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Project Design Matrix (PDM)

ANNEX 1

Project Title: The Sahel Oasis Project

Duration: 3 years

Target Area: Tahoua and Maradi regions

Ver.1

Date: January 29, 2010

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption
<p>Overall Goal Sustainable rural development carried out by farmers, centering on the utilization of water reservoirs through farmer to farmer transmission with the support of government services, will be promoted in Niger.</p>	<ul style="list-style-type: none"> - The number of reservoirs sites to which the concept of the Action Plan is applied - Improvement of the incomes and livelihoods of reservoirs users in the above sites 	<ul style="list-style-type: none"> - National Statistics 	
<p>Project Purpose Capacity of Nigerien side for sustainable rural development by effective utilization of reservoirs is reinforced through joint implementation of the Action Plan in Tahoua and Maradi regions.</p>	<ul style="list-style-type: none"> - The number of reservoirs sites where the users' incomes and livelihoods are improved in Tahoua and Maradi regions 	<ul style="list-style-type: none"> - Project report 	<p>Activities for implementation of Action Plan in the site of other regions are executed.</p>
<p>Outputs 1. Situation of water utilization, direction of adequate farming and activities to be implemented in the targeted 20 sites are clarified.</p>	<ul style="list-style-type: none"> - Updated inventory study result 	<ul style="list-style-type: none"> - Project report 	<p>The counterparts remain at the same positions.</p>
<p>2. Capacities of the users for effective utilization of reservoirs are reinforced in the Project sites.</p>	<ul style="list-style-type: none"> - The number of established reservoir users cooperatives - The number of trained extension workers - The number of trained reservoirs users - The revised guidelines and manuals 	<ul style="list-style-type: none"> - Project report - Final evaluation study 	
<p>3. Incomes and livelihoods of reservoir users are improved in the Project sites.</p>	<ul style="list-style-type: none"> - Increase of incomes of reservoir users in the Project sites - Improvement of livelihoods of reservoir users in the Project sites - The revised guidelines and manuals 	<ul style="list-style-type: none"> - Project report - Final evaluation study 	

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Activities	Inputs	
<p>1-1. To update the result of inventory study for the targeted 20 sites in Maradi and Tahoua region.</p> <p>1-2. To designate sites to be targeted and activities to be implemented in each sites based on the result of activity 1-1.</p> <p>1-3. To conduct an environment and social impact survey</p> <p>2-1. To equip extension workers with motorcycles</p> <p>2-2. To reinforce capacities of extension workers in organizing reservoir users</p> <p>2-3. To install a system of distribution and capitalization of information centering on MDA and each commune.</p> <p>2-4. To install cooperatives of the reservoir users</p> <p>2-5. To train the cooperatives on establishment, execution, follow-up and evaluation of reservoir utilization plan</p> <p>2-6. To train the cooperatives on the maintenance of reservoirs</p> <p>2-7. To install BLPC for the management of natural resources</p> <p>2-8. To train the member of BLPC on the manual of rural code</p> <p>2-9. To train the cooperatives on the protection and conservation of arable lands</p> <p>2-10. To update the guidelines and manuals for organization and capacity development of reservoir users</p> <p>2-11. To conduct public relation activities to persons concerned on the result of the activities for organization and capacity development of reservoir users</p>	<p>Japan</p> <p>1. Experts</p> <ul style="list-style-type: none"> -Chief Advisor / Rural development -Organization of reservoir users -Processing, reservation and commercialization of agricultural products <p>The limited expertise may be mobilized in case of necessity notified by both parties in the following domains.</p> <ul style="list-style-type: none"> -Irrigation -Extension of agricultural technique -Livestock farming -Public health and hygiene <p>2. Equipments</p> <p>3. Operational cost</p>	<ul style="list-style-type: none"> - Targeted reservoirs remain usable. - No unexpected natural disaster occurs. - The extension workers remain in the Project sites.
<p>3-1. To intensify and diversify dry season cultivation</p> <p>3-2. To install agricultural inputs shops</p> <p>3-3. To support management of the sales of agricultural products</p> <p>3-4. To introduce rice cultivation</p> <p>3-5. To stock with fish in the reservoirs</p> <p>3-6. To introduce fruit growing</p> <p>3-7. To introduce new varieties for rain fed cultivation</p> <p>3-8. To support processing and conservation of the agricultural products</p> <p>3-9. To support micro finance of tontine type</p> <p>3-10. To train farmers on animal health and feeding</p> <p>3-11. To train the cooperatives on the improvement of knowledge in health and hygiene</p> <p>3-12. To introduce improved earth cooking stoves</p> <p>3-13. To implement small scale rehabilitation of reservoirs and installation of simplified water intake as necessary for activities implementation</p> <p>3-14. To update the guidelines and manuals for income and livelihood improvement</p> <p>3-15. To conduct public relation activities to persons concerned on the result of the activities for income and livelihood improvement</p> <p>3-16. To implement the final environmental and social evaluation</p>	<p>Niger</p> <p>1. Counterparts (central and regional level)</p> <p>2. Project office</p>	<p>Precondition</p> <p>The upper plans on reservoir utilization will be maintained.</p>

