Convention because there are the possibility to revise, add and modify the contents of the Convention.

The Team will establish the communication system by the INTERNET to collect the up-dated maritime information and to communicate and exchange information with organizations concern.

The Team will select and subscribe the journal, magazine and other materials concerning with the maritime field for the same reason above.

ACTIVITY 3. PRACTICAL TRAINING										Output : Sufficient practical training of students is to be provided.																		
Activities	Target	Schedule(4th Year 1999)												Schedule(5th Year 2000)												Responsible Person in Project Team	Input*	Remarks
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12			
3.1 To clarify what kind of curriculum, teaching manuals, textbooks facilities and equipment are necessary.	Summary of analysis	(for the second step)																								Director Chief Advisor	Chief Advisor Director of Study Heads of Dept. Long Term Experts Professors	Training at ISEM from 1996 Sea training: from 1999
3.1.1 To analyze existing curriculum and others for practical training.		Completed in Mar.1997 for the 1st step																										
3.2 To revise curriculum, teaching manuals and textbooks for practical training in general.	New curriculum : 1 set/ course	_____																										
3.2.1 To improve existing curriculum.		_____																										
3.2.2 To improve teaching manuals and textbooks.	New teaching manuals and textbooks : 1 set / course	_____																										
3.3 To conduct practical training.	No.of trainee :	_____																										
3.3.1 To implement practical training.		_____																										
3.4 To make the detailed and standardized curriculum of sea training.		_____																										
3.5 To have sea training instructors to conduct training based on the new curriculum.		_____																										

The Team will keep on analyzing and revising the existing curriculum and others for practical training for the second step to secure the international standard with the information collected by the ACTIVITY 2(TECHNICAL INNOVATION).

The Team will provide teaching manuals and textbooks for practical training for the regular course(some materials will be also used for the upgrading training concern) as follows:-

- 1) Life Saving at Sea
- 2) Firefighting(Basic and Advanced)
- 3) Radar/ARPA Simulator
- 4) First Aid
- 5) Marine Engineering Practice
- 6) Oil-hydraulic control

The Team will conduct the practical training above mentioned with the present training materials and with the new materials after the completion of them.

The Team will revise the sea training program to secure contents of the Training Record Book, will make the detailed and standardized curriculum of sea training and will conduct training based on the training manual, new curriculum and Training Record Book on the training ship to get the diploma of ISEM and the merchant ships of Moroccan shipping companies to get the certificate of competency.

ACTIVITY 4. UPGRADING TRAINING							Output: Sufficient upgrading is to be provided.																					
Activities	Target	Schedule(4th Year 1999)						Schedule(5th Year 2000)						Responsible Person in Project Team	Input*	Remarks												
		4	5	6	7	8	9	10	11	12	1	2	3				4	5	6	7	8	9	10	11	12	1	2	3
4.1 To clarify what kind of curriculum, teaching manuals, textbooks and facilities and equipment are necessary.	Summary of analysis	Completed in Mar. 1997																								Director Chief Advisor	Chief Advisor Director of Study Heads of Dept. Long Term Experts Professors	
4.1.1 To analyze existing curriculum and others for upgrading training.																												
4.2 To revise curriculum, teaching manuals and textbooks.	New curriculum : 1 set / course	will be completed in Mar. 1999																										
4.2.1 To improve existing curriculum.																												
4.2.2 To improve teaching manuals and textbooks.	New teaching manuals and textbooks : 1 set / course																											
4.3 To conduct upgrading training based on the new curriculum.																												
4.3.1 To implement upgrading training.	No. of course : 2 weeks X 14 times/year																											to be continued until the end of the project.

The Team will improve and provide the necessary teaching manuals and textbooks for the upgrading courses for the seamen of the shipping companies prescribed in the STCW Convention as follows:-

- 1) Life Saving at Sea
- 2) Firefighting(Basic and Advanced)
- 3) Radar/ARPA Simulator
- 4) Transportation of Petrol
- 5) Transportation of Chemical Products
- 6) GMDSS
- 7) Medical course (elementary first aid, proficiency in medical first aid, proficiency for person in charge of medical care on board ship)
- 8) Ro/Ro Passenger Vessel
- 9) Passenger Vessel
- 10) Survival craft and rescue boats other than fast rescue boats
- 11) Fast Rescue boat
- 12) Personal Safety and Social responsibility

The Team will conduct the above mentioned upgrading training with the present teaching materials and with the new teaching materials after the completion of them.

