NO.

MINISTRY OF AGRICULTURE, RURAL DEVELOPMENT AND SEA FISHERIES
REGIONAL AGENCY FOR RURAL DEVELOPMENT OF THE TAFILALET
THE KINGDOM OF MOROCCO

THE DEVELOPMENT STUDY
ON RURAL COMMUNITY DEVELOPMENT PROJECT
IN SEMI-ARID EAST ATLAS REGIONS
WITH KHETTARA REHABILITATION
IN THE KINGDOM OF MOROCCO

# MANUAL FOR ORGANIZATION STRENGTHENING ON KHETTARA VILLAGE



NIPPON GIKEN Inc. NIPPON KOEI Co.,Ltd.

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# The Development Study on Rural Comunity Development Project in Semi-Arid East Atlas Regions with Khettara Rehabilitation

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# 1. Introduction

# 1.1 Objective of the Manual

In Tafilalet area of Morocco, about 570 khettaras, with total length of galleries reaching 2,900km, have been constructed by the local people. This water exploitation facility, khettara, has bestowed a large extent of favor on the life of local people for hundreds of years since its establishment, by providing water for people, livestock and their agriculture activities. Khettara was constructed and has been maintained by local people represented by a traditional khettara organization. However, significant decrease in water discharge has been observed on many khettaras in recent years despite large efforts made by their traditional organizations on its maintenance. Consequently, only about 190 khettaras are currently functional.

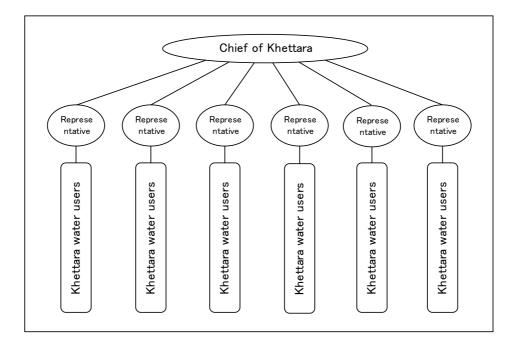
On khettara rehabilitation master plan prepared by JICA Study Team in cooperation with ORMVA/TF, rehabilitation of khettaras is identified critical for sustaining life of local people in the oasis area. The master plan also advocates necessity of strengthening farmer's organizations, represented by traditional khettara organizations and associations, for realizing the project and keeping its sustainability.

This manual is expected to be used by ORMVA/TF staffs as a guideline for implementing the master plan, specifically on organization strengthening component, with providing information, technique and training tools actually used during the JICA Study. Adequate modification and update should be made based on further information collected in the future since it is prepared based on the available information at present.

# 2. Present Situation of Farmer's Organization in Khettara Village (Ksar)

# 2.1 Traditional Khettara Organization

Following diagram shows a typical composition of traditional khettara organization.



Traditional khettara organization is usually composed of small water users groups on each day of water cycle. In case a khettara with 12 days water cycle, 12 small water users groups are formulated. Water rights on each day are distributed among members of these small khettara water users groups. Each water users group selects a representative of their own group, and the representatives select a Chief of khettara. Each small water users groups usually consist with 10 to 20 members. Hence, whole traditional khettara organization has about 80 to 300 members since typical days of water cycle is from 8 to 15.

Traditional khettara organization carries out khettara rehabilitation and maintenance works with dividing the required labor and cost in accordance with volume of water right on each members. However, these traditional khettara organizations have not obtained legal status since they are voluntary organized by local people and managed by their own customary law.

## 2.2 Associations

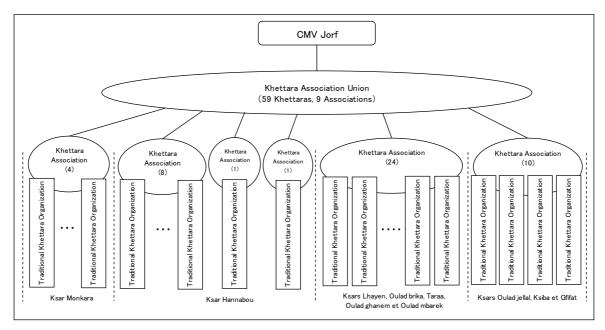
Many associations have been established in recent years in rural areas where khettaras are located. Association is a voluntarily established community organization, in comply with an Association Law of the country. It has obtained legal registration and carried out activities based on their own set objectives, i.e. infrastructure development, social development, sports and culture activities.

Table 2.2.1 Number of association active in rural development field in Tafilate area (as of 2003)

Cercle	No. of registerd association
Goulmima, Tinejdad, Assoul, Amellago	50
Errachidia, Boudenib	41
Rich, Imilchil	25
Erfoud, Rissani, Taouz, Alnif	41
Beni-Tadjit, Bouanane, Ain Chouater	34
<u>Total</u>	<u>141</u>

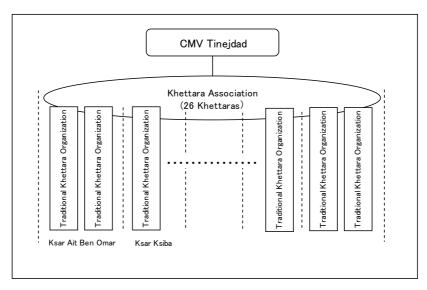
Source: ORMVA/TF

ORMVA/TF has been promoting establishment of associations specialized on khettara rehabilitation and maintenance works since 1999. Several associations have been established in Jorf and Tinejdad areas owing to support by ORMVA/TF. For identifying difference in the purpose and activity, ORMVA/TF calls this kind of association as "Khettara Association" even though its legal status is same as other associations for rural development. Following diagrams shows organizational structure of Khettara Associations in Jorf and Tinejdad areas.



