



## water & sanitation

Department:  
Water and Sanitation  
REPUBLIC OF SOUTH AFRICA



EdTM

Enquiries: Zandile Mathe  
Telephone: 012 336 7305  
Reference: S4/2/3/1

**MINISTER OF WATER AND SANITATION**

**NATIONAL ASSEMBLY: QUESTION 1194 FOR WRITTEN REPLY**

A draft reply to the above mentioned question asked by Mr L J Basson (DA) is attached for your consideration.

**DIRECTOR-GENERAL**

DATE: 9/5/16

**DRAFT REPLY APPROVED/AMENDED**

**MRS NP MOKONYANE  
MINISTER OF WATER AND SANITATION**

DATE: 28/05/2016.

NATIONAL ASSEMBLY

FOR WRITTEN REPLY

QUESTION NO 1194

DATE OF PUBLICATION IN INTERNAL QUESTION PAPER: 22 APRIL 2016  
(INTERNAL QUESTION PAPER NO. 12)

**1194. Mr L J Basson (DA) to ask the Minister of Water and Sanitation:**

- (1) Whether any of the Cuban engineers who were imported by her department in February 2015 to work on water projects have completed any projects to date; if not, why not; if so, what are the relevant details in each case;
- (2) (a) what are the full details of each project that each of the specified Cuban engineers are currently working on and (b) when will each project be completed;
- (3) (a) what is the total number of Cuban engineers who are currently contracted by her department and (b) what are the current costs of contracting the specified Cuban engineers in terms of (i) salaries, (ii) accommodation, (iii) transport costs and (iv) any other relevant expenses?

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**REPLY:**

- (1) Yes there are completed projects, refer to **Annexure A**.
- (2) Refer to **Annexure B** for the list with full details of each project that each of the specified Cuban engineers are currently working on and possible completion dates for each project.
- (3) My Department has employed a total of 35 Cuban engineers.
  - (3)(i) The total salaries costs is R 10 417 974.00.
  - (3)(ii) The total accommodation costs is R 8 333 409.00.
  - (3)(iii) The total transport costs is R 581 901.00.
  - (3)(iv) The total of other expenses is R 529 447.00.

