water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

(WSIG)

(Water Services Infrastructure Grant)

Project Business Plan

REPORT REFERENCE:

DWS REGION:	Northern Cape
WATER SERVICES AUTHORITY:	Frances Baard District Municipality
PROJECT NAME:	Windsorton/Holpan Regional Bulk Water Supply
PROJECT REFERENCE:	ZNC346
WSA PROJECT MANAGER:	Rorisang Setshogoe
DWS PROJECT MANAGER:	

Date Prepared: 01 November 2021 Version: 1

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REVISION SHEET

Revision Schedule

Revision Number	Date	Description	Author
01	01 Nov 2021	Windsorton/Holpan Regional Bulk Water Supply	R Setshogoe

SECTION A: PROJECT REGISTRATION /OVERVIEW

1 PROJECT OVERVIEW

1.1 Estimated Duration

	dd/mm/yyyy		dd/mm/yyyy		
*Start Date:	1 July 2022	End Date:	30 June 2024	Duration (weeks)	96

Note: *This period will be used to generate the cash flow period, and includes the retention period where the guarantee method is not used. *Start Date = Date on which design commenced.*

1.2 Project Location

Project Location		**Co-ordinates of the Project**			
Province	Northern Cape				
District Municipality	Frances Baard		Degrees °	Minutes '	Seconds "
Local Municipality	Dikgatlong	Longitude (E)	24	46	53.15
Nearest Business Centre	Windsorton	Latitude..... (S)	27	45	10.41
Distance to Business Centre (km)	33 km				

1.3 Select the WSIG focus area:

Please specify the type of WSIG project in terms of pre-defined focus areas.

WSIG FOCUS AREA	Tick where applicable
1. Single type settlements (Individual settlements with rudimentary type solution)	
2. New Scheme Development (Not part of existing scheme)	
3. Existing Scheme Refurbishment (Part of existing scheme) – **quick win**	
4. Existing Scheme Refurbishment (Part of existing scheme) – **larger than R 20 million**	x
5. Conservation & Demand Management requirement, and O & M	

1.4 Describe the project

Describe comprehensively the project and include as far as possible details in terms of sizing, capacity, quantity geographical location, etc. Where available, include a map to show the geographic context. Provide also a summary description of approximately 50 words (which will be used in the project progress reporting template).

PROJECT SUMMARY DESCRIPTION (approximately 50 words)
Windsorton and Holpan are both small settlements within Dikgatlong Municipality which falls within the Frances Baard District Municipality in the Northern Cape Province. The existing Windsorton Water Treatment Works is operating at full capacity and it is not able to meet the current demand. The project entails refurbishment of existing Windsorton Water Purification plant and building a new 1ML/d package plant with additional storage facilities.

1.5 Motivate the project

Please motivate in detail a) the reason for the project and b) the reason for requesting WSIG funding to complete the project c) the circumstances of the community and the number of HH without water Where available, make use of pictures to motivate the project. Specifically highlight the interfaces with planning /other initiatives to support the motivation.

PROJECT MOTIVATION (approximately 50 words)
a) The Windsorton Water Treatment Works does not have enough capacity to provide for the needs of the communities of Windsorton. The Holpan community close to Windsorton is supplied with ground water through the borehole system which is no longer adequate due to increased population. The most sustainable way of supplying water to Holpan will be a conventional surface water supply of which the most feasible source is Windsorton water treatment works. To supply Holpan with water, Windsorton water treatment works will have to be upgraded by more than 50% of installed capacity. b) DWS has previously funded the project through their RBIG programme, but it could not be completed due to a lack of funds. c) This project will benefit approximately 6 401 people in Windsorton (1824 households) and 2 022 people in Holpan (337 households).

