



water affairs
Department
Water Affairs
REPUBLIC OF SOUTH AFRICA



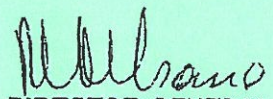
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MINISTER OF WATER AND ENVIRONMENTAL AFFAIRS

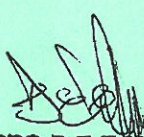
NATIONAL ASSEMBLY: QUESTION 1054 FOR WRITTEN REPLY

A draft reply to the above question asked by Mrs A Steyn (DA) is attached for your consideration.

Act 
DIRECTOR-GENERAL

DATE: 14/08/12


DRAFT REPLY APPROVED/~~AMENDED~~


MRS B E E MOLEWA, MP
MINISTER OF WATER AND ENVIRONMENTAL AFFAIRS

DATE: 2012/05/14

NATIONAL ASSEMBLY

FOR WRITTEN REPLY

QUESTION NO 1054

DATE OF PUBLICATION IN INTERNAL QUESTION PAPER: 04 MAY 2012
(INTERNAL QUESTION PAPER NO. 11)

1054. Mrs A Steyn (DA) to ask the Minister of Water and Environmental Affairs:

Whether her departments have funded the (a) construction or (b) maintenance of any (i) dams or (ii) canals for the revitalisation or irrigation schemes (aa) in the (aaa) 2009-10, (bbb) 2010-11 and (ccc) 2011-12 and (bb) during the period 1 April 2012 up to the latest specified date for which information is available; if not, why not; if so, (aaaa) how many projects were funded, and (bbbbb) in respect of each province and municipality what was the total cost for each project and the purpose of each specified dam? NW1238E

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REPLY:

Yes, the department has funded the construction of dams. Maintenance and rehabilitation of dams is funded through the Dam Safety and Rehabilitation Programme introduced in 2005.

- (i) Refer to **Annexure A** for the list of Irrigation schemes
- (ii) Refer to **Annexure B** for the list of Canals constructed
- (iii) Refer to **Annexure C** for the list of dams rehabilitated. The Department constructed one dam in the Free State, Balancing Dam S1 on the Orange-Riet Canal since 2009 and will be completed in 2013.

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IRRIGATION SCHEMES

EASTERN AND WESTERN CAPE

1 Qamata Government Water Scheme

The scheme receives water from the Lubisi Dam and has an irrigable area of 1 959ha. The scheme consists of 33 irrigation dams, 3 balancing dams and 25km of canals. The scheme supplies irrigation water only.

Work on the scheme commenced in 2001, with the desilting of canals and irrigation dams. Because of the high silt content of the water, the DWA has since 2001 been relining all irrigation dams with concrete, to facilitate desilting of these dams and thus lower the cost of the maintenance required on them. To date the relining of 21 of the irrigation dams have been completed at a cost of R110 million. The remaining 12 irrigation dams as well as the two balancing dams are planned for completion in 2016 at a further cost of R90 million, bringing the total cost to R200million.

The rehabilitation of the canals is in the initial planning stage. Work on the canals will commence once the relining of the irrigation dams are complete.

The scheme is situated in the Intsika Yethu Local Municipality which is in turn situated in the Chris Hani District Municipality.

2 Ncora Government Water Scheme

The scheme receives water from the Ncora Dam and has an irrigable area of 5 000ha. The scheme consists of pipelines, 15km of canals and nine irrigation dams. The scheme also supplies water to ESKOM for the generation of hydropower.

Minor work was done on the scheme between 2001 and 2005. Since 2006 the DWA started with the relining of the irrigation dams. To date five of the dams have been relined with concrete at a cost of

R49 million. The remaining four irrigation dams will be completed by 2015, at a further cost of R53 million, bringing the total cost to R102 million.

The rehabilitation of the canals is in the initial planning stage. Work on the canals will commence once the relining of the irrigation dams are complete.

The scheme is situated in the Intsika Yethu Local Municipality which is in turn situated in the Chris Hani District Municipality.

