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APPENDIX 1 調査団要員計画表

担当	氏名	所属	格付	2009年												2010年											
				平成20年度(第1年次)						平成21年度(第2年次)						平成22年度(第3年次)											
				フェーズ1						フェーズ2																	
9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10		
現地作業	総括/灌漑農業	NTCI	2	毛受 亨政																							
	灌漑計画/環境影響評価	NTCI	3	鈴木 隆文																							
	営農1/市場流通1	NTCI	4	ムカブーハティ チワサシ																							
	参加型水管理1	NTCI	3	桑原 恒夫																							
	参加型水管理2	NTCI	5	滝川 永一																							
営農2	NTCI	4	中村 麻依子																								
農村給水計画	NTCI	3	土屋 俊宏																								
業務調整/市場流通2	NTCI	5	永井 智一																								
業務調整	NTCI	5	反町 早季																								
国内作業	総括/灌漑農業	NTCI	2	毛受 亨政																							
	灌漑計画/環境影響評価	NTCI	3																								
営農1/市場流通1	NTCI	4																									
参加型水管理1	NTCI	3																									
報告書																											
調査段階																											

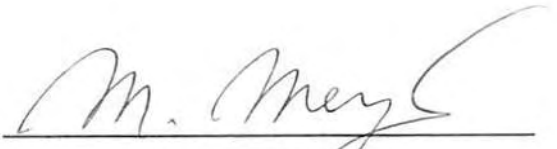
凡例) アサイン期間 []
 IC/R: インセンションレポート、P/R: プロGRESSレポート、IT/R: インテムレポート、DF/R: ドラフトファイナルレポート、F/R: ファイナルレポート
 NTCI: NTCI インターナショナル株式会社

MINUTES OF MEETING ON THE INCEPTION REPORT
FOR
THE DEVELOPMENT STUDY FOR THE PROJECT ON REVITALIZATION OF
IRRIGATED AGRICULTURE IN THE IRRIGATED ZONE OF FOUM GLEITA
IN THE ISLAMIC REPUBLIC OF MAURITANIA

NOUAKCHOTT, NOVEMBER 19, 2008



Ahmed Ould Bah Ould Cheikh Sidiya
General Director of National Agency for
Rural Development (SONADER)



Mr. Michimasa MENJO
Team Leader, JICA Study Team

The Study Team for the Development Study for the Project on Revitalization of Irrigated Agriculture in the Irrigated Zone of Foug Gleita in the Islamic Republic of Mauritania (hereinafter referred to as the Study Team) organized by Japan International Cooperation Agency (JICA), headed by Mr. Michimasa MENJO as Team Leader, and the Steering Committee headed by Mr. Ahmed Ould Bah Ould Cheikh Sidiya, General Director of the National Agency for Rural Development (SONADER), held a meeting and discussed on the Inception Report explained by the Study Team.

The list of participants is attached in Annex.

1. Submission of the Inception Report

The National Agency for Rural Development received 20 copies in French of the Inception Report submitted by the Study Team on November 19, 2008.

2. Meeting

A meeting was held between the Study Team and the Steering Committee at the Conference room of the SONADER in Nouakchott on November 19, 2008 to discuss on the Inception Report.

3. Presentation

The Study Team explained to the steering committee the Inception Report that contains the objectives, approaches and methodologies of the Development Study for the Project on Revitalization of Irrigated Agriculture in the Irrigated Zone of Foug Gleita.

4. Discussion

Based on the discussion, the Steering Committee and the Study Team confirmed their agreement on the contents of the Inception Report. Meanwhile, the following matters were discussed between both the parties.

- (a) Mauritania side asked that the measures for drinking water should be given high priority in the study. The Study Team answered that drinking water would be considered as a priority matter even though the revitalization of irrigated agriculture would be the main component in the study.
- (b) Mauritania side asked that the supports by Japanese assistances (included pilot project) should be concentrated in the zone of Foug Gleita. The Study Team answered that the main works of the study would be done for Foug Gleita but the study about the surrounding area is also necessary to make the sustainable plan for Foug Gleita. Additionally to say, we must emphasize that Japanese assistance could not solve all the problems without participant's involvement in the project and the full beneficiary participatory would be most important for sustainable development.
- (c) Mauritania side explained that they wish to include the diagnosis of Foug Gleita Dam in the works of the team. The Study Team answered that the diagnosis of Dam was beyond the scope of the study, so they could only offer comments based on field observation.

- (d) At the end of the Steering Committee, both parties agreed that the study would be conducted on basis with closely cooperation.

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LISTE DES PARTICIPANTS

Partie mauritanienne

SOCIETE NATIONALE DE DEVELOPPEMENT RURAL (SONADER)

M. Ahmed Ould Bah Ould Cheikh Sidiya	Directeur Général
M. Guisset Alassane Cherif	Directeur des Etudes et Aménagements
M. Kane Mamadou Ismaila	Directeur Administratif et Financier
M. Ismail Ould Ahmed	Directeur Programmation et suivi évaluation
M. Cheikh Mohamed Lagdaf Ould Mohamed	Responsable informatique
M. Abdellahi Ould Baba	Directeur Régional du Gorgol
M. Abdellahi Ould Guèye	Chef d'antenne de Foum Gleita

MINISTERE DES AFFAIRES ECONOMIQUES ET DU DEVELOPPEMENT

M. Bah Ould Bedda	Chef du service de la coopération bilatérale, Direction de la coopération économique et financière
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MINISTERE DU DEVELOPPEMENT RURAL

Mme. Lalla Aïche Mint Rabouh	Direction des politiques, coopération, et suivi évaluation
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CENTRE NATIONAL DE RECHERCHE AGRONOMIQUE ET DE DEVELOPPEMENT AGRICOLE

M. Ngam Abou Oumar	Directeur Général par intérim
M. Abdoul Omar Sarr	Chercheur

ELUS LOCAUX ET RESPONSABLES PAYSANS

El Hacem Ould Elhoucein dit Abdella	Maire de Foug Gleita et gérant de l'UCAF
Cherif Ould El Yamani	Président de l'UCAF (Union des coopératives agricoles de Foug Gleita)
Chef Bâ	Vice Président et Directeur de l'UCAF
Khalidou Dembely	Président de la coopérative de Foug Gleita

Partie japonaise

JICA SENEGAL

M. Shinji UMEMOTO	Chef du bureau JICA du Sénégal
M. Motonobu ICHIJO	Conseiller en Agriculture, Bureau JICA du Sénégal
M. Mamadou Aliou Barry	Deputy Programme Director

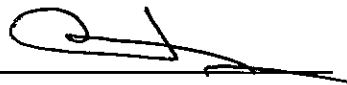
MISSION D'ETUDE

M. Michimasa MENJO	Chef de mission/agriculture irriguée
M. Takafumi SUZUKI	Irrigation/Gestion environnementale
M. Tomokaze NAGAI	Coordination/Marketing
M. Shigeru TAKAGI	Conseiller

