



## water & sanitation

Department:  
Water and Sanitation  
REPUBLIC OF SOUTH AFRICA

EdTM

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Reference: 6/2/2/6

### MINISTER OF WATER AND SANITATION

### NATIONAL ASSEMBLY: QUESTION 1446 FOR WRITTEN REPLY

A draft reply to the above mentioned question asked by Ms Z Jongbloed (DA) is attached for your consideration.

*NBE*  
*lisa*

DIRECTOR-GENERAL (acting)

DATE: 24 April 2016

DRAFT REPLY APPROVED/AMENDED

*NP*

MRS NP MOKONYANE  
MINISTER OF WATER AND SANITATION

DATE: 31.05.16

NATIONAL ASSEMBLY

FOR WRITTEN REPLY

QUESTION NO 1446

DATE OF PUBLICATION IN INTERNAL QUESTION PAPER: 13 MAY 2016  
(INTERNAL QUESTION PAPER NO. 14)

**1446. Ms Z Jongbloed (DA) to ask the Minister of Water and Sanitation:**

- (1) With reference to the severe drought that the Kannaland Local Municipality in the Western Cape experienced towards the end of the 2014-15 financial year, what plans have been put in place by (a) her department and (b) the local municipality to ensure long-term water security in the specified municipality;
- (2) whether any (a) additional boreholes were drilled and/or (b) existing boreholes were upgraded in the specified municipality (i) in the 2014-15 financial year and (ii) since 1 July 2015; if not, in each case, why not; if so, (aa) how many boreholes were (aaa) drilled and/or (bbb) upgraded, (bb) how much did it cost, (cc) what was the average expenditure for each borehole, (dd) from which budget(s) was the money taken and (ee) how much water, in litres per second, does each specified borehole deliver;
- (3) whether the rate of water flow from the specified boreholes is economically viable; if not, why not; if so, what are the relevant details;
- (4) whether the construction of a new dam to service the specified local municipality is being considered; if not, why not; if so, (a) what is the expected costs of such a dam and (b) when will construction commence?

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**REPLY:**

- (1) My Department has assisted the Kannaland Local Municipality to diversify its supply sources to ensure long-term water security. By supporting the development of groundwater, my Department ensured that the town is no longer reliant on surface water flow and storage; which is highly vulnerable in times of drought. Conjunctive management of groundwater and surface water sources is now possible. This provides new possibilities to optimise the use of both surface and groundwater storage seasonally and during periods of drought.
- (2) Yes, additional boreholes were drilled in the 2014-15 financial year with No additional boreholes drilled since 01 July 2015.

Refer to the table below:

	Total	(bb) Cost	(cc) Average expenditure	(dd) From which budget
(aa)(aaa) How many boreholes were drilled	12	R14, 5 million was spent to drill boreholes	The average expenditure for each borehole was R600 000.00	The infrastructure was funded through Regional Bulk Infrastructure Grant (RBIG).
(aa)(bbb) How many boreholes were upgraded	No existing boreholes were upgraded since 01 July 2015 because sufficient groundwater has been developed to bridge the drought in the short-term.			

(2)(ee) Refer to the table below for how much water, in litres per second, each specified borehole deliver.

<b>Borehole No</b>	<b>Yield (l/sec)</b>
LSM(pre- existing)	4
<i>T1 (drilled 2013)</i>	-
<i>T2 (drilled 2013)</i>	1.7
<i>T3 (drilled 2013)</i>	2.0
T4	4.5
T5	2
T6	8.5
T6 (a)	0.5
T7	2
T7 (a)	2
T8	2
T8a	4
T10	8.5
<b>TOTAL</b>	<b>37.7 l/sec</b>

(3) Yes, the yields are economically viable. The yields need to be refined based on long-term testing /operation of the wellfield. Operational for one year, which commenced in April 2015.

(4)(a) Yes, the construction of a new dam is being considered.

(4)(b) The completion of implementation readiness study subsequent to feasibility study will assist to finalise the cost, sources of funding, and the timelines. The feasibility study is at final stage.

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