Note: Numbers in brakets indicate numbers of traditional organizations belong to the association.

Figure 2.2.1 Relationships between Khettara Associations and Traditional Khettara Organizations (Jorf Area)



Note: Numbers in brakets indicate numbers of traditional organizations belong to the association.

Figure 2.2.2 Relationships between Khettara Association and Traditional Khettara Organizations (Tinejdad Area)

In case of Jorf and Tinejdad areas, an association is formed with only chiefs of khettara or some of other representatives from traditional organizations, but not with all khettara users. Also, there is a union of Khettara Associations in Jorf area which supposed to promote information exchange and coordination among member associations.

# 2.3 Organization Capacity Assessment

# 2.3.1 SWOT Analysis

Strengthening, Weakness, Opportunity and Threat (SWOT) of traditional khettara organization and association can be summarized as follows.

Table 2.3.1 SWOT Analysis on Traditional Khettara Organization

		Opportunity	Threat
Strengthening	Having rich knowledge and experience on khettara maintenance and rehabilitation works.	future.	
	Acquired trust and leadership from local people through implementation of khettara maintenance and rehabilitation works.		Newly established organization such as association has difficulty to acquire trust from local people.

	Does not have legal status.	Can become a member of organization having a legal status such as association.	Difficult to acquire assistance from outside organizations.
Weakness	<ul> <li>Organization is governed by customary law in each <i>Ksar</i>:</li> <li>Management is different from one to another and not clearly understood by outside organizations.</li> </ul>	Traditional management method can be modified to contemporary management method through sensitization and training activities.	<ul> <li>Organization has difficulty to be managed by contemporary law.</li> <li>Khettara rehabilitation project cannot be managed by modern methods.</li> </ul>

Table 2.3.2 SWOT Analysis on Association

		Opportunity	Threat
ning	Established in comply with contemporary law and having legal status.	Easy to acquire assistance from outside organizations.	_
Strengthening	Members are consisted of chief and/or representative from traditional khettara organizations.	Traditional khettara organizations can exchange information on khettara rehabilitation works and discuss about future cooperation.	Each traditional organization only seeks their own benefit.
Weakness	Most of them were newly established and have little knowledge and skills on modern association management including holding general assembly, keeping minutes of meetings and making financial record.	Management can be strengthened through trainings.	Local people do not trust management of association because of weak management.
Weak	Has not acquired trust from local people.		Local people do not follow instruction by association, including making contribution for khettara maintenance and rehabilitation works in the form of labor force and finance.

From the results of SWOT analyses, following development potentials are identified in terms of future khettara rehabilitation works.

- Traditional khettara organization has been carrying out khettara maintenance and rehabilitation works for a long time even though it does not have legal status. Experience, knowledge and unity of people accumulated through these activities become bases for further maintenance and rehabilitation works.
- Traditional khettara organization can be strengthened on its institutional aspect with registering and managing the organization as Khettara Association. By doing this, traditional khettara organization would be able to acquire assistance from outside organizations more easily with keeping its accumulated knowledge, leadership and know-how on khettara maintenance and rehabilitation works.
- Based on the relationship of mutual trust with traditional organization, Khettara Association would be

able to expand its activity to other rural development fields, such as extension of new agriculture techniques, social infrastructure development including education and health facility, adult education on health and literacy etc.

# 2.3.2 Social Capital Approach

Comparison between present situation of farmer's organizations in khettara *Ksar* and expected one can be illustrated as follows when their structure and relationship are analyzed with applying a concept of Social Capital (S.C) (see attachment 1 for classification of Social Capitals).

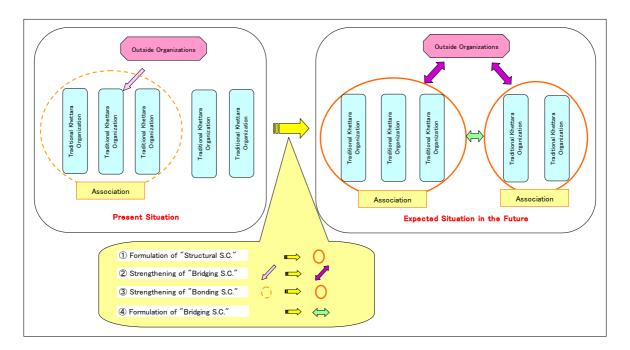


Figure 2.3.1 Comparison of Social Capital between Present and the Future

Present Situation is illustrated on the left. Only traditional khettara organizations exist in khettara *Ksars*. Or even Associations being established, most of them are simply waiting for assistance from outside organizations and have not started actual activity for khettara rehabilitation works. From this situation, formulation and strengthening each social capitals described above are required to realize expected organizational and institutional structure in the future.