THE DEVELOPMENT STUDY FOR THE PROJECT ON REVITALIZATION OF
IRRIGATED AGRICULTURE IN THE IRRIGATED ZONE OF FOUM GLEITA
IN THE ISLAMIC REPUBLIC OF MAURITANIA

**MINUTES OF MEETING
ON THE PROGRESS REPORT 1**

NOUAKCHOTT, FEBRUARY 12, 2009



Ahmed Ould Bah Ould Cheikh Sidiya
Directeur Général
Société Nationale de Développement Rural



Michimasa Menjo
Chef de la mission d'étude JICA

The Study Team for the Development Study for the Project on Revitalization of Irrigated Agriculture in the Irrigated Zone of Foum Gleita in the Islamic Republic of Mauritania (hereinafter referred to as the Study Team) organized by Japan International Cooperation Agency (JICA), headed by Mr. Michimasa MENJO as Team Leader, and the Steering Committee headed by Mr. Ahmed Ould Bah Ould Cheikh Sidiya, Director General of the National Agency for Rural Development (SONADER), held a meeting and discussed on the Progress Report 1 explained by the Study Team.

The list of participants is attached in Annex.

1. Submission of the Progress Report 1

The Study Team has submitted 20 copies of Progress Report 1 for Phase 1 on February 12, 2009.

2. Meeting

A meeting was held between the Study Team and the Steering Committee at the Conference Room of the SONADER in Nouakchott on February 12, 2009 to explain and to discuss on the Progress Report 1.

3. Discussion

Through the explanation of the Progress Report by the Study Team, the Steering Committee recognized the contents as successful results, and therefore congratulated and encouraged the Study Team. Meanwhile the following matters were discussed between both the parties and each side expressed their opinions.

- (a) SONADER requested that the top priority of the Study be Foum Gleita irrigation area. The Study Team answered that the top priority is given to Foum Gleita area, while the Study is also conducted in parallel in the Gorgol Basin area.
- (b) Members of the Steering Committee insisted that a project for drinking water system for Foum Gleita has a high priority in this Study. Since the drinking water is supplied by the irrigation canal, the Study Team recognizes its necessity not only for the purpose of future maintenance activities of canals, which enable water stoppage during cleaning works, but also for farmers' basic sanitation.
- (c) SONADER emphasized that rehabilitation of the Project would have mostly positive impacts concerning environment impact evaluation.
- (d) Farmers Cooperatives leaders from Foum Gleita gave their opinions about details of rehabilitation work. The Study Team answered that their concern would be taken into consideration during the actual works.

4. Comments

SONADER expressed that further comments would be made and will be submitted within a week to the Study Team after scrutinizing the Progress Report. The Study Team took notice of the information and informed that necessary amendments of the report shall be made after receiving the comments from SONADER.

LISTE OF ATTENDANTS TO THE STEERING COMMITTEE (February 12, 2009)

Mauritanienne side

National Agency for Rural Development (SONADER)

Mr. Ahmed Ould Bah Ould Sidiya	Directeur Général
Mr. Guisset Alassane Cherif	Directeur des Etudes et Aménagements
Mr. Ismael Ould Ahmed	Directeur Programmation et Suivi et Evaluation
Mr. Diop Alioun Demme	Directeur de la Mise en valeur
Mr. Abdallahi Ould Baba	Directeur Regional Gorgol
Mr. Abdellahi Ould Gueye	Chef Service Antenne Foug Gleita office
Mr. Touda Boukhaïr	Chef Service des Etudes

Ministry of Economic Affaires and Development

○ Mr Houssein Ould Meydoub Chef Service Coopération Bilatérale/Direction de la Coopération Economique et Financière

Ministry of Rural Development

Mr. Demba Ould Sabar Chef Service Evaluation et Suivi/ Direction des Politiques, Coopération, Suivi et Evaluation

National Agronomic Research and Agricultural Development Center (CNRADA)

Mr. Abou Sarr Chercheur

Local leaders

ElHacen Ould Elhouceïn dit Abdella Maire de Foug Gleita/ Gérant de l'Union des Coopératives de Foug Gleita (UCDF)

○ Mr. Chef Ba Vice président de l'Union des Coopératives Agricoles de Foug Gleita

Mr. Cherif Ould Yamami Président de l'Union des Coopératives Agricoles de Foug Gleita

Mr. Kalidou Dembelle Président de Coopérative

Mr. Al Housseyn Samba Sow President de la Coopérative Foiré

Mr. Sidi Ahmed Ould Emasse President de la Coopérative Nejah

Japanese side

Mr. Michimasa MENJO	Chef de l'équipe/Agriculture Irriguée
Mr. Takafumi SUZUKI	Irrigation/Gestion de l'Environnement
Mr. Chellasamy MURUGABOOPATHI	Agriculture et Commercialisation (1)
Mr. Tsuneo KUWAHARA	Gestion participative de l'eau (1)
Mr. Eiichi TAKIGAWA	Gestion participative de l'eau (2)
Mr. Tomakazu NAGAI	Coordinateur/ Commercialisation (2)

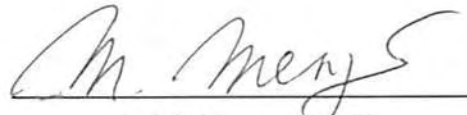


MINUTES OF MEETING ON THE INTERIM REPORT
FOR
THE DEVELOPMENT STUDY FOR THE PROJECT ON REVITALIZATION OF
IRRIGATED AGRICULTURE IN THE IRRIGATED ZONE OF FOUM GLEITA
IN THE ISLAMIC REPUBLIC OF MAURITANIA

NOUAKCHOTT, MAY 20, 2009



Ahmed Ould Bah Ould Cheikh Sidiya
General Director of National Agency for
Rural Development (SONADER)



Mr. Michimasa MENJO
Team Leader, JICA Study Team

The Study Team for the Development Study for the Project on Revitalization of Irrigated Agriculture in the Irrigated Zone of Foug Gleita in the Islamic Republic of Mauritania (hereinafter referred to as the Study Team) organized by Japan International Cooperation Agency (JICA), headed by Mr. Michimasa MENJO as Team Leader, and the Steering Committee headed by Mr. Ahmed Ould Bah Ould Cheikh Sidiya, General Director of the National Agency for Rural Development (SONADER), held a meeting and discussed on the Interim Report explained by the Study Team. The list of participants is attached in Annex.

1. Submission of the Interim Report

The National Agency for Rural Development received 30 copies in French of the Inception Report submitted by the Study Team on May 19, 2009.

2. Meeting

A meeting was held between the Study Team and the Steering Committee at the Conference room of the SONADER in Nouakchott on May 20, 2009 to discuss on the Interim Report.

3. Presentation

The Study Team explained to the steering committee the Interim Report that contains the modifications of the Progress Report (1), the draft of Action Plan, and Verification Study Plan for the Foug Gleita Project.

4. Discussion

Based on the discussion, the Steering Committee and the Study Team confirmed their agreement on the contents of the Interim Report. Meanwhile, the following matters were discussed between both the parties.

