



**Hashemite Kingdom of Jordan**  
**Construction of Water Earth Ponds in the Jordanian**  
**Badia Project**

**Agreement of Second Year**

**JUNE 2012**

**Final Report**

March 2014

**Prepared by:**

Ministry of Water and Irrigation

Jordan Valley Authority

**Submitted to:**

Ministry of Environment

Badia Restoration Program (BRP)

## ملخص اتفاقية عام 2012

(نهائي)

### معلومات عامة عن الاتفاقية

- قيمة الاتفاقية: ( 2155850 ) دولار وتعادل (1526341.8) دينار . من ضمنها (38000) دولار لجهاز الإشراف وتعادل (26904) دينار.
- مدة الاتفاقية: عام من حزيران 2011 ولغاية حزيران 2012. تم تمديد الاتفاقية لغاية تشرين أول 2013 بموجب كتاب معالي وزير البيئة رقم 5204/2/6 تاريخ 2013/9/19 .
- عدد المواقع: (15) موقع. موزعة حسب الجدول أدناه.
- سعتها التخزينية التعاقدية: (1.45) مليون متر مكعب.
- مجموع تكلفة العطاءات التعاقدية (919930) دينار أردني
- مجموع الدفعات المالية المرحلية (1068439.26) دينار.

### معلومات ملخصة عن مرحلة التنفيذ

- عدد العطاءات (5) عطاءات.
- عدد الحفائر (15) حفيرة.
- سعتها التعاقدية (1.45) مليون متر مكعب.
- سعتها المنفذة حسب الواقع (1.238) مليون متر مكعب.
- نسبة الانجاز الكلية للمشروع (85)%.
- إجمالي المصروف الفعلي على المشروع (مطالبات المقاولين ولجان العطاءات)=(952670.312) دينار
- إجمالي المصروف الفعلي لجهاز الإشراف (26280) دينار.
- إجمالي المصروف الفعلي للمشروع مضافا إليه أتعاب الإشراف (978950.312) دينار.
- الوفر النهائي من الاتفاقية تعاقديا = (547391.488) دينار .
- الوفر النهائي من الدفعات الممنوحة (89488.948) دينار.
- تم استخدام الوفر من الدفعات الممنوحة وقيمته (89488.948) دينار لتنفيذ اتفاقية التمديد الممثلة بـ (الملحق الثاني لهذه الاتفاقية لسنة 2011).
-

رقم العطاء	اسم الحفيرة	السعة حسب العقد 3م (1000)	السعة الفعلية 3م (1000)	نسبة الانجاز %	قيمة العطاء التعاقدية دينار	قيمة العطاء الفعلية دينار
2012/5/ر	الغصين 2	100	98	98	208250	209130
	الجعابرية	100	100	100		
	قاع ظويلة	100	100	100		
	وادي سلحوب	50	50	100		
2012/6/ر	أخضر الدويمي	100	90	90	189600	54996
	الغرة 1	100	0.0	0.0		
	الحصاة 1	100	0.0	0.0		
2011/7/ر	البوهمي	100	100	100	174000	177512.7
	العرقدية	100	100	98		
	غدير الوساد	100	100	105		
2012/10/ر	الابيض 3	100	100	100	143480	143960.5
	قاع الحفير 2	100	100	100		
2012/11/ر	الحسا 2	100	100	100	204600	150592
	الحسا 3	100	100	100		
	الباعجة	100	100	100		
المجموع		1450	1238	85	919930	736191.2

ملاحظة: يرجع للتقرير المفصل لتوضيح أي استفسار.

## “Construction of Stock Water Ponds in the Jordanian Badia”.

### Introduction

Constructing water ponds & Dams in the Badia is a fundamental element of Community Action Plan (CAP) adopted by the Ministry of Environment /Badia Restoration Program. Making water available through constructing water ponds in the Badia is of central importance to livestock owners and the rangeland. As for livestock owners, the availability of water is expected to reduce the cost of raising livestock because the livestock owners will stop driving long distance costing them a lot of money to bring water to their animals. Reducing the traffic movements, in turn, will have indirect on the rangeland areas. Furthermore, constructing water ponds in the Badia can simultaneously reduce soil degradation and erosion and contribute to natural recovery of vegetation. As a result, the Ministry of Environment /Badia Restoration Program signed an agreement in June, 2012 with the Ministry of Water and Irrigation/Jordan Valley Authority to construct 15 stock watering ponds with a total storage capacity of **(1.55)MCM**. The duration of the agreement is one year starting from the date of signing. The agreement grand total is (2,155,850) US\$.

After signing the agreement between the two parties (BRP and MWI), a team from the PMU, and Jordan Valley Authority (JVA) in consultation with representatives from the targeted communities conducted field visits to the targeted watersheds in the Badia in order to select the potential sites for the construction of the proposed ponds.