	Yes / No
Is this project captured in the WSA's WSDP?	YES
Does this project involve interim, intermediate water supply solutions?	No
Has this project been identified as part of the RRU (Rapid Response Unit) / RBIG programme?	YES
Does this project address a DWS transferred scheme?	No
Has this project been identified as part of the LG Turnaround Strategy?	YES

2 APPLICANT DETAILS

2.1 Name of Contact Person Responsible for the Project

Applicant	Rorisang Setshogoe
Contact person	

Title: Mr	Surname:	Setshogoe	Initials: R	Position Manager

Physical Address		**Postal Address** (if different from Physical)	
51 Drakensberg Road, Carters Glen, Kimberley			
Postal Code	8301	Postal Code	
Email Address	rorisang.setshogoe@fbdm.co.za	Fax	
Cellular	0730733889	Tel (Office)	0538380911

2.2 Municipality officials /representatives

Designation	Name	Phone	Fax	Email
Municipal Manager (FBDM)	Ms. ZM Bogatsu	053-838 0998	053-838 1538	mamikie.bogatsu@fbdm.co.za
Acting Director Infrastructure Services (FBDM)	Mr. R Setshogoe	053-838 0928	053-838 1538	rorisang.setshogoe@fbdm.co.za
Acting Chief Financial Officer(FBDM)	Ms. O. Moseki	053-838 0956	053-838 1538	onneile.moseki@fbdm.co.za
Municipal Manager (Dikgatlong)	Ms. B Tsinyane	053-531 6500	053-531 0624	btsinyane@yahoo.com
Acting Technical Services Manager (Dikgatlong)	Mr. D Makaleni	053-531 6596	053-531 0624	desmond.makaleni@dikgatlong.co.za
Acting Chief Financial Officer(Dikgatlong)	Mr. C Mokeng	053-531 6575	053-531 0624	chrismokeng@gmail.com

3 PROJECT COSTING

3.1 State the amount of funding requested from WSIG

State the total project cost and the amount of funding requested from the WSIG program. Include the total project cost and indicate the amount of funding from other sources which will contribute to the

project. Note that funds requested should be in terms of DWS financial years and not municipal financial years.

Project Infrastructure Type	Total (Incl. VAT)	VAT	Direct Costs (Construction)	Indirect Costs (Professional fees)	Training	
					Accredited	Non- Accredited
New infrastructure existing scheme	R32 694 197	R4 264 461	R25 845 215	R2 584 522		
New infrastructure, new scheme						
Refurbishment of existing					Incl.	Incl.
WC/WDM						
Total Project Cost (A=E)					Incl.	Incl.
Source of Funds	**Total (Incl. VAT)**	**VAT**	**Direct Costs (Construction)**	**Indirect Costs (Professional fees)**	**Training**	
					Accredited	**Non-Accredited**
WSIG (B)					Incl.	Incl.
Public sector (C=a+b+c+d)**						
a) Own Funds*						
b) Loans*						
c) Bonds*						
d) Other*						
Private Sector (D)						
Total Registered (E=B+C+D)					Incl.	Incl.
Cost per Household (Total):						
Cost per Household without existing water services (Total)						
Cost per Household (WSIG):						

3.2 Indicate the cash flow

Provide the expected cash flow for funds in total and specific for funds requested from WSIG. Please ensure that the totals agree with the stated project costs and requested funds in item above. Note: that municipalities will be monitored in terms of cash flow compliance.

2022/23: Total	TOTAL PROJECT COST in R'000	WSIG FUNDS in R'000	OTHER FUNDS in R'000
Jun-22	2 700 000	2 700 000	0
Jul-22	2 700 000	2 700 000	0
Aug-22	2 700 000	2 700 000	0
Sep-22	2 700 000	2 700 000	0
Oct-	2 700 000	2 700 000	0
Nov-22	2 700 000	2 700 000	0
Dec-22	2 700 000	2 700 000	0
Jan-23	2 700 000	2 700 000	0
Feb-23	2 700 000	2 700 000	0
Mar-23	2 700 000	2 700 000	0
Apr-23	3 000 000	3 000 000	0
May-23	2 694 197	2 694 197	0
TOTAL FOR 2022/23	32 694 197	32694197	

WSIG funds are available only in the financial year in which it has been budgeted.