Note : Activities from 3-1 to 3-13 will be selected in accordance of the current situation of each site.

BLPC: Basic Land Property Commission

DRDA: Regional Direction of Agricultural Development

DDDA: Departmental Direction of Agricultural Development

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PO (Plan of Operation)

Project Title: The Sahel Oasis Project
 Duration: 3 years
 Project Area: Tahoua and Maradi Regions

Ver. 1

Date: 29 January 2010

	Year 1			Year 2			Year 3		
Output 1. Situation of water utilization, direction of adequate farming and activities to be implemented in the targeted 20 sites are clarified.									
1-1. To update the result of inventory study for the targeted 20 sites in Maradi and Tahoua region.	■	■							
1-2. To designate sites to be targeted and activities to be implemented in each sites based on the result of activity 1-1.		■	■						
1-3. To conduct an environment and social impact survey			■						
Output 2. Capacities of the users for effective utilization of reservoirs are reinforced in the Project sites.									
2-1. To equip the extension workers with motorcycles	■	■							
2-2. To reinforce capacities of extension workers in organizing reservoir users		■	■						
2-3. To install a system of distribution and capitalization of information centering on MDA and each commune		■	■	■	■	■	■	■	■
2-4. To install cooperatives of the reservoir users			■	■					
2-5. To train the cooperatives on establishment, execution, follow-up and evaluation of reservoir utilization plan				■	■				
2-6. To train the cooperatives on the maintenance of reservoirs				■	■				
2-7. To install BLPC for the management of natural resources					■	■			
2-8. To train the member of BLPC on the manual of rural code						■	■		
2-9. To train the cooperatives on the protection and conservation of arable lands						■	■		
2-10. To update the guidelines and manuals for organization and capacity development of reservoir users								■	■
2-11. To conduct public relation activities to persons concerned on the result of the activities for organization and capacity development of reservoir users									■

Frais de Déplacement du Projet des Oasis Sahéliennes Pour les Homologues et Villageois Nigériens

Tableau 1 : Frais de déplacement (Perdiem, Logement, Transport) pour les homologues nigériens au niveau central

	Perdiem san nuitée, plus de 8 heures de travail ¹ (FCFA)	Perdiem avec nuitée ² (FCFA)	Logement ³ (FCFA)		Transport ⁴ (FCFA)
			villes		
Niveau Central	Hors Niamey		Dosso et Tillaberi ne nécessite pas un logement		
Directeurs	10.000	25.000	Prise en charge du projet		Distance parcourue, sauf seulement dans Niamey
Cadres Supérieurs	7.000	20.000			
Cadres moyens (B et C)	5.000	10.000			
Cadres D et Auxiliaires	3.000	7.000			

Tableau 2 : Frais de déplacement (Perdiem, Logement, Transport) pour les homologues et villageois nigériens dans les régions concernées⁵

	Perdiem san nuitée, plus de 8 heures de travail ⁶ (FCFA)	Perdiem avec nuitée ⁷ (FCFA)	Logement ⁸ (FCFA)		Transport (FCFA)
			villes	villages	
Niveau Régional					
Cadres Supérieurs	5.000	10.000	10,000	5.000	Distance parcourue, en cas de déplacement hors du département
chauffeurs	2.500	5.000	5,000	2.000	
Les autres collaborateurs locaux					
Agents vulgarisateurs et autres	2.500		5.000	2.000	Distance parcourue, hors du lieu de résidence
Villageois	-	2.000		-	

¹ Pour le classement d'activités pour bénéficier les perdiems, voir le Tableau 4.

