JBIC ODA Loan Project Interim Review Report

Project Name: Morocco "Rural Water Supply Project (I)"

[Outline of Loan Agreement]

Loan Amount/Loan Disbursed Amount: 5,004million yen/1,250million yen (as of March 2005) Signing of Loan Agreement: March 2000 (6th year) Executing Agency: Office National de l'Eau Potable (ONEP)

[Project Objective]

The project's objective is to establish a water supply system (construction of distribution reservoirs, pump stations, etc.) in rural villages in Morocco (3 provinces of Fes, Safi and Tiznit) in order to supply safe water and thereby contribute to the improvement of the living environment and sanitary conditions.

[Outline of Results] (Field	ield Survey : January 2005) Appraisal (March 2000)												1 /	
Item		Mid-Term Review												
[Relevance]	 (1) In the Economic and Social Development Plan (2000-2004), development of the water sector was listed among main policies in order to address the increasing water demand. (2) In an effort to promote the development of the water sector in rural areas where the water supply coverage is lower than urban areas, the Rural Water Supply and Management Programmes (PAGER) was launched with the goal of increasing the percentage of population with access to drinking water from 32% in 1997 to 62% in 2004. (3) This project is to supply safe water to residents in rural areas (3 provinces of Fes, Safi and Tiznit) as part of the above-mentioned plan, and therefore was of high priority. 				 development, it is still important to address the increasing demand for water. Also in the l'Initiative Nationale pour le Developpement Humain (INDH), advocated by the King, basic infrastructure building is taken up as one of the important sector in the framework of poverty alleviation. (2) Implementation of the PAGER has been continuing, and the percentage of population with access to drinking water in rural areas increased from 32% in 1997 to 61% at the end of 2004 according to the mid-term evaluation on the rural water 									
[Effectiveness]														
(1) Increase in water	(1) Fes Province (290	(1) Fes Province (266 villages in Moulay Yacoub) (After change of the scope)*												
supply		1997 (Value at the time of appraisal)	2000 (Estimate value in the appraisal)	2010 [6 years after the completion] (Target Value at the		2000	2001	2002	2003	2004	2005 (Estimate value)	2006 (Estimate value)	2010 (Estimate value)	2020 (Estimate value)
		72.050	77.520	time of appraisal)	Population in the	139,982	142,082	144,213	146,376	148,576	150,805	153,067	164,080	188,541
	Population with water supply Average water demand (liter per day per person)	22.2	22.2	94,510	project area** Population with water supply (entire project area)	58,792	59,674	72,107	73,188	74,715	150,805	153,067	164,080	188,541
		1			Average amount of water demand (entire project area, m ³ /day)	-	-	1,381	1,824	2,333	4,170	4,423	-	6,512
					Population with water supply (JBIC project area)	-	-	-	-	427	75,402	76,533	82,040	94,270
					Average amount of water demand (JBIC project area, m3/day)	-	-	-	-	-	1,757	1,783	2,180	3,256
					Average water supply (JBIC project area, m3/day)	-	-	-	-	-	2,195	2,229	2,722	4,069
					* The project village ** population in the				y district					

Consultants: Nippon Koei /DAR AL HANDASAH MARO Contractors: local companies, etc.