- (a) Mauritanian side reaffirmed that the Study should be focused on the Foug Gleita Project Area, and the Model Plan for the Gorgol basin should be formulated based on the results of the Action Plan of the Foug Gleita Project Area.
- (b) Mauritanian side once again reconfirmed that the drinking water for the Foug Gleita Project Area should have a high priority in the study. The Study Team answered that a Water Supply Expert is newly assigned in the Study in order to analyze the drinking water situation in the project area.
- (c) The Study Team requested that CNRADA should provide their full active support for the Verification Trials to be conducted in Foug Gleita. CNRADA fully agreed to provide their active support for the Verification Trials.
- (d) Mauritania side mentioned that Sahel Rice varieties are more suitable for the Foug Gleita area than the NERICA upland varieties. The Study Team answered that the NERICA varieties will be experimented mainly to analyze the possibility of growing rice in low water availability areas. The suitable varieties will be selected after discussion of the Study Team with the farmers' cooperatives, SONADER and CNRADA.

- (e) The Study Team explained that the emergency rehabilitation works will be carried out during this phase in the most vulnerable areas of the project which needs urgent rehabilitation works. The Mauritanian side appreciated the efforts of the Study Team in this matter.

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LIST OF PARTICIPANTS (French)

Partie mauritanienne

SOCIETE NATIONALE DE DEVELOPPEMENT RURAL (SONADER)

M. Ahmed Ould Bah Ould Cheikh Sidiya	Directeur Général
M. Guisset Alassane Cherif	Directeur des Etudes et Aménagements
M. Ismail Ould Ahmed	Directeur Programmation et suivi évaluation
M. Cheikh Mohamed Lagdaf Ould Mohamed	Responsable informatique
M. Abdellahi Ould Guèye	Chef d'antenne de Fouta Gleita
M. Touda Belkhair	Chef service des études (DEA)
M. Diop Aliou Demme	Direction de la mise en valeur
M. Diop Mohamedine	Conseiller technique

MINISTERE DES AFFAIRES ECONOMIQUES ET DU DEVELOPPEMENT

M. Houssein Mejdoub	Chef du service Direction du Financement et de l'Evaluation
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MINISTERE DU DEVELOPPEMENT RURAL

M. Demba Ould Sabar	Chef de service Suivi et Evaluation (DPCSE)
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CENTRE NATIONAL DE RECHERCHE AGRONOMIQUE ET DE DEVELOPPEMENT AGRICOLE

M. N'Gam Abou Oumar	Directeur
M. Ahmed Ould Memed	Représentant régional
M. Abdoul Oumar sarr	Chercheur

ELUS LOCAUX ET RESPONSABLES PAYSANS

M. El Hacem Ould Elhoucein dit Abdella	Maire de Fouta Gleita et gérant de l'UCAF
M. Cherif Ould El Yamani	Président de l'UCAF (Union des coopératives agricoles de Fouta Gleita)
M. Kalidou Alassane	Vice Président et Directeur de l'UCAF

Partie japonaise

MISSION D'ETUDE

M. Michimasa MENJO	Chef de mission/agriculture irriguée
M. Takafumi SUZUKI	Irrigation/Gestion environnementale
M. C. MURUGABOOPATHI	Exploitation agricole
M. Tsuneo KUWAHARA	Gestion participative de l'eau
Melle Maiko NAKAMURA	Exploitation agricole
M. Tomokaze NAGAI	Coordination/Marketing



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MINUTES OF MEETING ON THE PROGRESS REPORT 3
FOR
THE DEVELOPMENT STUDY FOR THE PROJECT ON REVITALIZATION OF
IRRIGATED AGRICULTURE IN THE IRRIGATED ZONE OF FOUM GLEITA
IN THE ISLAMIC REPUBLIC OF MAURITANIA

NOUAKCHOTT, MARCH 10, 2010



Mr. Ahemed Ould Bah Ould Cheikh Sidiya
General Director of National Agency for
Rural Development (SONADER)



Mr. Michimasa MENJO
Team Leader, JICA Study Team

The Study Team for the Development Study for the Project on Revitalization of Irrigated Agriculture in the Irrigated Zone of Foug Gleita in the Islamic Republic of Mauritania (hereinafter referred to as the Study Team) organized by Japan International Cooperation Agency (JICA), headed by Mr. Michimasa MENJO as the Team Leader, and the Steering Committee headed by Mr. Ahmed Ould Bah Ould Cheikh Sidiya, General Director of the National Agency for Rural Development (SONADER), held a meeting and discussed on the Progress Report 3 explained by the Study Team.

The list of participants is attached in the Annex.

1. Submission of the Progress Report 3

SONADER received 25 copies in French of the Progress Report 3 submitted by the Study Team on March 10, 2010.

2. Meeting

A meeting was held between the Study Team and the Steering Committee at the Conference room of the SONADER in Nouakchott on March 10, 2010 to discuss on the Progress Report 3.

3. Presentation

The Study Team explained the Progress Report 3 to the steering committee that contains the details of the Phase 2 Study including participatory irrigation facilities management, verification trials, rural society survey, farm economic survey, drinking water facilities plan, rehabilitation plan of the irrigation facilities, action plan (draft), and model plan (draft) of the Development Study for the Project on Revitalization of Irrigated Agriculture in the Irrigated Zone of Foug Gleita.

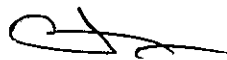
4. Discussion

Based on the discussion, the Steering Committee and the Study Team confirmed their agreement on the contents of the Progress Report 3. Meanwhile, the following matters were discussed between both the parties.

- (a) The Study team explained that the plan for the drinking water facilities for Foug Gleita and the surrounding areas is already under consideration by the Department of Hydrology and Barrage under the Ministry of Hydrology and Development as a high priority project. Hence, it was agreed that the drinking water facilities shall not be included in this Study.
- (b) The Study team suggested the Mauritanian side that the preparation of a resettlement plan will be very useful for the smooth progress of the Foug Gleita Irrigation Project.
- (c) The Mauritania side explained about the necessity of farm machinery and vehicles for the sustainability of the Foug Gleita Project.
- (d) The President of the farmers' cooperative union (UCAF) requested to SONADER to provide necessary support for the reactivation of the cooperatives and formation of new Union within the next 2 months period. SONADER confirmed that they will provide the needful support to carry out such activities successfully.
- (e) After discussing all the agenda, the meeting was ended at 15h30mn.