# 3. Organization Strengthening Plan

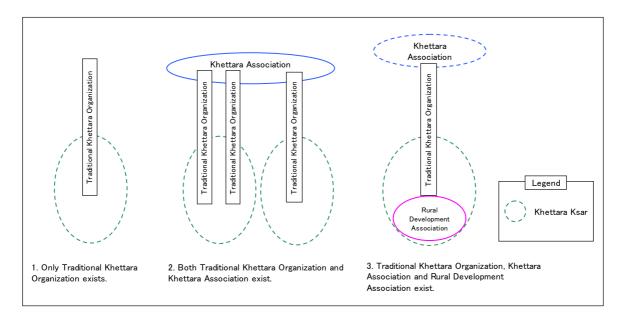
# 3.1 Component of Master Plan

# 3.1.1 Basic Approach

Objective of organization strengthening plan in this project is to formulate appropriate organizational and institutional structure for the implementation of khettara rehabilitation master plan. Traditional khettara organization, which currently does not have sufficient capacity to maintain and rehabilitate khettara by themselves, would become able to do so by strengthening their own organizational capacity and cooperation with outside organizations such as government, international donors and NGOs. Newly established association is also expected to expand their activity from khettara maintenance and rehabilitation to other rural development works based on the trust with local people being accumulated by the traditional organization.

Present situation of organization capacity was analyzed on chapter 2.3 Organization capacity assessment. However, each organization has different capacity in accordance with their own social background and different stages on development. Although formulation and present structure of farmer's organizations varies from one to another, existing organization structures can be divided broadly into following three categories.

- 1. Ksar which has only traditional khettara organization.
- 2. *Ksar* which has not only traditional khettara organization but also has Khettara Association composed with representatives from several khettaras.
- 3. *Ksar* which has traditional khettara organization, Khettara Association and rural development association.



Note: There are both cases in which Khettara Association exists and not exist.

Figure 3.1.1 Present Organization Structure in khettara *Ksar* 

Organization strengthening plan will be carried out by supplementing insufficient capacity of each organization after confirming the present structure and capacity which are different from one to another. However, following two basic approaches can be applied in order to efficiently achieve above mentioned objective of organization strengthening plan.

- 1. In case of only traditional organization exists in a *Ksar*; traditional khettara organization is strengthened in institutional aspect and registered as an association. Registered association acquires basic association management skills in comply with the law and expand its activity from khettara maintenance and rehabilitation to other rural development works.
- 2. In case of *Ksar* presently Khettara Association and/or Rural Development Association exist in addition to traditional khettara organization, khettara maintenance and rehabilitation works, as well as other rural development works, will be realized by promoting cooperation among these organizations with complementing strong and weak points each other.

Formulation of one Rural Development Association in each *Ksar* will be advocated in the future with recognizing that khettara *Ksar* as a basic unit of sharing common interests.

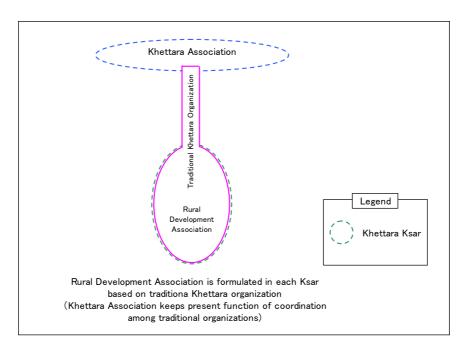
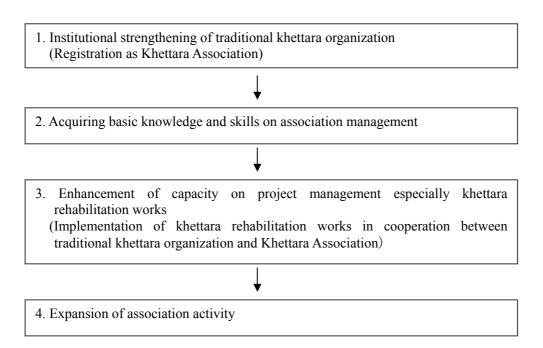


Figure 3.1.2 Organization Structure after Strengthened

# 3.1.2 Steps and Component in the Plan

Following basic steps are taken on the organization strengthening plan. However, actual implementation will be proceeded in the method to supplement insufficient organization capacity in each organization after confirming their present structure and capacity in each khettara *Ksar*.



Moreover, components of organization strengthening on each step are shown below.