4 PROJECT MILESTONES

4.1 Propose the project milestones

Indicate the project milestones in terms of the categories provided below. Ensure that the proposed milestone dates are mapped to municipal and DWS financial years. ***Note: municipalities will be monitored in terms of milestone compliance.***

Milestone Description	Planned Date (dd-mmm-yy)	Municipal FY	DWS FY
Business Plan Approved	10/01/2022	2021/22	2021/22
Funding Agreement Signed	31/03/2022	2021/22	2021/22
Service Provider (consultant) appointed	01/04/2022	2021/22	2022/23
Contractor appointed	01/07/2022	2021/22	2022/23

Completed	30/06/2023	2022/23	2023/24
Finalized / End of Retention	30/06/2024	2023/24	2024/25

Note: if it is intended that more than one service provider / contractor would be appointed, then please add to the table extra rows, to capture the accompanying milestone dates for such appointments. Finalized means when last payment is done (including retention payment) and close out report has been completed.

The table below requires a more detail description of the implementation milestones with expenditure indicated

Phase No.	Phase description	Description of milestone	Start date	Completion Date	Total cost	WSIG contribution	Co-funding required
1	Study	Feasibility study approval	N/A				
2	Design and tender	Develop ToR	14/01/2022	14/01/2022			
		Appoint PSP	01/04/2022	01/04/2022			
		Complete Design	02/04/2022	02/05/2022			
		Advertise tender	13/05/2022	17/06/2022			
		Appoint contractor	01/07/2022	01/07/2022			
3	Implementation		01/07/2022	30/06/2023	R32 694 197	100%	No
4	Project completion and hand over	Completion certificate	30/06/2023	30/06/2023	0		No
		Commissioning	30/06/2023	30/06/2023	0		No
		O & M phase and training			0		No
		Contract exit		30/06/2024			
Total costs					R32 694 197		

4.2 Frame the project performance milestones

In order to monitor progress on a monthly basis, it is required that project performance milestones should be established. Examples are provided below, however, the author to determine specific performance milestones for the project. In some cases, the project impact declaration (section 5) below will also be applicable as a performance milestone, however, in most cases, impacts will only be achieved once the project has been completed and therefore is not deemed adequate/complete to determine progress performance.

Note that the progress in terms of the above performance milestones will be monitored on a monthly basis.

Nr:	Project performance milestones	Unit	Target Value	Target Date	Nr:
			Excl VAT		
1	Inception (5%)		129 226.08	02/05/2022	
2	Concept and Viability (20%)		516 904.30	13/05/2022	
3	Design Development (30%)		775 356.45	17/05/2022	
4	Documentation and Procurement (15%)		387 678.23	01/07/2022	
5	Contract Administration and Supervision (25% + 100% construction)		26 491 345.30	30/06/2023	
6	Close-Out (5%)		129 226.08	30/06/2024	

5 IMPACT DECLARATION

5.1 Quantify the proposed project impacts

In order to be able to a) prioritize the project, b) monitor progress and c) ensure that the WSIG program achievements may be quantified, please to identify and quantify the proposed impacts. Example impacts are provided, but the author to ensure that the proposed impacts for the project are uniquely identified and quantified. It should be noted that in certain instances, the use of more than one impact declaration may be required. Note also that the impact for the total project to be quantified (the WSIG contribution to the total project will be taken into account when reporting WSIG contributions). Please note section below for mandatory impact declarations per WSIG focus type (meaning that these impacts to be provided at minimum).

Nr:	Impact Description	Unit	Current Value	Target Value	Target Date
1	Number of Households receiving basic water supply	No	0	8423	01/07/2023

5.2 Mandatory Impacts

Please take specific note of the mandatory impact fields per project focus type.

Water Supply

1. Number of Households receiving Basic Water Supply - 14019
2. Number of Households receiving some water (Interim, intermediate which is below basic water supply) - 127

Water Conservation and Demand Management

1. *Volume of water loss reduction in Unit: l/d*
2. *% of water loss reduction in Unit: %*
3. *Number of people targeted (awareness) in Unit: Nr*
4. *Etc.*

6 ROLE PLAYERS

Identify the role-players and responsible parties for project execution. Where consultants and contractors are still to be appointed, indicate as such, however, if intended to use existing appointments for the project, please add the names and details of the applicable consultants and/or contractors.