The MWI planned to implement the proposed 15 ponds in the targeted watersheds: Al-Bandan, Arainbah, Alsafawy & Bayer, as listed in the table below:

Cont.#	Pond			Pond coordinate	Wadi Name	
--------	------	--	--	-----------------	-----------	--

	No.	Pond/Dam Name	Capacity (1000m <sup>3</sup> )	North	East		Watershed Name
R/5/2012	1	Al-Gossain 2	100	°32.4065	°37.9984	Al-Gossain	Al-Bandan
	2	Al-Ja'briah	100	°32.3111	°37.3172	Al-Ja'briah	Aranbah
	3	Qa' thwilah	100	,0366°32	37.3420°	Qa' thwilah	Aranbah
	4	Wadi salhoob	50	,0118°32	37.4293°	Wadi salhoob	Alsafawi
R/6/2012	5	Ekhaider Dwimi	100	30.6078°	36.8216°	Ekhaider Dwimi	Bayer
	6	Al-Gharra 1	100	30.4964°	36.9339°	Al-Gharra	Bayer
	7	Al-Hasat 1	100	30.4554°	37.1284°	Al-Hasat	Bayer
R/7/2012	8	Al-Bobahi	100	°32.1641	°38.2178	Al-Bobahi	Al-Bandan
	9	Al-Arqadiyah	100	°32.0467	°38.3043	Al-Arqadiyah	Al-Bandan
	10	Gadeer Wisad	100	31.8973°	37.9908°	Gadeer Wisad	Al-Bandan
R/10/2012	11	Al Abiad3	100	30.9304°	36.174°	Al Skhriah	Al Qatraneh
	12	Qaa' Al Hafeer/2	100	32.0467°	38.3043°	Qaa' Al Hafeer	Al Qatraneh
R/11/2012	13	Al Hassa /2	100	30.7687°	36.1089°	Al Ba'jah	Al Hassa
	14	Al Hassa /3	100	30.7012°	36.168°	Aldumeithah	Al Hassa
	15	Al Ba'jah	100	30.7718°	36.252°	Al Ba'jah	Al Hassa

Progress of works as listed in the following tables below:

**Contract No. R/5/2012      Completed-- Substantially Handed Over**

Construction of Al-Gossain 2, Al-Ja'brah, Qa' thwilah and Wadi salhoob

Contractor: Ghanem Establ. For Contraction

Contract Amount    JD 208250

Excavation Quantity 350000m3

Contract Duration      Calendar Days 270

Contract Commencement Date 14/10/2012

Name of Bond	Bond Capacity	Bond Commencement Date	Executed Quantities To Date M3	Excavation Progress	Contract Completion Date	Actual Contract Completion Date	Progress JD	Tender Committee JD	Total Payments JD
Al-Gossain 2	100	20/2/2013	98000	98%	24/8/2013	24/8/2013	275499.112	880	276379.112
Al Ja'brah	100	1/8/2013	100000	%100					
Qa' thwilah	100	14/10/2012	100000	%100					
Wadi salhoob	50	2012/11/5	50000	%100					

- Actual Contract Progress (100%)
- Original Completion date of the Contract has been extended up to 24/8/2013 in accordance with the public works and housing Circular.
- **Completed-- Substantially Handed Over**

**Contract No. R/6/2012 Completed in the Contract terminated from 4/4/2013 in accordance to Clause 12/1 Contractors Default.**

Construction of Ekhaider Dwimi, Al-Gharra 1, Al-Hasat 1

Contractor: **AL HAJAN COMPANY**

Contract Amount 189600 JD

Excavation Quantity 300000m3

Contract Duration 240 Calendar Days

**Contract Commencement Date 14/11/2012**

Name of Bond	Bond Capacity	Bond Commencement Date	Executed Quantities To Date M3	Excavation Progress	Contract Completion Date	Actual Contract Completion Date	Progress JD	Tender Committee JD	Total Payments JD
Ekhaider Dwimi	100	14/11/2012	90000	(31/03/2013) 90%	11/7/2012	Contract Termination 4/4/2013	54036	960	54996
Al Gharra 1	100	----	0	-----					
Al Hasat 1	100	----	0	-----					