MINUTES OF MEETING ON THE PROGRESS OF WORK
FOR
THE DEVELOPMENT STUDY FOR THE PROJECT ON REVITALIZATION OF
IRRIGATED AGRICULTURE IN THE IRRIGATED ZONE OF FOUM GLEITA
IN THE ISLAMIC REPUBLIC OF MAURITANIA

NOUAKCHOTT, June 7, 2010



Mr. Ahemed Ould Bah Ould Cheikh Sidiya
General Director of National Agency for
Rural Development (SONADER)



Mr. Michimasa MENO
Team Leader, JICA Study Team

The Study Team for the Development Study for the Project on Revitalization of Irrigated Agriculture in the Irrigated Zone of Foug Gleita in the Islamic Republic of Mauritania (hereinafter referred to as the Study Team) organized by Japan International Cooperation Agency (JICA), headed by Mr. Michimasa MENJO as the Team Leader, and the Steering Committee headed by Mr. Ahmed Ould Bah Ould Cheikh Sidiya, General Director of the National Agency for Rural Development (SONADER), held a meeting under the presence of officials of the Japan Embassy and JICA DAKAR, and discussed on the Progress of Work until the beginning of June as explained below.

The list of participants is attached in the Annex.

1. Submission of the Report on the Progress of Work

The Study team submitted the Report on the Progress of Work which includes drafts of A/P, M/P, Conclusion and Recommendation.

2. Meeting

A meeting was held between the Study Team and the Steering Committee at the Conference room of the SONADER in Nouakchott on June 07, 2010 to discuss on the above mentioned report.

3. Presentation

The Study Team explained the report on the Progress of Work to the steering committee that contains the details of the Draft Action Plan (draft), Draft Model Plan (draft), Conclusion and Recommendation of the Development Study for the Project on Revitalization of Irrigated Agriculture in the Irrigated Zone of Foug Gleita. Besides, the Study Team also explained the progress of establishment for new organizational set-up of the farmers union in Foug Gleita.

4. Discussion

Based on the discussion, the Steering Committee and the Study Team basically confirmed their understanding and agreement on the contents of the report and the presentation. Meanwhile, the following matters were discussed between both the parties.

- (a) The Study Team explained that the sustainability of the project can not be maintained only by the rehabilitation of the irrigation and drainage facilities, and they insisted on the importance of proper formation of the farmers union and strengthening of SONADER towards the sustainability of the project.
- (b) In due consideration of the demands of the farmers, JICA Study Team indicated a proper intermediate plan for future formation of the new union.
- (c) The issue to set up a union of farmers organization, was discussed for a long time by SONADER and the concerned parties in the meeting, and SONADER committed to itself to carry on consulting with all the involved parties taking into consideration of the legal aspect of the issue.
- (d) The Study Team requested that SONADER should provide necessary support so that the on-going activities in Foug Gleita project towards the formation of a new union would be

successful. SONADER confirmed that they will provide the needful support to carry out such activities successfully.

- (e) The Steering committee requested that recommendations shall be made in the report on the necessity of finding solutions to avoid the livestock damages of irrigation and drain canals and facilities for guaranteeing their sustainability.
- (f) In consideration of the urgency of the project, the Steering Committee strongly requested for the assistance of Government of Japan for the immediate implementation of the rehabilitation of the project. Besides, they also requested for a technical assistance to take place from the end of the study until the start of the rehabilitation works, so that the on-going activities and momentum in establishing a new union and other activities of the project would progress smoothly without any discontinuation.
- (g) The Study team requested that any comments on the Report on the Progress of Work shall be submitted until the end of June, 2010.
- (h) After discussing all the agenda, the meeting was ended at 16h00.

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LIST OF ATTENDANTS

Mauritanian Side

Société Nationale pour le Développement Rural

M. Ahmed Ould Bah Ould Cheikh Sidiya	Directeur Général
M. Touda Belkheir	Directeur des Études et Aménagements
M. Ba Mamadou Oumar	Directeur Régional du Gorgol
M. Abdellahi Ould Guèye	Chef d'Antenne de Foug Gleita
M. Diop Aliou Demme	Directeur Mise en Valeur
M. Mohamed Vall Ould Weraa	Formateur
M. Aly Ould Abeidi	Contrôleur de gestion

Ministère du Développement Rural

M. Demba Ould Sabar	Chef Service du Suivi Évaluation, Direction des Politiques, Coopération et Suivi Évaluation
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Ministère des Affaires Économiques et du Développement

M. Wane Baila Abdoul	Chef Service de la Coopération Bilatérale, Direction des Financements et Évaluation
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Centre National de Recherche Agronomique et de Développement Agricole

M. Abdoul Oumar Sarr	Chercheur
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Japanese Side

Embassy of Japan in Mauritania

Ms. Michito KAWASAKI	Political Attache, Embassy of Japan
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JICA Senegal

Mr. Haruhiko IGAWA	JICA Senegal Office
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Study Team

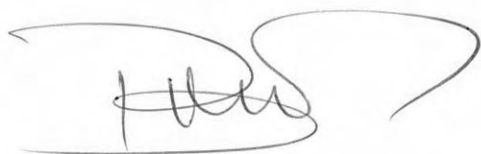
Mr. Michimasa MENJO	Team Leader/Irrigated Agriculture
Mr. Takafumi SUZUKI	Irrigation/Environmental Management
Mr. Chellasamy MURUGABOOPATHI	Agriculture and Marketing (1)
Mr. Tsuneo KUWAHARA	Participatory water management (1)
Mr. Tomakazu NAGAI	Coordinator/ Marketing (2)

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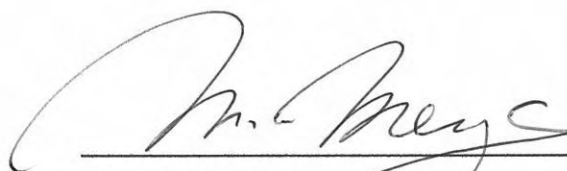


MINUTES OF MEETING ON THE PROGRESS OF WORK
FOR
THE DEVELOPMENT STUDY FOR THE PROJECT ON REVITALIZATION OF
IRRIGATED AGRICULTURE IN THE IRRIGATED ZONE OF FOUM GLEITA
IN THE ISLAMIC REPUBLIC OF MAURITANIA

NOUAKCHOTT, August 31, 2010



Mr. Mohamed Ould H'MALLA
General Director of National Agency for
Rural Development (SONADER)



Mr. Michimasa MENJO
Team Leader, JICA Study Team

The Study Team for the Development Study for the Project on Revitalization of Irrigated Agriculture in the Irrigated Zone of Fom Gleita in the Islamic Republic of Mauritania (hereinafter referred to as the Study Team) organized by Japan International Cooperation Agency (JICA), headed by Mr. Michimasa MENJO as the Team Leader, and the Steering Committee headed by Mr. Mohamed Ould H'MALLA, General Director of the National Agency for Rural Development (SONADER), held a meeting under the presence of officials of the Japan Embassy and JICA DAKAR, and discussed on the Draft Final Report of the Project as explained below.

The list of participants is attached in the Annex.

1. Submission of the Draft Final Report for the Project

The Study team submitted the Draft Final Report for the project which summarizes and analyzes the activities of the study components and proposes an Action Plan and Model Plan of the Project including Conclusions and Recommendations. SONADER received 30 copies in French and 5 copies in English of the Draft Final Reports.

2. Meeting

A meeting was held between the Study Team and the Steering Committee at the Conference room of the SONADER in Nouakchott on August 31, 2010 to discuss on the above mentioned report.