Table 3.1.1 Components of organization strengthening plan

Steps in organization strengthening plan	Components	Target organization	Implementation body
Institutional strengthening of traditional khettara organization	1-1. Holding seminar on association establishment and supporting its establishment	Traditional khettara organization	ORMVA/TF and ODECO
(registration as association)	(Necessity of association establishment, procedure for establishment etc.)		
Acquiring basic knowledge and skills on association management	2-1. Providing trainings on association management  (Holding General Assembly, election of bureau members, making minutes of meetings, financial management, etc.)	Khettara / Rural Development Association	ORMVA/TF and ODECO
3. Enhancement of capacity on project management especially on khettara rehabilitation works	3-1. Making application to outside organization for support on khettara rehabilitation work.	_	Khettara / Rural Development Association
(Implementation of khettara rehabilitation works in cooperation between traditional khettara organization and Khettara Association)	<ul> <li>3-2. Management of rehabilitation works including monitoring in cooperation with ORMVA/TF</li> <li>3-3. Expansion of khettara rehabilitation work by association.</li> <li>(Utilization of equipment lending scheme by ORMVA/TF, etc.)</li> </ul>		(ORMVA/TF and other outside organizations support activities by association)
4. Expansion of association activity.	<ul><li>4-1. Supporting extension of water saving agriculture technique.</li><li>4-2. Supporting establishment of cooperative among farmer's group</li></ul>	_	Khettara / Rural Development Association
	(Drip irrigation cooperative, cooperative on khettara rehabilitation equipments, etc.)  4-3. Promoting rural development project based on demand in a <i>Ksar</i> (Rural infrastructure (school, health dispensary, road, etc.), adult education on literacy and health, supporting income generation		(ORMVA/TF and other outside organizations support activities by association)
	activity by farmer's group, etc.)		

# 3.2 Training Program and Tools

# 3.2.1 Seminar on Association Establishment

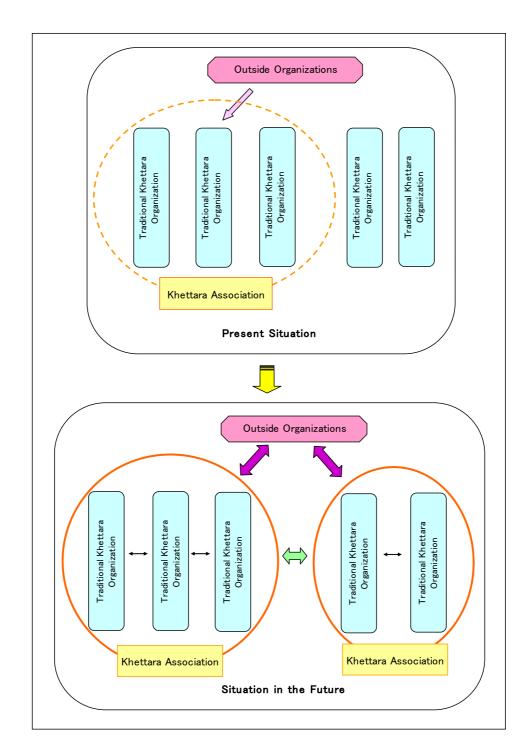
Holding a seminar with following program is effective to facilitate establishment of association in khettara *Ksars*.

	Seminar program for facilitating establishment of association (sample)		
10:00	Opening remark (ORMVA/TF SVOP)		
10:15	Explanation of seminar program (ORMVA/TF SVOP)		
10:30	Objective of seminar (ORMVA/TF SVOP)		
11:00	Presentation 1; Present situation of farmer's organizations, necessity of capacity building (ORMVA/TF SVOP)		
12:00	Presentation 2; Procedure for establishing association/cooperative (ODECO Expert)		
12:30	0 Discussion		
< Lunc	< Lunch Break >		
14:00	Presentation 3; Experience in Jorf area (Director of ORMVA/TF CMV Jorf)		
15:00	Workshop; Preparation of documents for establishing association (ORMVA/TF SVOP)		
15:45	Discussion		
16:00	Closing remarks		

Objective of the seminar can be explained with the following diagram.

Outside organizations, at present, prefer to choose a khettara having modern association for extending their support on khettara rehabilitation work since they regard modern association keeps clear and fair management than traditional organization does. The selection of a target khettara for assistance by outside organization is rather top-down than bottom-up in this way.

When traditional khettara organization is institutionally strengthened and converted into modern association, more application can be submitted from local people to outside organizations. This enables the selection process become more interactive. Establishment of association also facilitates exchange of information and cooperative works between traditional khettara organizations, as well as associations, and brings more benefits to whole khettaras in the region.



Continuous supports by ORMVA/TF to traditional khettara organizations on preparation and submission of necessary documents are also necessary to facilitate establishment of associations.

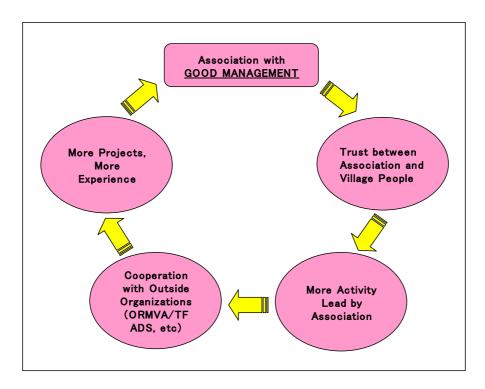
# 3.2.2 Trainings on Association Management

For newly established association, following training program is recommended to be carried out for strengthening their knowledge and skills on association management.