3 Gamtoos Government Water Scheme

The scheme receives water from the Kouga Dam and has an irrigable area of 8000ha. The scheme consists of the Kouga Dam, 64km of canals, pipelines and tunnels and ends at Loerie Dam. A third of the scheme's water is supplied to the Nelson Mandela Bay Municipality and is used for domestic purposes, the rest of the water is used for irrigation.

The main conveyance system of the scheme was rehabilitated at a cost of R189 million.

The scheme is situated in the Kouga Local Municipality which is in turn situated in the Cacadu District Municipality.

.4 Keiskammahoek Government Water Scheme

The scheme receives water from the Cata and Mnyameni Dams and has an irrigable area of 819ha. The scheme is currently operational, but problems are being encountered with the bulk supply line from Cata Dam. A part of the bulk supply line will be replaced in 2012 at a cost of R7,5 million.

The scheme is situated in the Matzikama Local Municipality which is in turn situated in the Amatole District Municipality.

.5 Goukou Government Water Scheme

The scheme receives water from the Goukou River and has a total irrigable area of ha. The rehabilitation work commenced in 2008 and consisted of the replacement of an inverted siphon pipeline. Work was completed in 2011 and the total project cost was R10 million.

The scheme is situated in the Hessequa Local Municipality which is in turn situated in the Eden District Municipality

.6 Olifants River (Vanrhynsdorp) Government Water Scheme

The scheme supplies water to the Lower Olifants River Water User Association from Clanwilliam Dam. The scheme supplies mostly irrigation water but also supplies the towns of Clanwilliam and Vredendal with domestic water.

The DWA undertook to replace two inverted siphon pipelines on the scheme. One of the pipelines have been completed at a cost of R20 million, while the other will be replaced in 2012. The total cost of the project is estimated at R32 million.

The scheme is situated in the Matzikama Local Municipality which is in turn situated in the West Coast District Municipality

KWAZULU

Most of the schemes have been transferred to the Irrigation boards or Water User Associations. Where the infrastructure has not been transferred to the specific institutions, some arrangements have been made for the Operations and Maintenance functions to be done by such institutions.

ANNEXURE B

(ii) List of CANALS

FREE STATE, NORTH WEST, LIMPOPO AND GAUTENG

Operational Office	Project	Project	Province	Municipality	Actual & Planned Expenditure:			
					2009/10	2010/11	2011/12	2012/13
Central	Kalkfontein	Rehabilitation S196 Canal	Free State	Letsemeng	4,091,010.97	3,701,337.28	1,559,155.78	1,559,155.78
Central	Sand-Vet	Rehabilitation of canal system	Free State	Masilonyana/Lejweleputswa	5,018,781.04	4,889,563.67	5,286,230.41	9,000,000.00
Central	Orange- Riet	Scheiding Pump set	Free State	Letsemeng	0.00	0.00	4,462,688.61	0.00
Central	Mooi River	Rehabilitation of canal	North west	Tlokwe	0.00	10,000,000.00	10,000,000.00	17,500,000.00
Northern	Klein Maricopoort GWS	Rehabilitation and Maintenance on canal system	North west	Ramotshere Moiloa	0	860,500.00	0	0
Northern	Bo-Molopo GWS	Maintenance on canal/pipeline system	North west	Mafikeng and Ditsobotla	0	172,100.00	0	0
Northern	Lindleyspoort GWS	Rehabilitation of canal system	North west	Kgetlengrivier	357,245.00		1,233,100.00	16,027,901.00
Northern	Buffelspoort GWS	Rehabilitation of canal/pipeline system	North west	Rustenburg	0	0	0	6,162,747.00
Northern	Pienaars River GWS	Rehabilitation of canal system	Gauteng	Tshwane	0	1,268,581.00	0	0
Northern	Albasini GWS	Rehabilitation Levubu main canal	Limpopo	Vhembe	8,457,527.00	1,838,228.00	0	0
Northern	Nzhelele GWS	Replacement of Alicedale Syphon	Limpopo	Vhembe	1,801,946.00	0	546,800.00	20,000,000.00
Northern	Politsi GWS: Magoebaskloof Dam	Replace rotten Vergelegen canal with pipe line	Limpopo	Mopani	6,22,623.00	0	0	0
Northern	Middle Letaba Canal	Rehabilitation of canal	Limpopo	Mopani	2,884,849.00	5,528,039.00	3,140,552.00	0