² Déplacement seulement ne donne pas le droit de perdiem

³ Au cas ou le travail ne commence pas avant 9h00 ou ne continue pas après 16h00, que les déplacements plus de 120km ne bénéficient le logement la veille ou ce soir-la.

⁴ Au cas ou le projet n'arrangeront pas le transport.

⁵ En cas de déplacement hors de sa région, le critère du niveau central du Tableau1 sera appliqué.

⁶ Pour le classement d'activités pour bénéficier les perdiems, voir le Tableau 4.

⁷ Déplacement seulement ne donne pas le droit de perdiem

⁸ Dans le cas ou la note d'hôtel dépasserait la somme prévue par le règlement, la note sera remboursée intégralement au vu d'un reçu de l'hôtel.

Bureau du Projet			Non résidence		
Staff du bureau	-	5.000	Plafond de 20.000 avec reçu	5.000	Distance parcouru
Chauffeur	-	2.500	Niamey : 6.500 Autres villes : 4.000	2.000	

Tableau 3 : Calcul de frais de transport

Moyen de transport	Calcul
Véhicule	100FCFA/km×distance(km)
Moto	50FCFA/km×distance(km)
Transport public	À prix coûtant
Autres	50FCFA/km×distance(km).

*Les agents vulgarisateurs fourniront une preuve des travaux d'entretien après sur les motos.

Tableau 4. Classement d'activités pour bénéficier les perdiems

classement		exemples
Activités objet de perdiem	1. Activités nécessaires pour déterminer et discuter de l'avancement du projet	<ul style="list-style-type: none"> Participation au Comité mixte (1 fois par an) Participation aux Réunions régionales de coordination (1 fois par an)
	2. Activités spécifiquement menés par le projet pour déterminer l'impact et le résultat du projet	<ul style="list-style-type: none"> Mise en œuvre d'étude impact environnementale Mise en œuvre d'autres études sur les impacts
	3. En délivrant temporairement des services auprès du projet	<ul style="list-style-type: none"> Formation <u>comme un formateur</u> dans les sessions de stage pour des agents vulgarisateurs et des villageois*
	4. Autres activités spécialement menées ou dérivées par le projet pour accélérer l'avancement du projet	<ul style="list-style-type: none"> Participation à la agro-pasto-sylvo festival (1 fois par an) Participation aux visites des sites du projet pour mieux faire connaître le projet
Activités sans objet de perdiem (pas le cas ou les activités obligent de passer la nuit hors de sa résidence)	1. Activités propres de son poste, activités qui doivent naturellement continuer après la fin du projet	<ul style="list-style-type: none"> Suivi de villages par l'agent vulgarisateur Sensibilisation des villageois par l'agent vulgarisateur
	2. Activités qui bénéficient directement, qui développent la capacité des participants	<ul style="list-style-type: none"> Participation aux sessions de stage pour les agents vulgarisateurs et les villageois Participation aux Réunions régionales de suivi (tous les 2 mois)

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RECORD OF DISCUSSIONS BETWEEN JAPANESE
IMPLEMENTATION STUDY TEAM AND
AUTHORITIES CONCERNED OF THE GOVERNMENT OF
THE REPUBLIC OF NIGER
ON JAPANESE TECHNICAL COOPERATION
FOR
THE SAHEL OASIS PROJECT

The Japan International Cooperation Agency (hereinafter referred to as "JICA") through its Chief Representative to Niger exchanged views and had a series of discussions with the Nigerien authority concerned with respect to desirable measures to be taken by JICA and Nigerien Government for the successful implementation of the above-mentioned Project.

As a result of the discussions, the Team and the Nigerien authorities concerned agreed to recommend to their respective Governments the matters referred to in the document attached hereto.

Niamey, _____

Mr. Akira NISHIMOTO
Chief Representative
Niger Office
Japan International Cooperation Agency

Mr. Abdou CHAIBOU
Secretary General
Ministry of Agricultural Development

Mr.
Secretary General
Ministry of Economy and Finance

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THE ATTACHED DOCUMENT

I. COOPERATION BETWEEN JICA and Nigerien Government

1. The Government of Niger will implement the Sahel Oasis Project (hereinafter referred to as "the Project") in cooperation with JICA.
2. The Project will be implemented in accordance with the Master Plan which is given in Annex I.