ACTIVITY 5. INSTRUCTOR'S UPGRADING		Output : Instructors are to have proper specialization and better teaching abilities.																										
Activities	Target	Schedule(4th Year 1999)												Schedule(5th Year 2000)							Responsible Person in Project Team	Input*	Remarks					
		1	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10				11	12	1	2	3
5.1 To clarify what kind of specialization of instructors are to be strengthened.																										Director	Chief Advisor	
5.1.1 To analyze existing level of instructors and necessary specialization to be strengthened.	Check lists of instructors : 1 set																									Chief Advisor	Director of Study	
5.2 To formulate and implement a concrete staff development plan.																											Heads of Dept.	
5.2.1 To select applicants.	No. of C/P : two(2)					☆																					Long Term Experts	
5.2.2 To arrange training courses including training in Japan.	Training program : 1 set																										Short Term Experts	
5.2.3 To give technical training in Japan.																											Professors	

The Team will arrange and conduct the technical training in Japan for the Japanese Fiscal Year of 1999 in the following contents for two(2) counterpart personnel:-

- 1) Deck Department : Mr.MHADI Abdelouahed
 - Training for Ro/Ro passenger vessel and Passenger vessel
 - Training for Fast rescue boat
 - Training for Maneuvering Simulator
- 2) Engine Department : Mr.BECHTADUI Mohamed
 - Operation and maintenance training on the marine engine and auxiliaries
 - Ship repair

The Team will clarify the necessary contents of training for ISEM, select at least two(2) proper counterparts, arrange training courses and conduct technical training in Japan for the Japanese Fiscal Year of 2000.

Plan of Operation(4th Year and 5th Year)

(6/7)

ACTIVITY 6. GMDSS TRAINING								Output : Training related to GMDSS is to be undertaken.																				
Activities	Target	Schedule(4th Year 1999)												Schedule(5th Year 2000)												Responsible Person in Project Team	Input*	Remarks
		4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3			
6.1 To make proper training material such as curriculum, teaching manuals and textbooks.	No. of curriculum, teaching manual, textbook : 1 set/course	Completed in Mar.1998																								Director Chief Advisor	Chief Advisor Director of Study Professors	
6.1.1 To analyze existing training material.		Completed in Sep.1998																										
6.1.2 To improve existing training material.		----Ditto----																										
6.2 To conduct training related to GMDSS.	No. of course: 3 weeks X 4 times/yr																											
6.2.1 To arrange GMDSS training course.																												
6.2.2 To implement GMDSS training course.																												

The Team will conduct GMDSS Training course and collect up-dated information concern to secure the proper training.

Plan of Operation (4th Year and 5th Year)

(7/7)

ACTIVITY 7. EQUIPMENT Output : Appropriate machinery and equipment for the training courses are to be secured.											
Activities	Target	Schedule(4th Year 1999)			Schedule(5th Year 2000)			Responsible Person in Project Team	Input*	Remarks	
		4	5	6	7	8	9				10
7.1 To design the arrangement of the machinery and equipment.	Arrangement of preparation works and installation works : 1 set each	Completed in Jun.1997						Director Chief Advisor	Chief Advisor Director of Study	The Diesel Engine Plant was installed in Nov.1998.	
7.2 To prepare the space for installation.		Completed in Nov.1997							Secretary General		
7.2.1 To analyze the arrangement of preparation works.		Completed in Aug.1998							Long Term Experts		
7.2.2 To provide the budget for preparation and installation works.	Enough budget for each works	Completed in Nov.1998							Heads of Dept.		
7.2.3 To conduct the preparation works.	Enough space, facilities and basement for equipment	Completed in Sep.1997							Professors		
7.3 To conduct the installation works.		Completed in Nov.1998							Necessary Machinery and Equipment		
7.3.1 To analyze the arrangement of installation works.		Completed equipment									
7.3.2 To conduct the installation works.	Completed equipment	Conducted by Dec.1998 by engineers of Japanese Manufacturer and will be continued by expert(s)									
7.4 To have practical training on operation and maintenance.	No. of C/P										

The Team will keep on conducting the practical training on operation and maintenance, will prepare the proper training program and will provide the training manual.

The Team will conduct the practical training for the regular students with the Diesel Engine Plant based on the requirements of the STCW Convention.

The Team will make a list of spare parts and necessary tools and provide them with the cost sharing by both sides. The Team will establish the procurement route of them from Morocco.

The Team will analyze the needs of shipping companies on the engineer's training using this Diesel Engine Plant. In case the shipping companies need the upgrading training with the Plant, The Team will prepare the necessary courses and conduct them.