3. Presentation

The Study Team briefed the story of the Project and explained the report to the steering committee that contains the details of the Action Plan (draft final), Model Plan (draft final), Conclusion and Recommendation of the Development Study for the Project on Revitalization of Irrigated Agriculture in the Irrigated Zone of Fom Gleita. Besides, the Study Team also suggested some modifications in the final report concerning the following matters:

- Downsizing of principal and primary canals: Inside surface of these canals are proposed for concrete lining. The lining will improve and reduce roughness of water flowing hydraulic condition. This improvement could allow the downsizing of the canals cross section so as to contribute to the reduction of construction cost.
- Allocated rehabilitation cost of principal and primary canals for present irrigation area: The principal and primary canal can cover and contribute irrigation area for total 3,600ha in future including 1,950ha of present project scale. To evaluate a proper economy of the Project corresponding to the actual irrigation area for the present project scale, it will be preferable to take into consideration the allocated rehabilitation cost for 1950 ha as it can cover the entire 3600 ha.

4. Discussion

Based on the discussion, the Steering Committee and the Study Team basically confirmed their understanding and agreement on the contents of the report and the presentation. Meanwhile, the following matters were discussed between both the parties.



- (a) The Study Team explained that the activation and sustainability of the project can be maintained by the rehabilitation of the irrigation and drainage facilities in addition to the participatory activities of farmers and strengthening of SONADER.
- (b) In consideration of the urgency of the project, the Steering Committee eagerly expressed the necessity of the support and the assistance by Government of Japan for the immediate implementation of the rehabilitation of the project.
- (c) The Steering committee expressed some remarks. The Study team answered that the remarks by Steering Committee will be taken into consideration in Final Report. The Study Team also requested that any remark on the Report shall be submitted until September, 30, 2010.
- (d) After discussing all the agenda, the meeting was ended at 13h00.



LIST OF ATTENDANTS

Mauritanian side

Société Nationale pour le Développement Rural

M. Mohamed Ould H'Malla	Directeur Général
M. Zeidane Ould Sidi Boubacar	DGA
M. Moulaye Ould Mayuf	Conseiller juridique
M. Diop Mohamedine	Conseiller technique
M. Diop Aliou Demme	Directeur Mise en Valeur
M. Ismail Ould Ahmed	Directeur suivi-évaluation
M. Kane Mamadou Ismaila	DAF
M. Touda Belkheir	Directeur des Études et Aménagements
M. Aly Ould Aberdy	Contrôleur de gestion
M. Abdellahi Ould Guèye	Chef d'Antenne de Foug Gleita
M. Diallo Moussa	Laboratoire
M. Cheik Mohamed Lagfal Ould Mohamed	Responsable informatique
M. Mohamed Fall	Formateur

Ministère du Développement Rural

M. Demba Ould Sabar	Chef de service
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Ministère des Affaires Économiques et du Développement

M. Hussein Mejdoub	DA/DMCAE/MAED
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Centre National de Recherche Agronomique et de Développement Agricole

M. Abdoul Oumar Sarr	Chercheur
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Organisations agricoles

M. Dia Saidou Samba	Vice président Coopérative Pellital
M. Jaafar Ould Lehbib	Président P1
M. Ragel Ould Yehafdou Ould Jafaar	Président UCAF
M. Emssa Ould Emessa	Président P2

Japanese side

Ambassade du Japon en Mauritanie

Mme. Michito KAWASAKI	Attaché Politique, Ambassade du Japon
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JICA Sénégal

M. Haruhiko IGAWA	JICA Bureau JICA du Sénégal
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Study Team

M. Michimasa MENJO	Chef d'Equipe/Agriculture Irriguée
M. Takafumi SUZUKI	Irrigation/Gestion environnementale
Melle Saki Sorimachi	Coordinatrice

APPENDIX3 面会者リスト

【Organisations Gouvernementales 政府機関】

Société Nationale pour le Développement Rural (SONADER) 農村開発公社

	Nom 氏名	Titre 肩書	
Siège à Nouakchottヌアクショット本部			
1	Ahmed ould Bah ould Cheikh Sidiya	Directeur Général	総裁
2	Guisset Alassane Chérif	Directeur des Etudes et Aménagements	調査・整備局長
3	Kane Mamadou Ismaila	Directeur Adiministratif et Financier	総務・財務局長
4	Ismail ould Ahmed	Directeur du Suivi et Évaluation	計画・モニタリング評価局長
5	Cheikh Mohamed Lagadaf ould Mohamed	Responsable Informatique	IT マネージャー
Direction Régionale du Gorgol ゴルゴル州支局			
1	Abdellahi ould Baba	Directeur Régional	支局長
2	Mody Samba Ndiaye	Chef Service Travaux	工事部長
3	Bekar ould Djah	Chef Service Administratif	管理部長
Antenne de Fom Gléita フーム・グレイタ支局			
1	Abdellahi ould Guèye	Chef d'Antenne	支所長
2	Kane Djibril Ousmane	Chef Service Vulgarisation	普及部長
3	Mohameden Habiboullah	Chef Service Travaux	工事部長
4	Idoumou ould Ethmane	Agent de Vulgarisation à la Base (AVB)	農業普及員
5	Ba Abdoul Alassane	AVB	農業普及員
6	Jaavar ould El Hacem	AVB	農業普及員
7	Samba Yéné	AVB	農業普及員
8	Mohamed Fall ould Wery	Formateur	研修担当

Ministère du Développement Rural (MDR) 農村開発省

	Nom 氏名	Titre 肩書	
1	Aly Fall	Secrétaire Général	事務次官
2	Fall Mokhtar	Conseiller Technique Chargé de l'Élevage	畜産技術シニアアドバイザー
3	Lalla Aïche mint Rabouh	Directrice des Politiques, Coopération, et Suivi Evaluation	政策協力モニタリング評価局長
4	Mamoudou Samba Anne	Ingénieur Statisticien-Agro-économiste	農業経済・統計エンジニア

Ministère des Affaires Economiques et du Développement (MAED) 経済開発省

1	Mohamed El Hassen ould Boukhreiss	Directeur des Financements et Evaluations	財務評価局長
2	Bah ould Bedda	Chef Service, Chargé de la Coopération Bilatérale	国際協力局 日本課長

Ministère de l'Environnement 環境省

	Nom 氏名	Titre 肩書	
1	Hamoud ould Sid'Ahmed	Conseiller Juridique	法律アドバイザー

Ministère de l'Hydraulique et de l'Energie 水資源省

	Nom 氏名	Titre 肩書	
1	Lefdal ould Dadde	Coordinateur National du Programme Régional Solaire – Phase II	地方ソーラープログラムフェーズII調整員

Centre National de Recherche Agronomique et de Développement Agricoles (CNRADA)**国立農学・農業開発研究センター**

	Nom 氏名	Titre 肩書	
1	Ngam Abou Oumar	Directeur Général	総裁
2	Abdoul Omar Sarr	Chercheur	研究員