II. MEASURES TO BE TAKEN BY JICA

In accordance with the laws and regulations in force in Japan, JICA will take, at its own expense, the following measures according to the normal procedures under the Technical Cooperation Scheme of Japan.

1. DISPATCH OF JAPANESE EXPERTS
JICA will provide the services of the Japanese experts as listed in Annex II.
2. PROVISION OF MACHINERY AND EQUIPMENT
JICA 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 Niger upon being delivered C.I.F. (cost, insurance and freight) to the Nigerien authorities concerned at the ports and/or airports of disembarkation.
3. TRAINING OF NIGERIEN PERSONNEL IN JAPAN
JICA will receive the Nigerien personnel connected with the Project for technical training in Japan.

III. MEASURES TO BE TAKEN BY THE GOVERNMENT OF NIGER

1. The Government of Niger 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 full and active involvement in the Project by all related authorities, beneficiary groups and institutions.
2. The Government of Niger will ensure that the technologies and knowledge acquired by the Nigerien nationals as a result of Japanese technical cooperation will contribute to the economic and social development of Niger
3. The Government of Niger will grant in Nigerien 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

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organizations performing similar missions to the Japanese experts referred to in II-1 above and their families.

4. The Government of Niger 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-1.
5. The Government of Niger will take necessary measures to ensure that the knowledge and experience acquired by the Nigerien personnel from technical training in Japan will be utilized effectively in the implementation of the Project.
6. In accordance with the laws and regulations in force in Niger, the Government of Niger will take necessary measures to provide at its own expense:
 - (1) Services of the Nigerien counterpart personnel and administrative personnel as listed in Annex V;
 - (2) Land, buildings and facilities as listed in Annex VI;
7. In accordance with the laws and regulations in force in Niger, the Government of Niger will take necessary measures to meet:
 - (1) Customs duties, internal taxes and any other charges, imposed in Niger on the Equipment referred to in II-2 above; and
 - (2) Running expenses necessary for the implementation of the Project as listed in Annex VII.

IV. ADMINISTRATION OF THE PROJECT

1. Director General of Agriculture, Ministry of Agricultural Development (MDA), as the Project Director, will bear overall responsibility for the administration and implementation of the Project.
2. _____ as the Project Manager, will be responsible for the managerial and technical matters of the Project.
3. The Japanese Team Leader will provide necessary recommendations and advice to the Project Director and the Project Manager on any matters pertaining to the implementation of the Project.
4. The Japanese experts will give necessary technical guidance and advice to the Nigerien counterpart personnel on technical matters pertaining to the implementation of the Project.

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5. For the effective and successful implementation of technical cooperation for the Project, a Piloting Committee will be established whose functions and composition are described in Annex VIII.

V. JOINT EVALUATION

Evaluation of the Project will be conducted jointly by JICA and the Nigerien authorities concerned, at the middle and during the last six months of the cooperation term in order to examine the level of achievement.

VI. CLAIMS AGAINST JAPANESE EXPERTS

The Government of Niger undertakes to bear claims, if any arises, against the Japanese experts engaged in technical cooperation for the Project resulting from, occurring in the course of, or otherwise connected with the discharge of their official functions in Niger except for those arising from the willful misconduct or gross negligence of the Japanese experts.

VII. MUTUAL CONSULTATION

There will be mutual consultation between JICA and the Government of Niger on any major issues arising from, or in connection with this Attached Document.

VIII. MESURES TO PROMOTE UNDERSTANDING OF AND SUPPORT FOR THE PROJECT

For the purpose of promoting support for the Project among the people of Niger, the Government of Niger will take appropriate measures to make the Project widely known to the people of Niger.

IX. TERM OF COOPERATION

The duration of the technical cooperation for the Project under this Attached Document will be three (3) years from ____ to ____.

ANNEX I	MASTER PLAN
ANNEX II	LIST OF JAPANESE EXPERTS
ANNEX III	LIST OF MACHINERY AND EQUIPMENT
ANNEX IV	PRIVILEGES, EXEMPTIONS AND BENEFITS FOR JAPANESE EXPERTS
ANNEX V	LIST OF NIGERIEN COUNTERPART AND ADMINISTRATIVE PERSONNEL
ANNEX VI	LIST OF LAND, BUILDINGS AND FACILITIES
ANNEX VII	LIST OF RUNNING EXPENSES
ANNEX VIII	PILOTING COMMITTEE

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MASTER PLAN OF THE PROJECT

1. Overall goal

Sustainable rural development carried out by farmers, centering on the utilization of water reservoirs through farmer to farmer transmission with the support of government services, will be promoted in Niger.