ANNEX 9

TENTATIVE SCHEDULE OF IMPLEMENTATION

M.J




TENTATIVE SCHEDULE OF IMPLEMENTATION

	1996				1997				1998				1999				2000				2001							
	1	4	8	12	1	4	8	12	1	4	8	12	1	4	8	12	1	4	8	12	1	4	8	12				
I. Duration of cooperation	_____																											
II. Input by the Moroccan side																												
1. Design of the workshop	_____																											
2. Preparation of the workshop					_____																							
3. Assignment of Moroccan counterpart personnel	_____																											
4. Assignment of Moroccan administrative personnel	_____																											
5. Allocation of necessary budget	_____																											
III. Input by Japanese side																												
1. Dispatch of long-term experts																												
(1) Chief Advisor & Seamen's education(Marine Navigation)	_____																											
(2) Coordinator	_____																											
(3) Seamen's education(Marine Engineering)	_____																											
2. Dispatch of short-term experts					_____																							
3. Provision of machinery and equipment	_____																											
4. Training of Moroccan counterpart personnel in Japan	_____				_____				_____				_____				_____											
IV. Training																												
1. Freshmen training					_____																							
2. Upgrading training					_____																							

ANNEX 10

PLAN OF OPERATION FOR THE WHOLE PERIOD

M.T.



Plan of Operation for Whole Period

The Higher Institute for Maritime Studies Project

Project Purpose: To improve training levels at the ISEM in compliance with international training standards.

OUTPUTS	ACTIVITIES	TARGET	Schedule (Japanese Fiscal Year)																				Responsible Person in Project Team	input*	Remarks
			1996				1997				1998				1999				2000						
			I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV			
1. A clear policy on future training, including preparation for the revision of STCW Convention, is to be laid.	(1) To analyze the existing courses and the current situation in general of the ISEM in the light of the Project purpose. (2) To formulate a master plan which serves as a comprehensive plan of activities.	Master plan: 1 set																					Director Chief Advisor	C.A. D.S. H.D. L.E.	
2. Training curriculum is to reflect technological innovation both in practice and theory.	(1) To review the present training curriculum and clarify what is lacking in the light of technological innovation. (2) To revise the training curriculum accordingly.	Revised training curriculum: 1 set																					Director Chief Advisor	C.A. D.S. H.D. L.E.	
3. Sufficient practical training of students is to be provided.	(1) To clarify what kind of curriculum, teaching manuals, textbooks and facilities and equipment are necessary. (2) To revise the curriculum, teaching manuals and textbooks for practical training in general. (3) To conduct practical training based on the new curriculum. (4) To make a detailed and standardized curriculum of sea training. (5) To have sea training instructors conduct training based on the new curriculum.	No. of curriculum, teaching manual, textbook: 1 set No. of trainees ISEM training: Sea training:																					Director Chief Advisor	C.A. D.S. H.D. L.E. Prof.	Training at ISEM : from 1995 Sea training from 1999
4. Sufficient upgrading training is to be provided.	(1) To clarify what kind of curriculum, teaching manuals, textbooks, facilities and equipment are necessary. (2) To revise the curriculum, teaching manuals and textbooks. (3) To conduct upgrading training based on the new curriculum.	No. of curriculum, teaching manual, textbook: 1 set/course No. of course: 2 weeks X 14 times/yr																					Director Chief Advisor	C.A. D.S. H.D. L.E. Prof.	
5. Instructors are to have proper specializations and better teaching abilities.	(1) To clarify what kind of instructor specializations are to be strengthened. (2) To formulate and implement a concrete staff development plan.	No. of short term experts: two(2) /yr No. of C/P training in Japan: two(2) /yr																					Director Chief Advisor	C.A. D.S. H.D. L.E. S.E. Prof.	
6. Training related to GMDSS is to be undertaken.	(1) To make proper training material such as curriculum, teaching manuals and textbooks. (2) To conduct training related to GMDSS.	No. of curriculum, teaching manual, textbook: 1 set/Cu. No. of course: 3 weeks X 4 times/yr																					Director Chief Advisor	C.A. D.S. S.E. Prof.	
7. Appropriate machinery and equipment for the training courses are to be secured.	(1) To design the arrangement of the machinery and equipment. (2) To prepare the space for installation. (3) To conduct the installation works. (4) To have practical training on operation and maintenance.	Refer to the detailed plan																					Director Chief Advisor	C.A. D.S. S.G. L.E. H.D. Prof. Equip.	The Diesel Engine Plant was installed in Nov. 1998

* Person, equipment and other input necessary for implementing the activities

(C.A.:Chief Advisor, D.S.:Director of Study, H.D.:Head of Department, L.E.:Long Term Expert, S.E.:Short Term Expert, Prof.:Professor, S.G.:Secretary General, Equip.:Necessary Machinery and Equipment)