Agence Nationale d'Eau Potable et d'Assainissement (ANEPA) 国立・飲料水浄化機関

	Nom 氏名	Titre 肩書	
1	Brahim ould H'Meyada	Directeur Général	総裁

Société Nationale de l'Eau (SNDE) 水道公社

	Nom 氏名	Titre 肩書	
1	Mohamed Salem ould Bahiya	Chef Département Etudes et Travaux	調査・工事部長
2	Ahmad Salem ould Abderraouf	Chef Département Production et Maintenance	生産・維持管理部長

Société Nationale des Forages et Puits (SNFP) 井戸公社

	Nom 氏名	Titre 肩書	
1	Sidi El Mokhtar ould Abdelahi	Directeur	総裁
2	Ba Smaila	Directeur Technical	技術局長

【Organisations Internationales 国際機関】**Banque Mondiale (World Bank) 世界銀行**

	Nom 氏名	Titre 肩書	
1	Amadou Oumar Ba	Spécialiste Principal des Services Agricoles (Chargé du PDIAIM)	農業分野シニア専門官 (PDIAIM 担当)
2	Brahim ould Abdelwedoud	Spécialiste Urbain Principal AFTUW (Chargé du PDIAIM)	都市問題シニア専門官 (PDIAIM 担当)

Programme des Nations Unies pour le Développement (PNUD, UNDP) 国連開発計画

	Nom 氏名	Titre 肩書	
1	Jean-Marc Lozier	Security Adviser	セキュリティアドバイザー

Programme Alimentaire Mondial (PAM, WFP) 世界食糧計画

	Nom 氏名	Titre 肩書	
1	Guy Gauvreau	Représentant	代表
2	Amadou Samaké	Directeur Adjoint	次長
3	Boubacar Konte	Chargé de Programme Développement Rural	農村開発プログラム担当

Organisation des Nations Unies pour l'Alimentation et l'Agriculture (FAO) 国際連合食糧農業機関

	Nom 氏名	Titre 肩書	
1	Radisav Pavlovic	Représentant	所長
2	Ahmeda ould Mohamed Ahmed	Assistant au Représentant	所長補佐

Centre du Riz pour l'Afrique (ADRAO, WARDA) アフリカ稲作センター

	Nom 氏名	Titre 肩書	
1	Vicent Bado	Chef de Station, St.Louis	St.Louis 所長
2	Karim Traore	Rice Breeder	専門家(育種)
3	Baboucar Mannch	Molecular Biologist	専門家(分子性物学)
4	Souleymane Gaye	Research Assistant	研究助手
5	Matt Demont	Agricultural Economist	専門家(農業経済)

【Organisations dans la zone d'intervention 調査対象地域の組織】

Hôpital Régional de Kaédi カエディ地方病院

	Nom 氏名	Titre 肩書	
1	Goungui Youssef	Chef service de l'information en la surueyllance epidemiology	感染症調査情報サービス長

Poste de santé de Foug Gléita フーム・グレイタ診療所

	Nom 氏名	Titre 肩書	
1	Abou Spuleyman Bâ	Infirmier	看護師

Représentants des résidents de Foug Gléita フーム・グレイタ住民代表

	Nom 氏名	Titre 肩書	
1	El Hacem ould El Houcein dit Abdella	Maire de Foug Gléita	フーム・グレイタ市長
2	Chérif ould El Yamani	Président de l'Union des Coopératives Agricoles de Foug Gléita (UCAF)	フーム・グレイタ農業組合連盟 (ユニオン) 会長
3	Chef Bâ	Vice-Président de l'UCAF	フーム・グレイタ農業組合連盟 (ユニオン) 副会長
4	Khalidou Dembely	Président d'une coopérative de Foug Gleita	フーム・グレイタ協同組合会長

ONGs actives dans la domaine de l'agriculture à Foug Gléita

フーム・グレイタにおいて農業分野で活動中の NGO

	Nom 氏名	Titre 肩書	
1	Sidi Mohamed	Président de l'Association pour la Formation des Productions et de Développement (AFPD)	生産訓練開発協会代表
2	Abdoulaye Harouna Ba	Président de l'SOS Génération Future	将来世代 SOS 代表
3	Tuhirou Moussa	Association Mauritanienne pour le Développement et l'Education à la Base (AMADE)	開発と基礎教育のためのモーリタニア協会

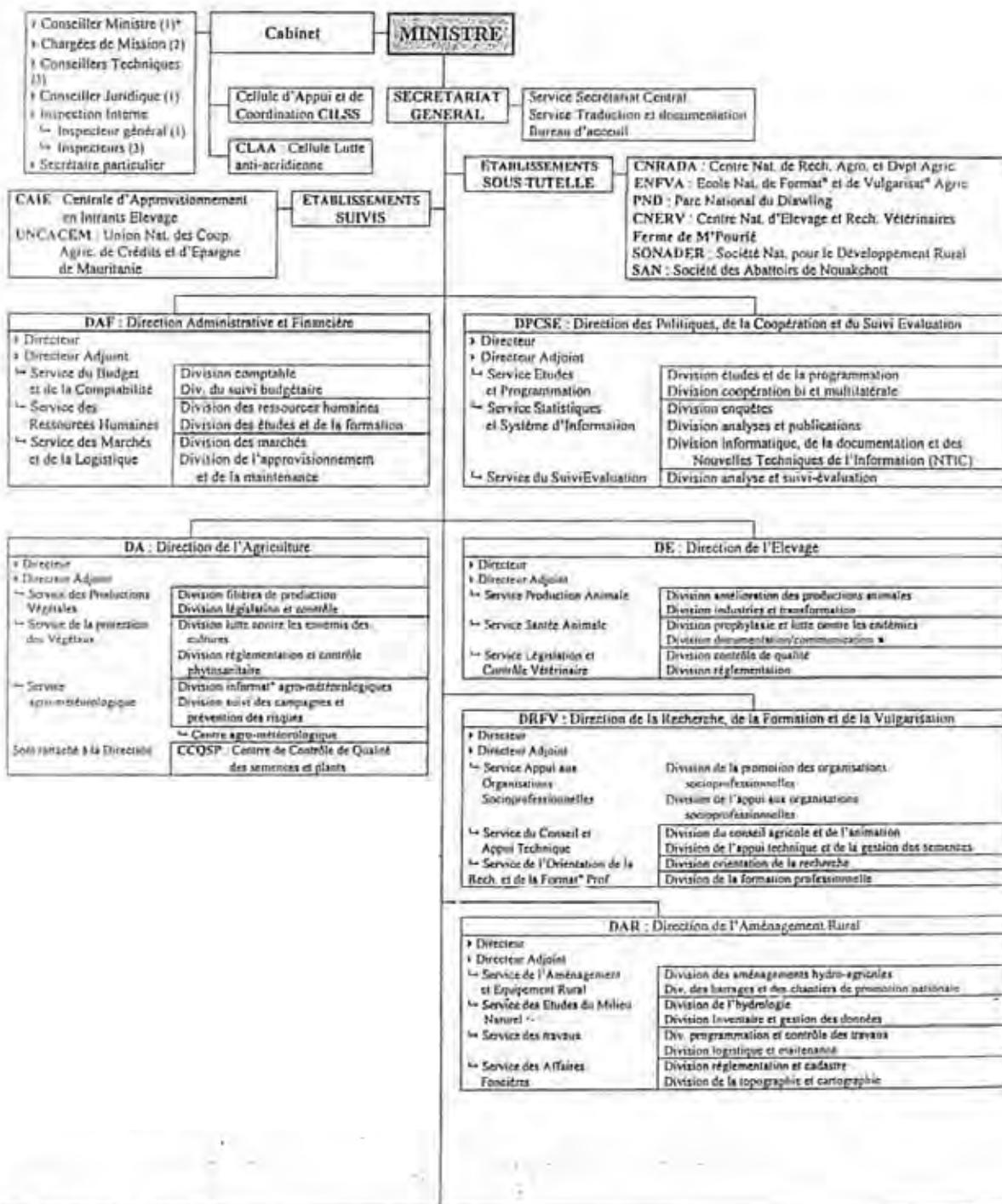
ONGs actives dans la domaine de l'agriculture dans la zone de Kaédi