2. Project purpose

Capacity of Nigerien side for sustainable rural development by effective utilization of reservoirs is reinforced through joint implementation of the Action Plan in Tahoua and Maradi regions.

3. Outputs

- (1) Situation of water utilization, direction of adequate farming and activities to be implemented in the targeted 20 sites are clarified.
- (2) Capacities of the users for effective utilization of reservoirs are reinforced in the Project sites.
- (3) Incomes and livelihoods of reservoir users are improved in the Project sites.

4. Activities

Output (1)

- 1-1. To update the result of inventory study for the targeted 20 sites in Maradi and Tahoua region.
- 1-2. To designate sites to be targeted and activities to be implemented in each sites based on the result of activity 1-1.
- 1-3. To conduct an environment and social impact survey

Output (2)

- 2-1. To equip extension workers with motorcycles
- 2-2. To reinforce capacities of extension workers in organizing reservoir users
- 2-3. To install a system of distribution and capitalization of information cantering on MDA and each commune
- 2-4. To install cooperatives of the reservoir users
- 2-5. To train the cooperatives on establishment, execution, follow-up and evaluation of reservoir utilization plan
- 2-6. To train the cooperatives on the maintenance of reservoirs
- 2-7. To install BLPC for the management of natural resources
- 2-8. To train the member of BLPC on the manual of rural code

- 2-9. To train the cooperatives on the protection and conservation of arable lands
- 2-10. To update the guidelines and manuals for organization and capacity development of reservoir users
- 2-11. To conduct public relation activities to persons concerned on the result of the activities for organization and capacity development of reservoir users

Output (3)

- 3-1. To intensify and diversify dry season cultivation
- 3-2. To install agricultural inputs shops
- 3-3. To support management of the sales of agricultural products
- 3-4. To introduce rice cultivation
- 3-5. To stock with fish in the reservoirs
- 3-6. To introduce fruit growing
- 3-7. To introduce new varieties for rain fed cultivation
- 3-8. To support processing and conservation of the agricultural products
- 3-9. To support micro finance of tontine type
- 3-10. To train farmers on animal health and feeding
- 3-11. To train the cooperatives on the improvement of knowledge in health and hygiene
- 3-12. To introduce improved earth cooking stoves
- 3-13. To implement small scale rehabilitation of reservoirs and installation of simplified water intake as necessary for activities implementation
- 3-14. To update the guidelines and manuals for income and livelihood improvement
- 3-15. To conduct public relation activities to persons concerned on the result of the activities for income and livelihood improvement
- 3-16. To implement the final environmental and social evaluation

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LIST OF JAPANESE EXPERTS

- (1) Chief Advisor / Rural development
- (2) Organization of reservoir users
- (3) Processing, reservation and commercialization of agricultural products

Regarding the sectors of irrigation, extension of agricultural technique, livestock farming and public health and hygiene, the limited expertise may be mobilized in case of necessity notified by both parties.

Note: The Chief advisor of the Project may serve in other capacities as technical experts.

Note: Access of the experts to certain sites of the Project may be limited in accordance with the security rule of JICA.

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LIST OF EQUIPMENT

The machinery and the equipment necessary for the implementation of the Project will be provided by the Japanese side within the limits of the budget allocated to the technical cooperation. Main items of machinery and equipment to be provided are as follows:

- Equipment for the strengthening of extension activities
- Other necessary equipment

Note: Specifications and quantity of the above-mentioned equipment will be determined through mutual consultation between JICA and the Government of Niger.



PRIVILEGES, EXEMPTIONS AND ADVANTAGES FOR JAPANESE EXPERTS

In accordance with the laws and regulations in force in Niger, the Government of Niger will grant the following privileges, exemptions and advantages:

1. Exemption from income tax and other charges of any kind imposed on or in connection with the living allowances remitted from abroad for the Japanese experts.
2. Exemption from import and export duties and any other charges imposed on personal and household effects of the Japanese experts and their families.
3. Usage of all the available means to provide medical and other necessary assistance to the Japanese experts and their families.
4. Issue of entry and exit visas for the Japanese experts and their families free of charge upon application
5. Issue of stay permit of the Japanese experts and their families to secure the cooperation of all government organizations necessary for the performance of the duties of the experts.
6. Exemption from customs duties for import and export of machinery and equipment by the Japanese experts in connection with the Project activities.

