



**MINISTRY:
HUMAN SETTLEMENTS, WATER AND SANITATION
REPUBLIC OF SOUTH AFRICA**

NATIONAL ASSEMBLY

FOR WRITTEN REPLY

QUESTION NO 929

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(INTERNAL QUESTION PAPER NO. 16)

929. Ms E L Powell (DA) to ask the Minister of Human Settlements, Water and Sanitation:

What steps does her departments intend to take to (a) immediately remedy the total lack of clean running water which is experienced by more than 108 villages in Limpopo (details furnished) and (b) ensure that clean, piped water is immediately made accessible to residents of all 100 villages for which the Lepelle Northern Water Board is responsible for water provision?

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MINISTER OF HUMAN SETTLEMENTS, WATER AND SANITATION

The Department of Water and Sanitation working together with various municipalities that are Water Service Authorities (WSA) in the Limpopo Province have and continue to implement a number of projects to remedy the lack of clean running water in the Limpopo Province. The Honourable Member is referred to **Annexure A**, attached, which indicates the eight Regional Bulk Infrastructure projects which have either been completed or are being implemented.

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PROJECT DETAILS	PROGRESS
<ul style="list-style-type: none"> • MOGALAKWENA BULK WATER SUPPLY (BWS) PROJECT in Mogalakwena Local Municipality <p>The Mogalakwena BWS project was initiated to address water supply challenges in the Mogalakwena area to ensure distribution of bulk water from Olifants River Water Resources Development Project (ORWRDP). The ORWRDP phase 2B entails construction of pipeline from Flag Boshielo to Pruissen which is located 13 km south of the Mokopane Town. The initial target year for completion was 2015.</p> <p>The components of the project are as follows:</p> <ul style="list-style-type: none"> • Phase 1: Operationalise infrastructure within the southern supply areas operational while awaiting Flag Boshielo Water. • Phase 2A: Interim water supply via newly identified groundwater resources into Northern Supply areas to supply water at free basic level while awaiting Flag Boshielo supply. • Phase 2B: Extending phase 2A infrastructure to increase supply area and include other groundwater resources currently being used within the well field areas. • Phase 3: Linking the water supply from Flag Boshielo to the infrastructure provided under previous phases once Flag Boshielo Water is available. • Phase 4: Increasing of capacities to cater for future growth based on 2045 development scenarios (i.e. further phases of treatment works, further storage reservoirs, etc.). <p>The overall project is planned to ultimately provide 15 Mm³/a of potable water to 227 840 people in 135 villages. Thirty Eight (38) villages resident to 94 457 people will benefit water from the current phase of the project under construction.</p>	<ul style="list-style-type: none"> • Due to mines not signing offtake agreements which would have enabled TCTA raise commercial funding, there were delays in the implementation of the construction of the pipeline to deliver water from Flag Boshielo to Pruissen. Subsequently, the Mogalakwena Local Municipality has reviewed the overall project design to accommodate the utilisation of the locally available water resources which are mainly ground water in a form of wellfields and the water from the Doorndraai Dam • Implementation of the project commenced in 2007/2008 financial year and the target date for the completion of Phase 2A is March 2021. • Phase 1 has been completed but not commissioned due to insufficiency of water from the Doorndraai Dam which is currently below 10%. Phase 2A of the project, which includes groundwater development will augment water supply in the Northern supply area.
<ul style="list-style-type: none"> • Giyani Water Services project in Mopani District Municipality <p>The Giyani project was initiated to address water and sanitation challenges faced by the community of Giyani. This was due to perceived failed infrastructure perpetuated by experienced drought conditions that affected the yield of both Nsami and Middle Letaba dams that serves as the primary water sources to the Giyani community. The scope of the project which was implemented in a phased approached to progressively address water and sanitation challenges.</p>	<p>Completed work includes:</p> <ul style="list-style-type: none"> • Refurbishment of existing water and Sanitation infrastructure including pump stations, repairs of leaking pipes and reservoirs, groundwater development and installation of package plants for immediate supply to social facilities (incl. Nkhensani Hospital)

PROJECT DETAILS	PROGRESS
	<ul style="list-style-type: none"> • Revitalization of 154 boreholes to supply water to 89 villages in Giyani; currently a total of 48 boreholes have been completed and are benefiting 28 villages. • Refurbishment of existing water and sanitation infrastructure and construction of 1,5MI/d WWTW was completed 2015/16. However, subsequent to completion some of the components are already impaired due to maintenance neglect, vandalism and theft. The system is currently functional but operation and maintenance remain a concern. • 300km out of 325km of pipeline having been laid and is sectionally operational. The operational section is currently serving 11 villages and Giyani town. <p>Work in progress:</p> <ul style="list-style-type: none"> • 97 boreholes intended to benefit 55 villages are incomplete and there are major defects to the package plants due to the brackish ground water that caused the clogging of the membranes. • A total of 9 boreholes to benefit 6 villages are currently being investigated to verify the yield. • Replacement of inefficient bulk water supply pipelines that supply water to 89 (contrary to the recorded 55 villages) villages in and around Giyani (about 325 km of pipeline). • About 25km of pipe laying is still pending, which comprises mostly of river crossings and also construction of valve chambers that joins the pipeline for functionality. The entire project is anticipated to be completed in September 2020.
<ul style="list-style-type: none"> • Nandoni to Nsami pipeline in Mopani District Municipality <p>The Nandoni to Nsami pipeline project was initiated to augment water supply to the Giyani area. The project entails construction of bulk pipeline from the Nandoni Water Treatment Works (WTW) to augment the Nsami system and provide water to the communities alongside the pipeline route. The project scope includes construction of 49km pipeline from Nandoni WTW to Giyani, and includes a secondary pipeline to Malamulele.</p>	<ul style="list-style-type: none"> • Overall project progress is currently at 46%. • Completion is anticipated in 2020.