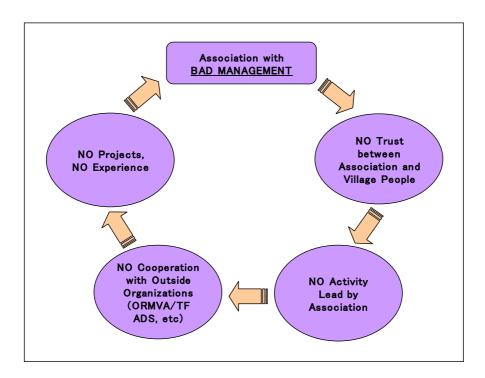
Training program on association management		
DAY 1	DAY 2	
9:00 Opening remark (ORMVA/TF SVOP) 9:15 Explanation of seminar program (ORMVA/TF SVOP)	9:00 Presentation 5; Case study of milk cooperative in Errachidia (President of milk cooperative in Errachidia)	
9:30 Objective of seminar (ORMVA/TF SVOP)	10:30 Workshop 1; Preparation of accounting report (Basic) (ODECO Expert)	
10:00 Presentation 1; Present situation of farmer's organizations, necessity of capacity building (ORMVA/TF SVOP)	< Lunch Break >  14:00 Workshop 2; Preparation of accounting report	
11:00 Presentation 2; Management of association and cooperative (General) (ODECO Expert)	(exercise) (ODECO Expert) 15:30 Discussion	
12:00 Discussion	17:00 Closing remarks	
< Lunch Break >		
14:00 Presentation3; Management of association and cooperative (General assembly, minute of meeting, accounting record etc.) (ODECO Expert)		
15:00 Presentation 4; Formulation of khettara rehabilitation project and application procedure (ORMVA/TF SVOP)		
16:00 Discussion		

Difference between good association management and bad association management can be explained with using following diagrams.

Training materials prepared and published by ODECO are also useful to be used in these training sessions.



Association with good management



Association with bad management

# 3.2.3 Preparation of Application to Outside Organizations

For facilitating preparation and submission of application from association to outside organizations, distribution of a brochure explaining available assistances on khettara rehabilitation works, together with their application procedures and selection criteria, is effective.

A sample of brochure prepared in cooperation between ORMVA/TF and JICA Study Team is attached on this manual.

# 3.2.4 Project Management by Association

Association is required to strengthen ability on project management after acquiring basic knowledge and skills on association management. On the first stage, involving association into project monitoring activity is crucial for developing its capacity on project management.

Involvement of association into project monitoring activity has following positive effects.

- Association become able to understand present condition of khettara scientifically with referring collected information and data.
- Collected information and data will become basic information on considering further rehabilitation works by association in cooperation with traditional khettara organization.
- Monitoring activity in cooperation with ORMVA/TF and/or other outside organizations facilitate mutual understanding between these organizations and traditional khettara organization represented by association.
- Traditional khettara organization re-confirms importance of functions rendered to association and strengthens their relationships.
- Association will be able to expand its activity based on the strengthened relationships with traditional khettara organization.

JICA Study Team recommended applying Project Cycle Management (PCM) method for monitoring activity by associations in cooperation with ORMVA/TF. PCM uses Project Design Matrix (PDM) as a core tool for project management of planning, implementation and monitoring & evaluation activites. Following diagrams present a flow of Project Cycle Management and format of PDM.

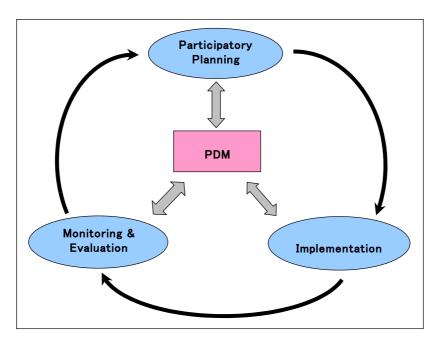


Figure 3.2.1 Flow of Project Cycle Management

Narrative Summary	Verifiable Indicators	Means of Verification	Important Assumptions
Overall Goal			
Project Purpose			
Outputs			
Activities	Inputs		
			Pre-conditions

Figure 3.2.2 Format of Project Design Matrix (PDM)

For applying PCM method on project monitoring activity, ORMVA/TF and association are expected to take following roles.

Organization	Expected roles on monitoring and evaluation activity
ORMVA/TF	- Explaining the purpose and method of monitoring activity to association.
	- Transferring technical knowledge and skills of monitoring activity to association.
	- Collection of data in cooperation with association.
	- Aggregation and analyses of collected data and information.
	- Feed-back of analyzed data and information to association.
	- Make necessary modification on project implementation.

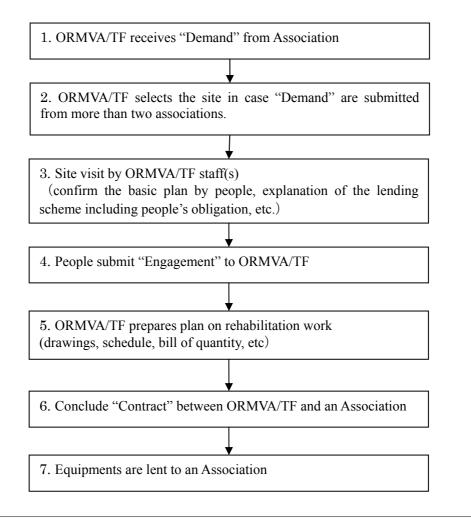
Association	- Receive technical training on monitoring data collection.
	- Collection of data and information in cooperation with traditional khettara organization and farmers.
	- Publicity of collected aggregated and analyzed data and information to people in the <i>Ksar</i> .
	- Discuss with people for future action.