	(2) Safi Province (40	1997	2000	2010 [6 years after the		ζ U		2001		ge of the scope * 2005		2010		2015
		(Value at the time of appraisal)(Estimate value in the appraisal)completion] (Target Value at the				2001		(Esti	mate value)	(Est	imate value		mate value)	
				-	Population in the pro	ject area**		22,9		24,78			048	27,376
				time of appraisal)	Population with wate	•			0		0	26,	048	27,376
	Population with water	17,500	18,600	22,700	Average water demand	(m ³ /day)		4	509	61	2		809	1,026
	supply				Average water supply (m ³ /day)			-		-	1,	011	1,283
	Average water demand (liter per day per person)	38.5	40.4	44.5	* The project villages ** population in the ta	-	~ ~	water-supply d	istrict					
	(3) Tiznit Province (3)	6 villages in Tafraou	te region)		(3) Tiznit Province	e (36 villag	ves in Tafraoı	ite region)						
		1997	2000	2010 [6 years after the		2000	2001	2002	2003	2004		2005	2006	2020
		(Value at the time of	(Estimate value in	completion]								stimate	(Estimate	(Estimate
		appraisal)	the appraisal)	(Target Value at the							V	value)	value)	value)
	Population with water	8,000	8,500	time of appraisal) 13,360	Population in the project area*	9,010	9,055	9,104	9,15	7 9	212	9,270	9,330	11,590
	supply Average water demand	74.5	81.3	75.7	Population with water supply *	-	-	-	-	-		5,580	5,610	6,976
	(liter per day per person)				Average water demand (m ³ /day)	-	-	-	-	-		280	282	350
					Average water supply (m ³ /day)	-	-	-	-	-	sur	vey by the	Under survey by the implementing agency	Under survey by the implementing agency
	(4) Tiznit Province (3	1 villages in Larbaa 1995 (Value at the time of appraisal)	Sahel region)		*The number of popul (4) Tiznit Province		-			2004	2005 (Estimate	2006 (Estimate		
	Population with water supply	5,662			Population in the project area	77,105	78,030	78,968	79,916	80,875	value) 81,845	value) 82,82	value) 7 87,57	value) 0 97,88
	Average water demand (liter per day per	61.0			Population with water supply	-	-	-	-	-	15,506	15,69		
	person)				Average water demand (m ³ /day)	-	-	-	-	-	374	39		
					Average water supply (m ³ /day)	-	-	-	-	-	467	48	6 58	1 81
Informatio]	(1) Output Improvement of the ex				* The project villages Since the proje value. However, Tafraoute region, 7 project. (1) The target vill as the implementing	ct areas cha it is now po Fiznit Provi	nged, it is no ossible for th ince. Thus, eir number c started the pr	e target areas it is deemed hanged in Mo oject with th	to supply a that there pulay Yacou	dequate am will be no b in Fes, Tr	ount of w problem	vater to m regarding t in Safi, a	eet the dema the future	and except effects of Sahel in Ti
	 Construction of dist Construction of pun Installation of water Construction of pub 	np stations (13) r pipe (approx. 530k	m)		 appraisal and befor Construction of Construction of 	distribution	reservoirs (2							

	* Consulting service 36M/M	Construction of public water taps (378)							
1		(*Those figures are tentative.) ¹							
	(2) March 2000 - April 2004 (50 months)								
(2) Period		*Consulting service : 72-3M/M							
		(2) March 2000 – January 2007 (scheduled) (83 months)							
		<resaons delay="" of=""></resaons>							
		• After the appraisal, the consultation was needed in order to demtermi itself or ONEP became the borrower of this project. As a result, it							
		loan agreement after the appraisal, which cause the delay of the onset of							
		• There were two main reasons for the delay in Thine Ghiat, Safi:							
		planned water source was not potable and it took longer time to loca							
	(3) 7,204 million yen	(basic research for preparing tendering documents) took longer time.							
(3) Project Cost		In Larbaa Sahel in Tiznit, the project slightly delayed since it took lo							
		(3) 3,817million yen (Implementing agency has a policy to conduct an							
		project cost will increase accordingly.)							
[Lessons Learned and	As the contents of this project changed several times, it is deemed that the indicators and data have not been set or measured. Thus, it is hoped that the implementing								
Recommendations]	that proper data are prepared at the time of the ex-post evaluation.								
[Indicators set for the	n.a.	To be set upon consultation with the implementing agency.							
ex-post evaluation]									

rmine which of the two, the Moroccan Government, it took two years and nine months to conclude the et of the project.

fi: 1) it was found out that the water quality of the locate alternative water sources, and 2) APD process me.

c longer time to conduct APD than expected.

an additional research with the ODA loan and the

ing agency start the necessary work from this time so

¹ Calculated from the ONEP document. Figures are tentative as the target villages changed.