EMPOWERS - INWRDAM
Regional Training Workshop

Rmamein Village
Case Study

Prepared by EMPOWERS Jordan

Rmamein Village

Location:

On the edge of the Jordan Valley just 15 km away from the center of Salt City.

Population:

- The village is inhabited by both Muslims and Christians
- The population of the village numbers around 3,000

Nature:

- Average annually rainfall of 350 mm
- Rainwater and water springs are the main sources for farming in the village
- The soil is considered one of the best, it is sandy clay which makes it suitable for farming; olive and almonds are plentiful together with some vegetable growing

Rmamein Village

◆ Social & Economic Status:

❑ Families average size:

5-14 members and the average family size is **six**.

❑ Educational level:

- Is from the compulsory elementary up to university levels.
- Although most of the villagers are educated and hold university degrees, 15% of them receive monthly support from the national aid fund and the unemployment rate is more than 10%.

❑ Women's situation:

- Some of the women are educated they work in education sector, as for the majority they are home makers pursuing their homely duties and individual family affairs.
- There is local women voluntary society

Rmamein Village

- **Main water problems:**

  - ✓ **Drinking water:**
    - High cost
    - Quality
    - Water shortage in summer
    - Using drinking water in irrigation
    - No maintenance to the water infrastructure
  - ✓ **Irrigation Water:**
    - Inefficient water use
    - Lack of awareness
    - No maintenance to the springs
  - ✓ **No existence of sewage system**

Accountability & Rights in Water management

- Gender, rights and accountability concepts should be presented from the beginning of any planning process.
- It will probably also gives further insights in decision-making and concerted actions processes, while deepening understanding on attitudes and believes of different WUGs.
- Farmer group is one of focus WUG in Rmamein Village.

Success/Failure Factor	Low	Slight	Mid	OK
Awareness/Capacities and knowledge			*	
Benefits	*			
Access Rights and Control	*			
Facilitation and Leadership		*		
Group Processes	*			
Claim-making Power		*		

RIDA analysis
village water demand &Access

			2006	2012
Demand & Access	*Domestic*	Population	3000	3394
		Domestic water demand lpcd	100	100
		Domestic water demand M3/yr	109500	123889
		Av. actual use (lpcd)	70	100
		Actual use total (m3/yr)	**76,650**	**123,889**
		Range of actual water use (lpcd)	20-120	70-100
		% households on network	98	100
		% households unserved	2	100
		satisfaction	50	90
	Agricultural	Total cultivated area (dunum)	1,100	1,100
		Net irrigated area (dunum)	380	380
		Gross irrigated area (dunum)	380	380
		Potential irrigation water requirements (m3/yr)	729,600	729,600
		Actual irrigation water use (m3/yr)	364,800	364,800
		Livestock water use (m3/yr)	6,570	986
		Total actual ag. water use (m3/yr)	**371,370**	**365,786**
	Total water use	(m3/yr)	448,020	489,675
	total water Demand	(m3/yr)	845,670	854,475
	MOWI/ Balqa Depatment			

Infrastructure &Resources

				2006	2012
Infrastructure	*Domestic*	Planned per-captia supply	l/c/d	150	150
		Supply capacity before losses	m3/yr	164,250	?
		Average losses	%	50	?
		Actual supply after losses	m3/yr	82,125	?
	Agricultural	Supply capacity (before losses)	m3/yr	729,600	?
		Av. losses	%	50	?
		suppply after losses	m3/yr	364,800	?
	Total capacity after losses		m3/yr	**446,925**	**?**
	Total capacity before losses		m3/yr	**893,850**	**?**
	Sanitation	Type		septic tanks	septic tanks
		% access or coverage		98	100

Resource	*Rainfall*	Av.Rainfall mm	300		
		Rainfall over Rmemean area M3/yr	330,000		
			Domestic	***Agricultural***	***Total***
	Springs	Av. annual yield (m3/yr)		1,483,944	1,483,944
		% accepteable water quality	-	-	
	Groundwater	Av. sustainable yield (m3/yr)	**74,606.46**	-	74,606
		% accepteable water quality	-	-	
	Surface water	Av. annual availability (m3/yr)	**0**	-	
		% accepteable water quality	**0**	-	
	wastewater	Av. annual availability (m3/yr)	**0**	**0**	
		% accepteable water quality	**0**	-	
	Rainwater (harvesting)	Av. annual availability (m3/yr)	**-**	33,000	33,000
	Desalination	Av. ann. availability (m3/yr)			
	Total				**1,591,550**

Rmamein vision

By the year 2020 we seek to increase individual water share from 70 l\c\day to 100 l\c\day within the Jordanian drinking water standards. We seek also to improve irrigation water convey 30% in addition to improve environment conditions on the village.