# 3.2.5 Equipment Lending Scheme for khettara Rehabilitation

For promoting khettara rehabilitation by local people, particularly by traditional khettara organization in cooperation with association, equipment lending scheme for khettara rehabilitation works is recommended to be implemented. Implementation of this scheme will also enhance organization capacity of newly established association on project management.

ORMVA/TF and JICA Study Team constructed following equipment lending scheme. It is recommended to be continued with making necessary modification in the future.

Furthermore, formulation of cooperatives for equipment lending on khettara rehabilitation works should be promoted in the future in order to strengthen capacity of association on self rehabilitation works.

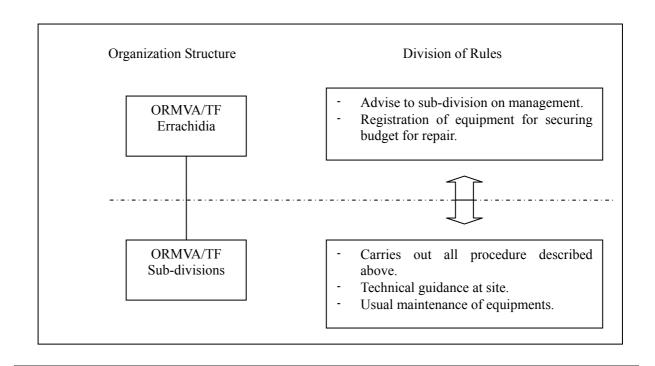


(Notes) 4. "Engagement" is signed not only by president of association but also by representatives of local people, such as representative of big families or tribes. "Engagement" should be registered at local authority as an official document.

6. "Contract" is signed by president of association.

Samples of Demand, Engagement and Contract are attached on this manual.

Division of roles in ORMVA/TF is indicated on the following diagram.



# **Attachment 1: Classification of Social Capitals**

Social Capitals (S.C) are generally classified into 2 groups. The first group is composed with "Structural S.C" and "Cognitive S.C". In this classification, existence of organization and formal institution is identified as "Structural S.C", and existence of un-formal institutions which affect people's psychological attitude such as social norm and self-esteem is recognized as "Cognitive S.C". In this case, written institution of administrative supporting for poor community is categorized as "Structural S.C", and unwritten rules, norms and self-esteem are categorized as "Cognitive S.C".

On the other hand, in second classification, factors which tighten cooperating attitude inside a community or group are identified as "Bonding S.C", and factors strengthening relationship with outside organizations and formal institutions are recognized as "Bridging S.C". In this case, establishment of people's organization and originate cooperative works inside a community are categorized as formulation and strengthen of "Bonding S.C", then expansion on provision of information and administrative assistance to a community are categorized as "Bridging S.C".

These classifications of Social Capital are summarized on the following table and figure.

	Social Capital (S.C)	Concept	Example		
Group 1	Structural S.C	Existence of organization and institution	Community organization, written institutions of governmental supports		
Ğ	Cognitive S.C	Social norm, self-esteem	Unwritten rural, norm, self-esteem		
Group 2	Bonding S.C	Factors tightening cooperative works inside a community or group	Establishment of people's organization strengthening cooperative works		
	Bridging S.C	Factors strengthening cooperation between organizations and institutions			

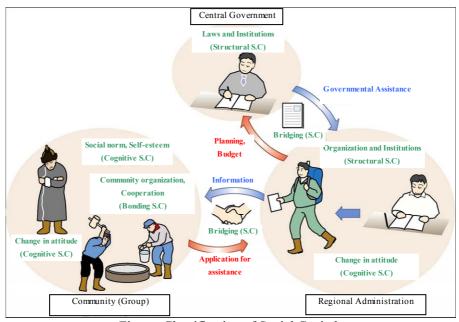


Figure: Classification of Social Capitals



The Development Study on Rural Community Development Project in Semi-Arid Atlas Regions with Khettara Rehabilitation in the Kingdom of Marocco

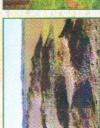
Japan International Cooperation Agency

Attachment 2 (1)
Brochure explains supports from outside organizations for Khettara rehabilitation

# إلى إنقاذ الخطارات والمحافظة عليها. وفي هذا الصدد فإن المكتب الجهوي بمشاركة متدخلين آخرين (جمعيات محلية، وكالة التنمية الإجتماعية، الوكالة جهود إعادة تاهيل الخطارات: تهدف العمليات المنجزة في هذا الإطار

اليابانية للتعاون الدولي...) قام بإنجاز 210 مشروع بغلاف مالي يصل إلى 52

التسيير الإداري والمحاسبي، وقد استقاد من هذه الأيام الدراسية أزيد من 80ا الفلاحين على التنظيم العصري للجمعيات داخل دوائر الخطارات، قام المكتب بمشاركة الوكالة اليابانية للتعاون الدولي بإنجاز دورة تكويفية بأرفود في شُتَنَيْرِ 2004 بَهِدَفَ لَقَوِيةَ المنظمات المهنيَّةِ التَّقِيدِيةَ وتَكُويِنَ أعظانَها في مجاليً تحديث تسيير المنظمات المهنية الثقليدية : في إطار تشجيع