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Annexure A

NO	PROVINCE/ AREA OFFICE/ CLUSTER	LIST OF PROJECTS AND LOCATION	Project Completed and date	Projects Ongoing and possible date of completion
5	Northern Cape Eastern Cape in King Williams Town	Stydenburg Bulk Water Scheme (Thembellile LM) Eastern Cape in King Williams Town	Dec-15 1. Sanitation Bucket Eradication Programme 2015/16: <b>Ndlambe Municipality at Nematso</b> for 1310 Erven; <b>Sundays River Valley Municipality (Paterston)</b> for 1245 erven; <b>Makana Municipality (Joza)</b> : 600 erven 2. Support Resource Poor Farmers: Assessment of Amagasela Piggery regarding need for water supply and an effluent treatment facility; Masande Lelithu Primary Agric-cooperative investigation of its water supply need; Perkshoek & Ndayana farm's need for irrigation water of 90Ha of irrigable area; Zatzshoba Agricultural Project in Makana Municipal area a project for cattle & goat - assessment of water supply infrastructure.	1. Ndlambe (Nematso): Sewer network (100%); Toilet structures 1390 units (100%); Toilet flushing 1390 units (85%); 2. Makana (Joza): Water reticulation (17%); Sewer network (21%); Toilet structures 656 units (45%); Toilet flushing (0%); 3. SRVLM (Paterston): Water reticulation (100%); Sewer network (100%); Toilet structures 1245 units (92%); Toilet flushing (0%); 4. Feasibility study for Amagasela piggery (100%)
6	Hartbeespoort Area Office	KROMELLENBOOG DAM -ROODEPLAAT TRAINING CENTER	2015 2015	
9	Gauteng/ Central Operations	Resource Management Plans for Vygeboom, Woodstock, Heyshope and Nooiegedaght dams. Release of Water from Sterkfontein dam to Vaal dam. Occupational Health & Safety (Medical surveillance project). Installation of meters project.	Release of water from Sterkfontein Dam to Vaal Dam, completed on 14 January 2016.	Resource Management Plans for Vygeboom, Woodstock, Heyshope and Nooiegedaght dams, <b>Completion date May 2017</b> . Occupational Health & Safety (Medical surveillance project) Completion date <b>31 December 2017</b> . Installation of Water meters project <b>Completion date for Phase 31 December 2016</b> Upgrade of the Viakfontein Canal its a multi year project.
10	Gauteng/ Central Operations	Resource Management Plans for Vygeboom, Woodstock, Heyshope and Nooiegedaght dams. Release of Water from Sterkfontein dam to Vaal dam. Occupational Health & Safety (Medical surveillance project). Installation of meters project.	Release of water from Sterkfontein Dam to Vaal Dam, completed on 14 January 2016.	Resource Management Plans for Vygeboom, Woodstock, Heyshope and Nooiegedaght dams, <b>Completion date May 2017</b> . Occupational Health & Safety (Medical surveillance project) <b>Completion date 31 December 2017</b> . Installation of Water meters project <b>Completion date for Phase 31 December 2016</b> Upgrade of the Viakfontein Canal its a multi year project.
11	NWRI (Southern Operations) WC	1. Banthoek River Crossing	Completed 2015	
12	NWRI Sourthen Operations (Eastern Cape)	GAMTOOS GOVERNMENT WATER SCHEME WATER BALANCE MODEL ELANDSDRIFT CANAL WATER BALANCE MODEL AMATOLA GOVERNMENT WATER SCHEME WATER BALANCE MODEL	Sep-15 Nov-15	
		LOWER SUNDAYS GOVERNMENT WATER SCHEME WATER BALANCE DE MIST KRAAL CANAL WATER BALANCE MODEL Phumelela Bulk Water Supply ( <b>Warden/Ezenzeleni region</b> )	Mar-16 Nov-15 Construction of Wadern WTW: December 2015	Jul-16
17	North West	Verification of bulk groundwater supply in Mmakau village Verification of bulk groundwater supply in Majakaneng village Verification of bulk groundwater supply in Jericho village Verification of bulk groundwater supply in Oskraal village Setlagole bulk groundwater supply Kraaipan Hydro census Verification of groundwater monitoring stations in Ngaka Modiri Molema District Municipality	Completed 30 November 2015 Completed 30 November 2015 Completed 30 November 2015 Completed 30 September 2015 Completed, 30 November 2015 Completed, 30 November 2015	
18				Ongoing to be completed in 2016/17 financial year

	Regional geohydrological potential assessment for Ganyense, north west province – chemical evaluation		
31	Mpumalanga	Central regional dolomitic groundwater investigation. Regional bulk infrastructure grant (RBIG) scoping report.	
32		Groundwater Assessment: Groundwater Status and Potential Assessment for the Ramotshere Molloa and the Ditsobotla Local Municipal Area.	
33		Groundwater Quality sampling in Ngaka Modiri Molema District Municipality	Completed, 30 November 2015
34		*Ermelo Bulk Water Supply Phase II (Upgrading of identified electrical works and connecting the new generator.	Project Completed 15/ nov