カエディ周辺において農業分野で活動中の NGO

	Nom 氏名	Titre 肩書	
1	Gaye Abdourahmane	Président de l'Association de Coopération et de Recherche pour le Développement (ACORD)	開発研究協力協会代表

Autres personnalités de la Région du Gorogol その他のゴルゴル州要人

	Nom 氏名	Titre 肩書	
1	Mohamed ould El Medani	Wali du Gorgol	ゴルゴル州知事
2	Ahmed ould Sidi El Mokhtar	Hakem de M'Bout	ムブト県知事
3	Yenge ould El Moustapha	Chef Brigade Gendarmerie de M'bout	ムブト憲兵隊長



DELEGATIONS REGIONALES

- Délégués Régionaux
- Services régionaux
- Se reporter à l'Arrêté ministériel

* Conseiller du Ministre, mis à disposition par les autres partenaires

	資料の名称	形態	版型	ページ数	オリジナル・ コピーの別	言語	収集先名称又は発行機関
1	Evaluation of ACOPAM	PDF	A4	87	コピー	1	ACOPAM
2	I/200.000 Gorgol Basin	Tiffファイル	A4	-	コピー	1	Cartography Department
3	Protocole pour KAEDI	PDF	A4	48	コピー	1	CEREDIAR.ORG 2007
4	CNI, Mauritanie 2001	PDF	A4	163	コピー	1	CNI
5	Rural Development Horizon 2010, 1999	Wordファイル	A4	-	コピー	1	CNRADA
6	2008-2010 Public Investment Program (PIP Rechercheur EN)	Excelファイル	A4	-	コピー	1	Economy and Finance Ministry
7	Presentation note of the Advisory Group for Mauritania, 2008-2010	Wordファイル	A4	12	コピー	1	Economy and Finance Ministry
8	FAO/WFP Crop and Food Supply Assessment	PDF	A4	14	コピー	1	FAO
9	The Senegal River basin	PDF	A4	-	コピー	1	FAO
10	Serie Statistiques Agricole 1983-1998	Excelファイル	A4	3	コピー	1	MDR
11	Serie Statistiques Agricole 1999-2007	Excelファイル	A4	3	コピー	1	MDR
12	Itineraire Technique pour la production, la recolte et la livraison du paddy dans la region du Traza	コピー	A4	13	コピー		MDR
13	Loi N° 67.171 du 18 Juillet 1967 Portant	コピー		28	コピー		MDR
14	Recueil des lois et decret sur la cooperation, les G.I.E. et les associations	コピー		28	コピー		MDR
15	Decret 2004-094 EIA-law	PDF	A4	22	コピー	1	Ministere d'Environnement
16	Decret N°2007 105 Etude d impact sur l'environnement	PDF	A4	14	コピー	1	Ministere d'Environnement
17	Loi N° 2000-045	PDF	A4	17	コピー	1	Ministere d'Environnement
18	Rapport sur la mise en oeuvre du cadre strategique de lutte contre la pauvrete Mauritanie	PDF	A4	44	コピー	1	Ministere des Affaires Economiques et du Developpement
19	Gorgol Region Profile	Wordファイル	A4	-	コピー	1	Ministre d' Interior
20	Bulletin Semestriel d'Information sur la Securite Alimentaire en Mauritanie	PDF	A4	29	コピー	1	National Statistic Office
21	Agregats de la Comptabilite Nationale et Indicateurs Economiques 1995-2005	製本	A4	-	オリジナル	1	National Statistic Office
22	Annuaire Statistique 1995-2005	製本	A4	69	オリジナル	1	National Statistic Office
23	Bulletin Trimestriel de Conjoncture, Aout 2008	製本	A4	-	オリジナル	1	National Statistic Office
24	Bulletin Trimestriel de Conjoncture, Juin 2007	製本	A4	-	オリジナル	1	National Statistic Office
25	Note Trimestrielle de Conjoncture, Aout 2008	製本	A4	-	オリジナル	1	National Statistic Office
26	Carte, Peuplement et cultures de saison seche dans la vallee du senegal	コピー	A4	1	オリジナル	1	National Statistic Office
27	Program of Agricultural Development	PDF	A4	8	コピー	1	ORSTOM
28	Aqueduct, 1983	図面	A0	1	コピー	1	PDAM
29	Box cultvert, Typical	図面	A1	1	コピー	1	SCET-RIM
30	Cross Section of AD, 2007	図面	A0	1	コピー	1	SCET-RIM
31	Cross Section of AG, 2007	図面	A0	1	コピー	1	SCET-RIM
32	Cross Section of Most Secondary Drainage, 2007	図面	A0	-	コピー	1	SCET-RIM
33	Cross Section of Most Secondary Irrigation Canal, 2007	図面	A0	-	コピー	1	SCET-RIM
34	Cross Section of P1, 2007	図面	A0	1	コピー	1	SCET-RIM
35	Cross Section of P2, 2007	図面	A0	1	コピー	1	SCET-RIM
36	Intake of S10, 1983	図面	A0	1	コピー	1	SCET-RIM
37	Intake of S19, 1983	図面	A0	1	コピー	1	SCET-RIM
38	Intake of S20, 1983	図面	A0	1	コピー	1	SCET-RIM
39	Intake of S22, 1983	図面	A0	1	コピー	1	SCET-RIM
40	Intake of S23, 1983	図面	A0	1	コピー	1	SCET-RIM
41	Intake of S26, 1983	図面	A0	1	コピー	1	SCET-RIM
42	Intake of S3, 1983	図面	A0	1	コピー	1	SCET-RIM
43	Intake of S8, 1983	図面	A0	1	コピー	1	SCET-RIM
44	Intake of S9, 1983	図面	A0	1	コピー	1	SCET-RIM
45	Parts of Principal Drainage of DP2, 1983	図面	A0	-	コピー	1	SCET-RIM
46	Parts of Principal Drainage of DP8, 1983	図面	A0	-	コピー	1	SCET-RIM
47	Parts of Principal Drainage of DP9, 1983	図面	A0	-	コピー	1	SCET-RIM
48	Parts of Secondary Drainage of DR2, 1983	図面	A0	-	コピー	1	SCET-RIM
49	Parts of Secondary Drainage of DR25, 1983	図面	A0	-	コピー	1	SCET-RIM
50	Parts of Secondary Drainage of DR8, 1983	図面	A0	-	コピー	1	SCET-RIM
51	Parts of Secondary Drainage of DR9, 1983	図面	A0	-	コピー	1	SCET-RIM
52	Plan and Profile of Primary Canal P1, 1982	図面	A0	4	コピー	1	SCET-RIM
53	Plan and Profile of Primary Canal P2, 1982	図面	A0	3	コピー	1	SCET-RIM
54	Plan and Profile of Principal Canal AD, 1982	図面	A0	1	コピー	1	SCET-RIM
55	Plan and Profile of Principal Canal AG, 1982	図面	A0	3	コピー	1	SCET-RIM
56	Plan and Profile of Principal Canal OA, 1981	図面	A0	3	コピー	1	SCET-RIM