# تنويع مصادر التمويل للمساهمة في إنقاذالنطارات

التنظيمات يجب أن تلبي الشروط الحديثة الخاصة بالتسيير الإداري والتنظيم المحاسبي الملائمة لتطويرها وإشاعة ثقافة النواصل والشفافية بين أعضائها النحتية للخطارات وكذا الثنظيمات المهنية بهذه المناطق. ومكذا قإن هذه عنه، يجب أن نساهم جميعاً في ابتكار وإعدار مشاريع تهدف إلى تقوية البنيات نداء : من أجل إنقاد الخطارات التي تمثل ثروة وإرثا حضارياً لا غنر

ومن بين المواصفات التي يجب أن تتمتع بها الجمعية للحصول على الدعم

- قوض الجمعية على الموارد البشرية اللازمة لإنجاز المشروع عقد الجموعات العامة بائتظام وتطبيق القرارات المتخدة:
- الحرص على الشفافية فيما يخص التسيير؛ المساهمة العالية في إنجاز المشاريع الإقتصادية.

النمويل. ينضمن ملف طلب النمويل عن طريق التشارك الوثائق الآتية: ♦ تحرير طلب مطبوع خاص حسب كل ممول: ملف طلب التمويل: ندرج فيما يلي تموذجا من طلب الحصول على

♦ imes aj relma llamete3 ; نسخة من الأنظمة الأساسية للجمعية

ميدان التشارك حيث قام بتنظيم ثلاث ندوات محلية حول التشارك ودمج جمعيات المجتمع المدني في العمل التنموي لإنجاز مشاريع مختلفة مع تنويع amle (linger). إن تجربة المكتب الجهوي للإستثمار القلاحي لتافيلالت غنية جدا في

وإقتصادية وثقافية تمكنها من العيش في وثام مع محيط طبيعي صعب من جهة

وطي مي به احري

إرادة وطاقات في العمل الجماعي تسخر من أجل إنجاز مشاريع إجتماعية

يتفق الباحثون وعلماء الإجتماع على أن سكان الواحات يتوفرون على

مفعوم التشارك قديم ومتبذر بتافيلالت

خصوصا التجهيزات الهيدروفلاحية التي همت 128 مشروعا بتكلفة إجمالية تزيد على \$3 مليون درهم. كما يقوم المكتب في مجال صيانة المنشآت وتنظيم الري بأنشغال الصيانة والإصلاح في إطار تشاركي مع مستعملي مياه الري. وقد همت إطار الشراكة بين المكتب والجمعيات التنموية متعددة ومتنوعة منها التجهيزات الهيدروفلا حية، ومشاريع تلموية ومشاريع نهم النهوض بالمرأة القروية. وقد ساهم في هذه الإنجازات عدة متدخلين من جمعيات محلية ووطنية ودولية مكنت من جلب تمويل مهم لغائدة المنطقة. هذه التدخلات ازيد من 300 مشروع. وتجدر الإشارة إلى أن المشاريع المنجزة في وقد قام المكتب بإنجاز عدة مشاريع في إطار التشارك تهم عدة مجالات

زحف المقاهيم السلبية كالأتانية التي صاحبت الحضارة العصرية، وهكذا، فإن

التاريخية في المتعاون والمصابرة والنشارك موجودة إلى الأن بهذه المناطق رغم

إنشاء حضارة مشعة والمحافظة عليها. ولا تزال هذه المكتسبات والمميزات

وبغضل هذا التضامن والتشارك، تمكن السكان بالواحات خلال قرون من

العمومية والمصالح التقنية على إشراك السكان بالواحات لإنجاز مختلف

والجماعي المثمرين في شتى مجالات الحياة الجماعية. وقد دابت السلطان المشاريع التنموية بالعالم القروي وخصوصا ما يتعلق بالميادين الفلاحية.

سكان الواهات يظلون دائما رهن الإشارة ويلبون كل دعوة للعمل الخيري

الفلاحي لتافيلاك بإنجاز عدة مشاريع هيدروفلاحية وتنموية مهمة وكذا مشاريع أخرى مدرة للدخل بفضل المساهمة الفعالة للسكان المعنيين

ووعيا منه بهذا الإستعداد للتشارك، قام المكتب الجهوي للإستثمار

# النطارات بتافيالت الوضعية النالية ومبغودات

المنافظة عليها

لتأغيرنت من أغنى المناطق التي تتوفر على نظام الستغلال المياه الجوفية بواسطة الخطارات حيث يبلغ عدد الخطارات 70 وحدة بطول إجمالي يصل إلى 900 كلم من الأنفاق. وقد تاثرت هذه الثروة من التجهيزات بالجفاف الذي إصاب المنطقة حيث غاضت مياه 300 خطارة كليا، كما تقلص صبيب باقي الخطارات الوضعية : تعتبر منطقة عمل المكتب الجهوي للاستثمار القلاحم

يخص تسيير الخطارات وتنظيمها الإداري والمحاسبي فإنها ترتكز على قواعد العرف المتوارثة منذ القدم وهكذا فإن عدد الخطارات المستخلة حاليا لا يتجاوز 250 خطارة، وفيما









المنظمات المهنية بمناطق الخطارات يهدف إلى ما يلي: وفي نفس الإتجاد، تم وضع مخطط عمل لتنمية التشارك وتطوير ♦ تنمية التشارك بمناطق الخطارات:

- المساعدة على إعداد وإنجاز مشاريع لإعادة تأهيل الخطارات: إنجاز مشاريع تنموية قصد تحسين موارد السكان القرويين بمناطق
  - التحسيس المكثف من أجل تطوير الجمعيات التقليدية إلى جمعيات
- تكوين أعضاء الجمعيات والمنظمات المهنية. تقوية التنظيم الخاص بالخطارات:

# The Development Study on Rural Community Development Project in Semi-Arid Atlas Regions with Khettara Rehabilitation

in the Kingdom of Marocco

Japan International Cooperation Agency

# Attachment 2 (2)

Brochure explains supports from outside organizations for Khettara rehabilitation

# (Sample of Demand)

Alnif 24th December, 2003

From: Representatives of Tabourikte Tribe Commune and Caida of Alnif Errachidia Province

> To Mr: The Director of the CMV Alnif

Object: Application for finalizing Tabourikte Khettara (Ahdjoumi)

We, and on behalf of Tabourikt tribe inhabitants whose number is almost 1200 person, and who all rely on agriculture and livestock; the total area is almost 80 ha of agricultural lands and palm trees, in addition to other mixed trees

We are glad to request your greatness to finalize the works for khettara Tabourikte (Ahdjoumi), especially that the ground water exists. We also engage to provide the appropriate man power.

We hope that you would supply us with the necessary materials (cement, steel, construction materials and tools...)

Finally, we hope that our application would be considered and would encounter merciful hands in your person, in order to get what is necessary.

With best regards

# Signatures

Name	NIC	Position	signature
Ahmed SADIKI		Tribe chief	
Lahcen		Member of the	
BENSEKKOU		tribal group	
Mohamed		Member of the	
BOUTAHRI		tribal group	
Lahcen BEN		Member of the	
YOUSSEF		tribal group	
Lahcen BEN		Commune Advisor	
SEKKOU		Tabourikte	

# (Sample of Engagement)

# Engagement

# We undersigned

Abid KEDDOURI, born on 4<sup>th</sup> November 1958, profession, farmer and holder of the national identity card number 3563 U, issued on March 30, 2002

Tahar SALMI born on 1961, profession labourer, holder of the national identity card number 62551 U, issued on April 19, 2001,

ISSAOUI Lakhlifa, born on 1962, profession labourer, holder of the national identity card number 68517 U, issued on 21 September 2000

Abderrahim BABEN GHANIMI, born on 26<sup>th</sup> September 1973, profession farmer, holder of the national identity card number 27527 UC issued on 6<sup>th</sup> October 2002

Allal ASRI born on 1942, profession farmer, holder of the national identity card number 30019U

We live at Fezna Commune, Caidat Areb Sebbah Ghris

We hereby agree for the hereinafter engagements:

Providing man power for the construction of a wall in Lakfifia Sagia, called El Baba Hmamouia. The wall's length is 150 meters; its width from the bottom is 1 meter and from the up 0.50; to protect the khettara against El Batha River; and the construction of three bridges on Boussafine Sagia the length of each one is 20 meters, and 3.5 meters for Sagia covering.

We request the cement, steel, sand and masonry stones from the ORMVA, all we have to provide is only man power.

We undersigned being engaged for what is mentioned below.

Done in Jorf, on December 31st, 2003

# Signatures

Abid KADOURI Abderrahim BABN GHANIMI

Tahar SALMI Lakhlifa ISSAOUI

Allal ASRI

# (Sample of Contract)

# Partnership Agreement Related to the establishment of projects related to small and medium irrigation in.....

Between:				J
	The Regional Office director Mr:	for Agriculture Devel	opment in Tafilalet, a	as represented by its
	And:			
				•••••
	Article 1: Introd	luction:		
	inhabitants of contribution within	portance of the small who mainly decides the improv the framework of p	rely on auto consu ement of this dor eartnership with the	mption agriculture: nain, through the
	The subject of this a conditions of	agreement is limited with a co- cording to the followi	llective financing	
	Project	Type of works		Financing part
	Total			

# Article 3

The ORMVA/TF is responsible for:

- Provide on sites the necessary materials for the programmed works according to the table in the second article hereof.
- Technical supervision during the implementation of the determined projects.

# Article 4: Engagements of the other parts:

E	Inga	gemen	ts								•••		
	By v	irtue o	f the dec	ision	of	1	the	later is enga	iged	to pr	ovide the ne	ecessa	ıry
	man	powe	r within	the	framework	of	a	partnership	for	the	implement	ation	of

# (Sample of Contract)

development projects of small and medium irrigation in...... according to what follows:

Commune	Project	Working days
Total		

# Article 5:

A meeting, including all the concerned parts shall be hold before the beginning of works, for the determination of a work plan and methodology, and in order to agree on a schedule for the implementation of works.

## Article 6:

A local commission shall be determined for the monitoring of the different stages of the implementation of the programmed works, this commission is composed of:

- .
- •
- .
- .

The local commission shall prepare daily detailed reports which shall be including the results of the tasks thereof, in addition to the following information:

- The progress conditions of each project
- The quality of works for each project
- Any remark which might attract the attention of the local commissions.

A copy of these reports shall be sent to all the concerned parts with this agreement as soon as they are signed by the concerned parts.

Signatures

First part Director of the ORMVA/TF