**LIST OF PROJECTS THAT CUBAN SPECIALISTS ARE WORKING ON IN THE PROVINCES AND CLUSTERS**

NO	NAME	PROVINCE/ AREA OFFICE/ CLUSTER	LIST OF PROJECTS AND LOCATION	Project Completed and date	Projects Ongoing and possible date of completion
1	Rebeca Fernandes	Northern Cape	Homevale Waste Water Treatment works (Sol Plaatje LM)		Jun-16
			Kuruman Bulk Water Scheme ( Ga-Segonyana LM)		
			Ritchie Bulk Water Scheme (Sol Plaatje LM)		Apr-18
2	Barbaro Boy		Member of RBIG project adjudication committee Vanwyksvlei Bulk Wwater Scheme (Kareeberg LM) Vanderkloof Waste water Treatment Works(Renosterberg LM)	Ongoing	Ongoing
			Strydenburg Bulk Water Scheme (Thembelihle LM)		Jul-16
			Member of RBIG project adjudication committee	Dec-15	
3	Mr. Guillermo Degaldo	Western Cape (Bellville)	Stellenbosch Waste Water treatment Works; Cirtusdal Waste Water Treatment Works; Paarl Bulk Sewer; Worcester Bulk Water supply; Grabouw WWWTW, Oudtshoorn Bulk Supply; Ladismith WWWTW	Ongoing Swellendam WWWTW, Grabouw WWWTW & Worcester Bulk Water Supply	Ongoing RBIG Citrusdal WWWTW (Sep 2016), Stellenbosch WWWTW (July 2018), Paarl Bulk Sewer (March 2017), Tulbagh Bulk Water Supply, Lamberts bay Desalination, Kannaland Dam, Ladysmith and Dalitzdorp WWWTW, Oudtshoorn Bulk Water Supply. ACIP Swartland LM: Replacement of water network (March 2017), Kannaland LM: Calitzdorp Reservoir (March 2017), Kannaland LM: Refurbishment and upgrading of Chlorination system (March 2017), Cape Agulhas LM: Replacement of Bulk meters (March 2017), Saldanha bay LM: Replacement of water pump station (July 2016), Overstrand LM: Refurbishment and upgrade of Stamford WWWTW (March 2017), Laingsburg LM: Construction of new sludge drying beds (March 2017)
4	Janjaque Orlando	Limpopo	Mogalakwena BWS, Waterberg DM	project phases ongoing	multi-year project/scheme grouped into phases due to limited funding per MTEF
			Mametja/Sekororo RWS, Mopani DM	project phases ongoing	multi-year project/scheme grouped into phases due to limited funding per MTEF
			Giyani Water Services, Mopani DM	project phases ongoing	multi-year project/scheme grouped into phases due to limited funding per MTEF









	<p>Tswelopele Bulk Water supply (<b>Hoopstad and Bultfontein</b> )</p>	
16	<p>Hubert Maurício Socarrás Northern Operations: Tzaneen Area Office in Limpopo</p>	<p>Rehabilitation of Ntzelele Canal in Tshipise Government Water Scheme -in the Limpopo Province, 50 km North-East of Louis Trichardt and 30 km South-East of Musina  Rehabilitation of Middle Letaba Canal in Limpopo Province. Project will start on Jan 2016  Mapupe Balancing Dam. Project will start on Jan 2016  Dam safety inspection to the following dams: Nwandeni, Luphephe, Cross, Capes Thorne, Mutshedzi, Seshego, Vondo.  Construction of 13 Houses in Tzaneen Dam  Construction of Single Quarters at Tshipise GWS  Verification of bulk groundwater supply in Mmakau village  Verification of bulk groundwater supply in Majakaneng village  Verification of bulk groundwater supply in Jericho village  Verification of bulk groundwater supply in Oskraal village  Conducts ground water hydro-census in the areas including villages per municipality  Provided advisory hydrological services by investigating ground water complaints  Advise municipality on ground water availability and threats to pollution.  Moses Kotane Local Municipality-Lerome, Pella, Tlathaganyane and Mabeskraal village. Source development, equipping &amp; erection of water storage with associated pipeline  Madibeng Local Municipality-Madidi. Drilling, equipping and connection of pipeline.  Moses Kotane Local Municipality- Mabeskraal, Mogwase, Lerome. Fast tracking of Plianesberg North Bulk Water Project.  Moses Kotane Local Municipality-Legogalwe, Manamakgoteng, Modderkuil, Segakwaneng, Dikweipi, Sandfontein and Lerome. Ground Water Optimisation of Lerome Cluster Villages.  Moretele Local Municipality-Refurbishment of transferred water services schemes in Moretele and groundwater investigation.  Lekwa Teemane Local Municipality. Bloemhof Urgent upgrading of Vandalised Bloemhof Waste Water Treatment Works.  Kgetleng Rivier Local Municipality. Refurbishment &amp; drilling of boreholes in Derby.  Setlagole bulk groundwater supply  Kraaipan Hydro census  Verification of groundwater monitoring stations in Ngaka Modiri Molema District Municipality  Regional geohydrological potential assessment for Ganyensa, north west province – chemical evaluation</p>
17	<p>Irene Jiménez Del sol</p>	<p>Completed 30 November 2015 Completed 30 November 2015 Completed 30 November 2015 Completed 30 November 2015 Completed 30 September 2015 Ongoing Ongoing Ongoing</p>
18	<p>Arturo Jesús Lorenzo Ferrás</p>	<p>Ongoing to be completed in three years  Is a multi year project an it will be completed in three years  To be completed before the end of March 2017 To be completed in March 2018 To be completed in March 2018  Ongoing to be completed in 2016/17 financial year  Completed, 30 November 2015 Completed, 30 November 2015</p>