号番	資料の名称	形態	版型	ページ数	オリジナル・コピーの別	枚数	収集先名称又は発行機関
57	Plan and Profile of Secondary Canal S1, 1982	図面	A0	2	コピー	1	SCKET-RIM
58	Plan and Profile of Secondary Canal S16, 1981	図面	A0	1	コピー	1	SCKET-RIM
59	Plan and Profile of Secondary Canal S17, 1982	図面	A0	1	コピー	1	SCKET-RIM
60	Plan and Profile of Secondary Canal S18, 1982	図面	A0	1	コピー	1	SCKET-RIM
61	Plan and Profile of Secondary Canal S19, 1982	図面	A0	1	コピー	1	SCKET-RIM
62	Plan and Profile of Secondary Canal S20, 1982	図面	A0	1	コピー	1	SCKET-RIM
63	Plan and Profile of Secondary Canal S21, 1982	図面	A0	2	コピー	1	SCKET-RIM
64	Plan and Profile of Secondary Canal S22, 1982	図面	A0	1	コピー	1	SCKET-RIM
65	Plan and Profile of Secondary Canal S23, 1982	図面	A0	2	コピー	1	SCKET-RIM
66	Plan and Profile of Secondary Canal S24, 1982	図面	A0	2	コピー	1	SCKET-RIM
67	Plan and Profile of Secondary Canal S25, 1982	図面	A0	1	コピー	1	SCKET-RIM
68	Plan and Profile of Secondary Canal S26, 1982	図面	A0	1	コピー	1	SCKET-RIM
69	Plan and Profile of Secondary Canal S3, 1982	図面	A0	1	コピー	1	SCKET-RIM
70	Plan and Profile of Secondary Canal S4, 1982	図面	A0	2	コピー	1	SCKET-RIM
71	Plan and Profile of Secondary Canal S5, 1982	図面	A0	1	コピー	1	SCKET-RIM
72	Plan and Profile of Secondary Canal S6, 1982	図面	A0	1	コピー	1	SCKET-RIM
73	Plan and Profile of Secondary Canal S8, 1982	図面	A0	1	コピー	1	SCKET-RIM
74	Siphon SF7, 1983	図面	A0	1	コピー	1	SCKET-RIM
75	Siphon SF8, 1983	図面	A0	1	コピー	1	SCKET-RIM
76	Siphon SF9, 1983	図面	A0	1	コピー	1	SCKET-RIM
77	Tertiary, Typical	図面	A1	1	コピー	1	SCKET-RIM
78	Situation Socio-sanitaire de la Wilaya du Gorgol 2008	PDF	A4	152	コピー	1	SONADER
79	Strategie Agroalimentaire de la Mauritanie	Wordファイル	A4	75	コピー	1	SONADER
80	Strategie de Développement du Secteur Rural Horizon 2015	Wordファイル	A4	108	コピー	1	SONADER
81	Carte altitudes culturelles SEDAGRI 1/50,000	コピー	A4	1	コピー	1	SONADER
82	Carte morph et pedo SEDAGRI 1/50,000	コピー	A4	1	コピー	1	SONADER
83	Etude d'application des schémas directeurs de la vallée et du delta rive droite du fleuve senegal	コピー	A4	4	コピー	1	SONADER
84	Etude des schémas directeurs de la gestion de l'eau et d'aménagement de la vallée du Gorgol	コピー	A4	6	コピー	1	SONADER
85	Etude pour la restauration du réseau hydraulique du bassin du fleuve senegal	コピー	A4	11	コピー	1	SONADER
86	Hauteurs de pluie relevée par la Direction de Foum Gletia	コピー	A4	1	コピー	1	SONADER
87	Rapport Annuel 01.07.1983 au 31.12.1984	コピー	A4	6	コピー	1	SONADER
88	Rapport d'Enquete Nutritionnelle, Gorgol	コピー		19	コピー	1	SONADER
89	Resultats campagnes agricoles des grands perimetres, Foum Gletia	コピー		1	コピー	1	SONADER
90	Resultats campagnes agricoles des grands perimetres, PPG I & PPG II	コピー		1	コピー	1	SONADER
91	USAID South Dakota 1982	コピー	A4	1	コピー	1	SONADER
92	Aménagement Hydro-Agricole du Gorgol Noir Lot D	製本	A4	-	コピー	1	SONADER
93	Aménagement Hydro-Agricole du Gorgol Noir, Decembre 1985	製本	A4	-	コピー	1	SONADER
94	Aménagement Hydro-Agricole du Gorgol Noir, Dossier d'appel d'offres piece 3, Memoire Descriptif	製本	A4	-	コピー	1	SONADER
95	Aménagement Hydro-Agricole du Gorgol Noir, Dossier d'appel d'offres Volume 2, Memoire Descriptif	製本	A4	-	コピー	1	SONADER
96	Aménagement Hydro-Agricole du Gorgol Noir, Dossier d'appel d'offres Volume 2, Memoire Descriptif Lot B	製本	A4	-	コピー	1	SONADER
97	Aménagement Hydro-Agricole du Gorgol Noir, Dossier d'appel d'offres Volume 3, Cahier de Prescriptions Spéciales	製本	A4	-	コピー	1	SONADER
98	Aménagement Hydro-Agricole du Gorgol Noir, Dossier d'appel d'offres Volume 4, Cahier de Prescriptions Techniques	製本	A4	-	コピー	1	SONADER
99	Aménagement Hydro-Agricole du Gorgol Noir, Dossier d'appel d'offres Volume 5, Mode d'Evaluation des Travaux	製本	A4	-	コピー	1	SONADER
100	Aménagement Hydro-Agricole du Gorgol Noir, Dossier d'appel d'offres Volume 6, Avant-Metre	製本	A4	-	コピー	1	SONADER
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