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LIST OF NIGERIEN COUNTERPARTS AND ADMINISTRATIVE PERSONNEL

1. Project Director

Director General of Agriculture, Ministry of Agricultural Development (MDA)

2. Project Office Personnel

(1) Project Manager

(2) Personnel responsible for activities in Tahoua region

(3) Personnel responsible for activities in Maradi region

3. Personnel for cooperation

(1) Directors of MDA

(2) Relevant Regional Directors of MDA

(3) Agricultural Officers concerned

- Relevant Regional extension officers

(4) Other Supportive personnel mutually agreed upon as necessary.

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LIST OF BUILDINGS AND FACILITIES

1. Building (office and storage) and furniture necessary for the implementation of the Project
2. Necessary water and electricity, telephone line for the implementation of the Project
3. Other facilities mutually agreed upon as necessary

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LIST OF RUNNING EXPENSES

1. Nigerien Side

- Maintenance and gasoline fee of extension workers' motorbikes
- Business trip allowance and transportation fee of Nigerien counterparts and persons concerned

2. Japanese Side

- All operational cost including the two above-mentioned items in case of difficulty of financing.

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PILOTING COMMITTEE

For good operation of the Project the piloting committee will be established and meeting will be held once a year and when the need may arise.

1. Functions

- (1) Evaluate the activities implemented within the year
- (2) Review difficulties encountered and the proposals of solutions
- (3) Review and approve the annual program of activities of the Project
- (4) Review the annual expenditure of the Project
- (5) Others

2. Chairperson: Secretary General, Ministry of Agricultural Development

3. Vice chairperson: Director General of Agriculture, Ministry of Agricultural Development

3. Secretary: Project Manager

4. Participants

(1) Nigerien side

- Secretary General , Ministry of Agricultural Development;
- Representative of central directors of the Ministry of Agricultural Development (DGA, DGGR, DEP, DAC/POR)
- Representatives of regional directors concerned of the Ministry of Agricultural Development;
- Representative of the Ministry of Environment and Desertification Control;
- Representative of the Ministry of Water Resources;
- Representative of the Ministry of Territory Planning and Community Development;
- Representative of the Ministry of Health;
- Representative of the Ministry of Education;
- Representative of the Ministry of livestock and Animal Industries;
- Representative of the Ministry of Woman Development and Child Protection;
- Representative of the Ministry of Economy and Finances;

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- Representative of the Executive Secretary of the RDS;
- Representative of the Rural Code;

(2) Japanese side:

- JICA Experts
- Representative of JICA Niger Office

Notes: An official of the Embassy of Japan in Ivory Coast may attend the meeting of the piloting Committee as an observer.

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Attendee list of the discussion

1. Nigerien Side

Ministry of Agricultural Development (MDA)

Mr. Abdou CHAIBOU, Secretary General

Mr. Mamadou Kourna ABOUBACAR, Director General, DGA (General Direction of Agriculture)

Mr. Adamou DANGUIOUA, Director, DEP (Direction of Studies and Planning)

Mr. Nouhou HAMIDOU, DEP

Mr. Yahaya SANI, DEP

Mr. Ibrahim MATA, DEP

Mr. Mahamadou MOUHA, DEP

Mr. Bachir OUSSEINI, Director General, DGGR (General Direction of Rural Engineering)

Mr. Seydou GAMAKE, DGGR

Mr. Maouna GADO, DAC/POR (Direction of Cooperative Action and Rural Organization Promotion)

2. Japanese Side

Japan International Cooperation Agency (JICA)

Ms. Mariko KOMAZAKI, Assistant Resident Representative

Ms. Mari HINISHI, Expert on Project Planning and Coordination

Mr. Mohamadou ABBA, Special Assistant for Project Planning and Coordination

Study Team

Mr. Akira NISHIMOTO, Team Leader

Mr. Fumiaki ISHIZUKA, Plan and Evaluation

Mr. Harouna Mahamou SANI, Interpreter