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<p>Upon completion, the project will benefit 55 villages Giyani and 13 villages in Malamulele.</p>	
<ul style="list-style-type: none"> Mametja Sekororo Bulk Water Supply project in Mopani District Municipality <p>The Mametja Sekororo BWS was initiated with objective of addressing water supply challenges in 28 villages within the Marulaneng Local Municipality in the Mopani District. The scope of the project includes construction of:</p> <ul style="list-style-type: none"> A 19km raw water pipeline from the Blyde system. A16kl/d water treatment works. <p>A command reservoir and bulk water supply pipeline to 28 villages in Marulaneng Local Municipality.</p>	<ul style="list-style-type: none"> The first functional phase that will benefit 2 villages (the Oaks and Finale) is completed and was pumping water to the villages. However the cable was recently stolen and we are currently awaiting the replacement. The contractor has beefed up on the security services to guard the facility to avoid future cable theft. The hand over process to the municipality is anticipated by end of March 2020.
<ul style="list-style-type: none"> Mooihoek Bulk Water Supply project Sekhukhune District Municipality <p>The Mooihoek/Tubatse BWS project consists of construction of a WTW, reservoirs, pump stations and bulk pipelines to convey water to different villages including town within the Tubatse LM. The project is driven by the social and economic circumstances of these areas; the urgent need for socio-economic development as well as existing and planned mining operation expansions.</p> <p>Upon completion in 2021, the project will benefit 13 villages with estimated population of about 100 000 people.</p>	<p>Completed work:</p> <ul style="list-style-type: none"> Phases 1 to 3 of the project, including the WTW & pipelines that benefit 3 villages (Praktiseer, Bothashoek & Mashamotane). <p>Work in progress:</p> <ul style="list-style-type: none"> The remaining component (phase 4) is still under construction and subject to availability of funding, will be completed by March 2021. Full functionality of the system depends on completion of the ORWRDP phase 2C & D that will convey water from De Hoop dam to Mooihoek as well as the upgrading of Mooihoek WTW.
<ul style="list-style-type: none"> Nebo Bulk Water Supply project Sekhukhune District Municipality <ul style="list-style-type: none"> The Nebo bulk water supply project consists of construction of bulk water pipelines, reservoirs and pumps stations to convey water from Ga-Malekana WTW to Schoornoord, Jane Furse, Marulaneng and Lobethal. The project was initiated with intentions to distribute water from De Hoop dam to benefit the communities within the Nebo Plateau. 	<p>Completed work</p> <p>The pipeline from De Hoop and the water treatment works at Ga-Malekana are completed and partially commissioned to supply villages of Ga Masha and Ga Maphopha.</p> <p>Work in progress:</p>

PROJECT DETAILS	PROGRESS
	<p>The overall project progress is 83% and construction is in progress for Makgeru to Schoornoord pipeline which will supply water to Makgane, Tshehlwaneng & Schoornoord. This phase of the project is anticipated to be completed by February 2020.</p>
<ul style="list-style-type: none"> • Moutse Bulk Water Supply project in Sekhukhune District Municipality <p>The Moutse BWS project consists of construction of WTW, reservoirs, pump stations and bulk pipelines to convey water to different villages including town within Elias Motswaledi and Ephraim Mogale Local Municipalities.</p>	<ul style="list-style-type: none"> • The project was initiated in 2011 and completion was anticipated by June 2019. • The project encountered challenges related to contractual dispute between the Sekhukhune District Municipality and the Professional Service Provider (PSP). • The Municipality is in the process of resolving the dispute. • The overall project progress is over 90%. Subject to the availability of funding, completion is anticipated by May 2020.
<ul style="list-style-type: none"> • The Polokwane Bulk Water Supply project in Polokwane Local Municipality <p>The Polokwane BWS project was initiated with objective of addressing water challenges in Polokwane, Annandale and Seshego. The project objective was to replace the old asbestos pipelines that contribute to high water loss in Polokwane. In addition, the new networks were designed to cater for current and future water demands. The respective replacement lengths of water reticulation network are allocated as follows:</p> <ul style="list-style-type: none"> • Annandale - 24 400m, • Seshego (B&C) - 75 900m area • Polokwane CBD - 80 700m. 	<ul style="list-style-type: none"> • The project was initiated in 2016 and completed in July 2019 and is currently functional making impact on water loss reduction. • The project is benefiting over 5000 households in Polokwane, Annandale and Seshego.

PROJECT DETAILS	PROGRESS
<ul style="list-style-type: none"> Sinthumule Kutama Bulk Water Supply project in Vhembe District Municipality The Sinthumule Kutama project is part of the Luvuvhu Government Water Scheme. The project entails the implementation of the Bulk Water Supply (BWS) for Makhado; the Air Force Base and its residential area; the Sinthumule Kutama villages to the west of Makhado Town which includes all extensions in the town; Tshikota and the Kutama Sinthumule Maximum Security Prison. The project incorporates the Valdezia reservoir, and extends 29 km to the east of Makhado to the villages of Sinthumule and Mabudu 30 km west of Makhado Town. The project scope includes construction of gravity and pumping mains, reservoirs and pump station to convey water from Nandoni Water Treatment Works to areas within Sinthumule Kutama. The project will benefit about 22105 households in 39 villages within Sinthumule Kutama on completion 	<p>The project is currently under construction and the overall progress is at 58%. Completion of the project is anticipated by October 2020. It is important to indicate that, the functionality of the scheme will depend on the completion of Luvuvhu Government Water Scheme project which is on hold due to financial constraints.</p>