		Central regional dolomitic groundwater investigation. Regional bulk infrastructure grant (RBIG) scoping report.		
		Groundwater Assessment: Groundwater Status and Potential Assessment for the Ramotshere Moiloa and the Ditsobotla Local Municipal Area.		
		Groundwater Quality sampling in Ngaka Modiri Molema District Municipality	Completed, 30 November 2015	
		Ramotshere – Moiloa LM. Dinokana Ward 13. Mosweu, Gopane, Driefontein, Supingstad, Mokgola and Groot Marico Boreholes drilling, testing and equipping plus connection of pipeline to reservoir or JoJo tanks		
		Ditsobotla Local Municipality: "Refurbishment of bulk water boreholes in dolomitic aquifer.		
		Eradicate tankering in 102 Hot Spot villages		Ongoing to be completed in 2016/17 financial year
		Mamusa Local Municipality . Boreholes testing, drilling, equipping and connection of pipeline		
		Kagisano Molopo villages. Urgent refurbishment of borehole equipments.		
		Lekwa Teemane Local Municipality . Bloemhof Urgent upgrading of Vandalised Bloemhof Waste Water Treatment Works.		
		Taung/Naledi Local Municipality . Bulk Water Supply. Upgrade of Pudimos Water Treatment Works, 10MI Reservoir, 3 pump stations and 56 km Pipeline.		
		8. Maquassi Hills Local Municipality. Drilling of boreholes, equipping & erection of water storage, Wolmaranstad Ext. 10 & 13 and Tsweleng & Sewage Water Management and infrastructure refurbishment in Lebaleng.		
19	Luis Ramirez	Assist the Regional Coordinator (Director: Planning and Information) in the implementation of Drought relief projects in Kwazulu Natal		Ongoing
		Review Water and Sanitation projects plans for Municipal Infrastructure Grant, Municipal Water Infrastructure Grant, Accelerate Water Infrastructure projects and Regional Bulk Infrastructure Grants		Ongoing
20	Perez Dela Torre Carlos	Midmar dam, drill ventilation hole		31/05/2016
		Spioenkop Dam - WCO house roof replacement		31/07/2016
21	Hernandez Garcia Diana	Spioenkop Dam - Guest house roof replacement		31/10/2016
		Midmar Dam, cluster office stores extension		31/03/2017
		Midmar dam, conference room conceptualisation		31/03/2019
		Mearns Dam - Rehabilitation of Access Road		31/03/2018
		Design and Implementation in Domestic Water supply at Goedetrouw Dam		31/03/2019
		Design and Implementation - for pipeline duplication at Wagendrift Dam		31/03/2018
22	Jorge Mollinedo	<ul style="list-style-type: none"> <li>• Daily Corrective Maintenance of the plant</li> <li>• Inspection/Preventative Maintenance</li> <li>• KWSAP Pump Station Restoration</li> <li>• Duvha Pump No1 – Breaker Refurbishment</li> <li>• Matla Pump 1 &amp; 2 – Reliability Improvement</li> </ul>		2016/17 Financial Year

