EXTENSION OF RUSTFONTEIN WTW BLOEM WATER PRIORITY PROJECT

NCOP VISIT PRESENTED BY: Vaal Central Water DATE: 11-15 September 2023



Background

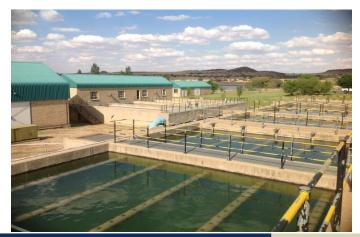
- Rustfontein Water Treatment works (RWTW): commissioned in 1998
- Objective to serve the Mangaung Metropolitan Municipality & Mantsopa LM with Treated Bulk water
- The (RWTW) Design capacity of 100 ML/day(Mega liters per day) (Ml/day) and it's the second largest WTW in Bloem Water.
- Greater Recon. Study 2012 Recommendation for Extension of WTW:
- The (3) main Water Treatment Works that Supply Mangaung Metro, Kopanong (Reddersburg, Edenburg) Mantsopa LM (Excelsior)
- 1.Welbedacht WTW -145Ml/d capacity (Operating at 85% capacity)
- 2.Rustfontein WTW -100 MI/d(operating at 95% Capacity)
- 3.Maselpoort WTW -110MI/d capacity- Mangaung Metropolitan Municipality owned (+/- operating 60-70% capacity)



Background Cont:

- Projected population growth. Greater Bloemfontein Recon 2012.
- Water Demand & Consumption in the Municipality- Bucket Eradication Programme
- Impact of High-Water Loss 40-45% in Municipalities
- Extension was Planned for 2015 but delayed
- Project Delayed Capex Funding Not Secured
- Public- Private Partnership (PPP) Model was investigation in 2018 but Not possible due to none payment by WSA.









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RUSTFONTEIN WATER TREATMENT WORKS

	Time	Budg et	Scop e
ON TRACK			
SLOW PROGRESS			
DELAYED			

Description Project Sponsor(s)		The extension of Rustfontein WTW from 100MI/day to 150MI/day to increase capacity to supply Mangaung Metro Department of Water and Sanitation grant Funding								
Project Value	R505 million (estimate 2015 Study)	Funding Gap		R505 million	Fundi Instru	ng Iments	Grant Funding			
Budget Phasing	2022/23 R10 million for Feasibility Study	2023/24 *R200 million Construction		* 2024/25 R300 million Con	struction E	stimate			Estimate confirme Feasibili	nstruction e will be ed by the Final ty Study and the sign Report
Required licenses/Auth orisations/Ex emptions, etc.	• •	icense in place an								
Concept	Pre-Feasibility	Bankable Feasibility	Structuring sign		nt/Contract 1g	Estimated	l Construction	DEL/	AY	Adjusted Construction
2012	Completed Designs by JV METADEL, VOX, CSV in May	Feasibility through ISA	Design complete 2015 .T review the 2015 des	d in : PS o Feas old Studies igns April	Planning P for ibility -Start : 2023	Period is be plani months, s approved	Construction estimated to ned for 24-36 ubject to Final I Feasibility & red Designs	Phase 1 P : Func require Feasibility & Review Desic	ling d for y Study of the	To be confirm after the Feasibility Studies & Reviewed BASEDESING
Y MILESTON	ES! *REPORT SUE	January 2024	(100ML/d) 150ML/d) 30 June 2	by				Phase2.C	onstruc se not	
	◆ _{₽015} ES! *REPORF SUE	January 2024	150ML/d)	by				Phase2.C	onstruc se not	
	*2015 ES!*REPORT SUE	January 2024	150ML/d)	by				Phase2.C	onstruc se not	



RUSTFONTEIN WATER TREATMENT WORKS

Unresolved Issues Raised In	What Has Been Achieved To Address	Key Outstanding Issues (
Previous Meeting	Issues Since Last Reporting Cycle?	potential risks)
 The conduction of the Feasibility Study , Technical , Economic to review the initial 2015 Designs for the Extension from 100ML to either 150 ML/d in augmentation of water to Mangaung Metropolitan Municipality. Project Preparation for bankability & Financial close not completed yet . 	 Project had been pitched to potential investors in 2020, through the Presidential Infrastructure Investment Office (PIIO) ISA working with Bloem Water for Project Preparation for the Review of the Designs from 100ML/day to 150 ML/day as the designs done where 2015. The Scope of Work for Technical Review of 2015 Designs Completed The PSP to be appointed by June 2023 by ISA, for the Review of the Design & to prepare for Project bankability & Financial Close. 	 The entity failing to deliver on its mandate of provision of bulk water supply to its Water Service Authorities and other clients . None payment by Water Service Authority impacting on balance for Capital project Funding & borrowing Limit The increase in construction cost Funding Challenges for Construction Phase 2

ISA comment/Assessment

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Steps to be taken in the next four weeks, including liaison with **RELEVANT** Departments to help unblock issues in their domain:

The Procurement of the PSP by ISA for the Feasibility Study .The objective of the Feasibility study is to identify the preferred option for augmenting the capacity of bulk water supply to the Mangaung Metropolitan Municipality(Botshabelo, Thaba Nchu and Bloemfontein) through the extension of Rustfontein Water Treatment Works from 100MI/d to 150MI/d



THANK YOU!!