- Contractors Invoice No. 1 with an amount of (18012)JD was certified and paid to the Contractor for the works executed until 23/12/2012.
- Contractors Invoice No. 2 with an amount of (18012)JD was certified and paid to the Contractor for the works executed until 23/2/2013.
- Contractors Invoice No. 3 with an amount of (18012)JD was certified and paid to the Contractor for the works executed until 21/3/2013.
- No more progress since 31/3/2013 till 31/5/2013 because the Contractor remove all his equipments from the site on 4/4/2013 to Amman without any prior notification or coordination with the Employer due to the area residency ambiguities and arguments as the Contractor stated. In his letter ref: 27/R/6/2013 dated 30/4/2013, the Contractor asked for Contract termination, the case studied and the Contractor request rejected via our letter Ref: JVA/8/1/3897 dated 14/5/2013 and requested to resume the works as soon as possible.
- No more progress up to date, JVA dealing with the case in accordance to the Contract Documents Clause 12/1 (Contractors Default), Tow letters issued to the Contractor in this regard ( JVA/8/1/4446 & JVA/8/1/5210 Dated 2/6/2013&26/6/2013 respectively).
- JVA letter Ref: JVA/1/17/4971 dated 19/6/2013 issued to JVA Legal Adviser to have his opinion in respect of the matter.
- The Legal Adviser approved all measures taken by JVA in respect of the Contractor's Default in accordance to the Contract Documents Clause 12/1 , based on that a technical committee formed to act accordingly.
- The Technical Committee completed the works and the report raised to his Excellency the Secretary General for final approval.
- The Technical committee report approved by his Excellency the Secretary General and addressed to the Financial Department for action.
- **Completed in the Contract terminated from 4/4/2013 in accordance to Clause 12/1 Contractors Default.**

**Contract No. R/7/2012    Completed-- Substantially Handed Over Stage**

Construction of Al-Bobahi, Al-Arqadiah & Gadeer Wisad

Contractor: Ghanem Establ.

Contract Amount 174000 JD

Excavation Quantity 300000m3

Contract Duration 240 Calendar Days

Contract Commencement Date 2/12/2012

Name of Bond	Bond Capacity 1000 m3	Bond Commencement Date	Executed Quantities To Date M3	Excavation Progress	Contract Completion Date	Actual Contract Completion Date	Progress JD	Tender Committee JD	Total Payments JD
Al Bobahi	100	20/4/2013	100000	100%	29/7/2013	30/6/2013	264074.7	720	264794.7
Al Arqadiah	100	27/1/2013	98000	%98					
Gadeer Wisad	100	2012/12/2	105000	%105					

- **Completed-- Substantially Handed Over Stage**



**Contract No. R/10/2012      Completed- Substantially Handed Over on 25/7/2013.**

Construction of Al Abyad 3 & Qaa' Al Hafeer

Contractor: **Ardal Company for Engineering & Contraction**

Contract Amount 143480 JD

Excavation Quantity 200000m3

Contract Duration 180 Calendar Days

Contract Commencement Date 5/2/2013

Name of Bond	Bond Capacity 1000 m3	Bond Commencement Date	Executed Quantities To Date M3	Excavation Progress	Contract Completion Date	Actual Contract Completion Date	Progress JD	Tender Committee JD	Total Payments JD
Al Abyad 3	100	5/2/2013	100000	(18/4/2013) 100%	2012/8/3	25/7/2013	143000.5	960	143960.5
Qaa' Al Hafeer	100	19/4/2013	100000	(30/6/2013) 100%					

- Contractors Invoice No. 1 with an amount of (23773.75) JD was certified and paid to the Contractor for the works executed until 24/2/2013
- Contractors Invoice No. 2 with an amount of (18339.75) JD was certified and paid to the Contractor for the works executed until 17/3/2013
- Contractors Invoice No. 3 with an amount of (19019) JD was certified and paid to the Contractor for the works executed until 31/3/2013
- Contractors Invoice No. 4 with an amount of (20377.5) JD was certified and paid to the Contractor for the works executed until 15/5/2013
- Contractors Invoice No. 5 with an amount of (16981.25) JD was certified and paid to the Contractor for the works executed until 5/6/2013
- Contractors Invoice No. 6 with an amount of (23773.25) JD was certified and paid to the Contractor for the works executed until 27/6/2013
- Contractors Invoice No. 7 with an amount of (10189.25) JD was certified and paid to the Contractor for the works executed until 25/7/2013
- Contractors Invoice No. 8 (final) with an amount of (10546.25) JD was certified and paid to the Contractor
- Substantially handed over on 25/7/2013, the maintenance period (365days) started from 25/7/2013.

**Completed- Substantially Handed Over**

Contract No. R/11/2012 **Completed- Substantially Handed Over Stage**

Construction of Al Hassa 2& Al Hassa 3& Al Baejeh

Contractor: Salem Thyab Al Tarawneh Company

Contract Amount 204600 JD

Excavation Quantity 300000m3

Contract Duration 240 Calendar Days

The Site Handed Over to the Contractor on 28/1/2013

Contract Commencement Date 5/2/2013

Name of Bond	Bond Capacity 1000 m3	Bond Commencement Date	Executed Quantities To Date M3	Excavation Progress	Contract Completion Date	Actual Contract Completion Date	Progress JD	Tender Committee JD	Total Payments JD
Al Hassa 2	100	2013/2/7	100000	100%	2013/10/2	2013/11/13	211820	720	212540
Al Hassa 3	100	4/5/2013	100000	100%					
Al Baejeh	100	2013/8/20	100000	100%					

Original Completion date of the Contract has been extended up to 16/11/2013 in accordance with the public works and housing Circular no.63/1/11225 Dated 28/3/2013.

**Completed- Substantially Handed Over Stage**