ANNEXURE C

(iii) List of dams rehabilitated

	Dam Name	Province	District Municipality	Period of Funding	Total project Cost (Rands)	Purpose of each dam
1	Mashashane Dam	Limpopo	Capricorn	2009-2011	19,461,000.00	Irrigation, stock watering, and domestic water supply
2	Makotswane Dam	Limpopo	Sekhukhune	2006-2009	25,400,000.00	Irrigation, stock watering and domestic water supply
3	Piet Gouws Dam	Limpopo	Sekhukhune	2006-2009	42,500,000.00	Irrigation, stock watering and domestic water supply
4	Nsami Dam	Limpopo	Mopani	2007-2012	163,000,000.00	Irrigation, stock watering and domestic water supply
5	Rust de Winter Dam	Limpopo	Waterberg	2009-2012	35,767,000.00	Irrigation, stock watering and mining
6	Gcuwa Dam	Eastern Cape	Amathole	2008-2010	32,000,000.00	Irrigation and domestic water supply
7	Mankazana Dam	Eastern Cape	Amathole	2009-2010	20,286,000.00	Domestic and agriculture: Stock watering
8	Elandsdrift Barrage	Eastern Cape	Amathole	2010 – 2013	75,323,000.00	Irrigation and domestic water supply
9	Grassridge Dam	Eastern Cape	Chris Hani	2010 -2013	56,423,000.00	Irrigation and domestic water supply
10	Glen Brock Dam	Eastern Cape	Chris Hani	2009-2010	25,600,000.00	Irrigation
11	Magwa Dam	Eastern Cape	O.R. Tambo	2009-2011	17,715,900.00	Irrigation

12	Goederfrouw Dam	KwaZulu Natal	Uthungulu	2007-2007	1,812,805.00	Domestic, industrial, irrigation, fishing and tourism
13	Albert Falls Dam	KwaZulu Natal	Umgungundlovu	2009-2010	9,005,141.00	Irrigation, fishing, sport, industry and recreation
14	Midmar	KwaZulu Natal	Umgungundlovu	2007-2009	24,905,462.00	Domestic, irrigation, recreation, fishing, sport, tourism, industry
15	Pongolapoort Dam	KwaZulu Natal	Zululand	2007-2008	6,300,000.00	Irrigation
16	Vanderkloof Dam	Northern Cape and Free State	Pixley ka Seme and Xhariep	2007-2008	8,511,771.00	Irrigation, domestic, industry, mining, recreation, hydro-power, tourism, fishing and sport
17	Kamanassie Dam	Western Cape	Eden	2008-2009	9,380,494.00	Irrigation
18	Stompdrift Dam	Western Cape	Eden	2012 -2015	5,000,000.00	Irrigation
19	Vaalkop Dam	North West	Bojanala Platinum	2007-2009	22,932,865.00	Recreation, fishing, water sports, irrigation
20	Klipdrift Dam	North-West	Dr Kenneth Kaunda	2006-2007	8,200,000.00	Irrigation
21	Lakeside Dam	North West	Dr Kenneth Kaunda	2008-2009	57,678,000.00	Irrigation
22	Taung Dam	North West	Dr Ruth Segomotsi Mompoti	2007-2009	13,800,000.00	Irrigation and alluvial diamond mining
23	Wentzel Dam	North West	Dr Ruth Segomotsi Mompoti	2007-2009	21,000,000.00	Irrigation
24	Kromellenboog Dam	North West	Dr Ruth Segomotsi Mompoti	2008-2009	10,873,000.00	Irrigation