			<ul style="list-style-type: none"> <li>Duvha Pumps Cooling System Upgrade</li> <li>Preventative Maintenance of Electrical Equipments</li> <li>Corrective Maintenance of Electrical Equipments</li> <li>Rietfontein Pump No 3 – Breaker Refurbishment</li> <li>Cathodic Protection restoration and investigation of maintenance strategies</li> </ul>				
23	Amaury Sanchez Perez	Head Office	DWS Water and Wastewater Treatment Project: Assessment of all DWS owned water and wastewater treatment facilities to determine current status and Plant efficiency in order to comply with the SANS 241 for drinking water and the General limits for discharge into a water resource.		18-Apr		
24	Nedy Garcia Cairo	Head Office	DWS Water and Wastewater Treatment Project: Assessment of all DWS owned water and wastewater treatment facilities to determine current status and Plant efficiency in order to comply with the SANS 241 for drinking water and the General limits for discharge into a water resource.		18-Apr		
25	Matias Roman Duarte Perez	Head Office	DWS Water and Wastewater Treatment Project: Assessment of all DWS owned water and wastewater treatment facilities to determine current status and Plant efficiency in order to comply with the SANS 241 for drinking water and the General limits for discharge into a water resource.		18-Apr		
26	Juan Ricardo Cruz Rodriguez	PRETORIA	Dealing with the manitenance contract wrt to Technical and Contractual evaluation for Approval		18-Apr		
27	Neldo Pedro San Roman Pérez	PRETORIA	Specialist technical input for the rehabilitation of Viakfontein and Elandsdrift Canal, i.e. Review specifications from PSP, carry out in-situ quality control of work being implemented, recommend design changes where necessary. Also involved in knowledge sharing with young professionals from the PSP and DWS. Carried out geotechnical and risk assessment of Edinburg Dam for rehabilitation purpose.		2018/2019 Financial year		
28	Ramón Buenaventura Vega Laugart	PRETORIA	Institutional Oversight. In November/2015 ends hes stage in this Directorate				
			Condition assessments for pump stations(National). Water metering project (National), Extension of the Infrastructure Branch Training Centre (Rooedeplaat).				Condition assessments for pump stations(National). January 2017, Water metering project (National), December 2017, Extension of the Infrastructure Branch Training Centre April 2017
29	Alina Hernández Tur	PRETORIA	Specialist technical input for the rehabilitation of Nzhelele Canal, i.e. Review specifications from PSP, carry out in-situ quality control of work being implemented, recommend design changes where necessary.				2018/2019 Financial year

30	Jose Raul Orosa Almeida	PRETORIA	Condition assessments for pump stations(National). Water metering project (National), Extension of the Infrastructure Branch Training Centre (Roodeplaat).	Condition assessments for pump stations(National). January 2017, Water metering project (National), December 2017,Extension of the Infrastructure Branch Training Centre April 2017
31	Arturo Elpidio Gonzalez Baez	PRETORIA	Specialist technical input for the rehabilitation of Viakfontein and Elandsdrift Canal, i.e. Review specifications from PSP, carry out in-situ quality control of work being implemented, recommend design changes where necessary. Also involved in knowledge sharing with young professionals from the PSP and DWS. Carried out geotechnical and risk assessment of Edinburg Dam for rehabilitation purpose.	2018/2019 Financial year
32	Mavis Liu Mariño Nueva	PRETORIA	Condition assessments for pump stations(National). Water metering project (National), Extension of the Infrastructure Branch Training Centre (Roodeplaat).	Condition assessments for pump stations(National). January 2017, Water metering project (National), December 2017,Extension of the Infrastructure Branch Training Centre April 2017
33	Alexis Arevalo Santos	PRETORIA	- Review and improve routine maintenance procedures for the MV installations of specific schemes, i.e. VRESAP, KWSAP, USUTU, USUTU Vaal etc.	Ongoing
34	Luis Espinosa Ramirez	PRETORIA	Dealing with the manitenance contract wrt to Technical and Contractual evaluation for Approval	Ongoing
35	Angel Diaz Herrera	Mpumalanga	*Ernelo Bulk Water Supply Phase II (Upgrading of identified electrical works and connecting the new generator.	Project Completed 15/- nov
			*Hoxane Bulk Water Supply Phase 3	project phases ongoing (under construction)
			Extension of the capacity of the plant, from five modules to eight (6, 7 and 8)	
			* Msukaligwa regional water supply scheme. (retention/feasibility)	Retention/ Feasibility
			*Amsterdam and Sheepmore Bulk water scheme. (feasibility)	Feasibility study