Role-Player	Name	Contact Person	Telephone	Cellular	E-mail Address
DWS Region					
WSA	Dikgatlong	B Tsinyane	053-531 6500	084 896 6977	btsinyane@yahoo.com
Implementing Agent	Frances Baard DM	R Setshogoe	053-838 0928	073 073 3889	Rorisang.setshogoe@fbdm.co.za
MISA representative					
Consultant (1)					
Contractor (1)					

SECTION B: FEASIBILITY

7 STATUS OF PROJECT

7.1 Status of project

Status of project	Y/N
Project implementation has started	N
EIA is approved	Y
Project is considered Implementation ready	Y
Feasibility study is completed	Y
Feasibility study is currently been undertaken	N
Feasibility / Implementation ready study required	Y

If project is not implementation ready indicate the following Y/N

Do you require funding to complete a feasibility/IRS study	N
Is a EIA required	N
Has a EIA process been started	N

Has the land rights been acquired	Y
Is a water use license required	Y
Is there adequate electrical supply	N
Has a water use license application been submitted	Y

Planning status of institution	Y/N	Date
Has a water master plan been undertaken and when	Y	2016
Is the WSDP up to date, date of revision	Y	MAY 2021
Is the IDP up to date, date of last revision	Y	MAY 2021
Is the water supply backlogs business plan for the WSA completed	N	
Is there a water demand management strategy, date when	N	

Note:

1) If project is bigger than R 20 million a feasibility study is required

2) Water Supply backlog Business plan, refers to a comprehensive multi-year plan on how to provide and fund projects that will eradicate all water supply backlogs

8 DEMOGRAPHICS

8.1 Population

Current population of WSA	46841
Current population of area to be supplied by project	8423
Estimated Population growth rate of project area	2,02%
Design population of area to be supplied by project (2036)	11401

8.2 Beneficiaries

(Poor Households – Those with household expenditure of below R1, 100.00 per month)

Number of Beneficiaries (Persons)	
Formal Areas	6401
Informal Areas	2022
Total Residents	8423
Number of Poor Households	

			dd/mm/yyyy
Formal: No of New Stands	0	Date of Last Count	2011
Formal: No of Existing Stands (Rehabilitation)	1824	No of Households	2161
Informal: No of Backyard Dwellings	0		
Informal: No of Households	337		
Total	2161		

Household Size

Average household size (No of persons)	6

8.3 Backlog of service applied for

Main Village/ Town	Settlement/ Village/ Suburb	Total number of Households in Municipal Area (1)	Total number of households with below basic level of service (2)	Total number of Households to benefit from project (3)	Backlog (remaining after completion of the project) = 2-3
Windsorton	Kutlwano & Hebron Park		1824	1824	0
Holpan	Holpan		337	337	0
Total			**2161**	**2161**	**0**

9 TECHNICAL / DESIGN CONSIDERATIONS

9.1 General information

Provide the details of any feasibility or technical report regarding the proposed project or that has significant relevance to the proposed project:

Report Name	Type of report	Completed Date	By whom (PSP)
Upgrading of Windsorton Water Purification Plant and related works	Technical Report	March 2009	KV3 Engineers
Windsorton/Holpan Regional Bulk Water Supply Scheme	Implementation Readiness Report	October 2014	Worley Parsons
Holpan Water Supply and the Upgrade of Windsorton Water Treatment Works	Concept and Viability Report	January 2015	Selatile KSMD Engineers Consortium

Note: Any specific feasibility report on the project must be submitted together with the Business Plan.

9.2 Water Demand Analysis – N/A

Total Demand analysis of WSA	%	kl/month
Domestic , paying consumers		
Domestic non-paying consumers		
Commercial consumers		
Industrial consumers		
Institutional , government and municipal use		
Unaccounted for water		
Total		
	%	kl/month

Existing Demand of area to be supplied by infrastructure

Domestic, paying consumers		
Domestic non-paying consumers		
Commercial consumers		
Industrial consumers		
Institutional , government and municipal use		
Unaccounted for water		
Total		
	%	kl/month

Design Demand of area to be supplied by infrastructure

Domestic, paying consumers		
Domestic non-paying consumers		
Commercial consumers		
Industrial consumers		
Institutional , government and municipal use		
Unaccounted for water		
Total		

9.3 Description of components

Water: Bulk Services: Geohydrological Investigation

Total Component Cost		Construction Duration (months)	
Number of boreholes planned		Level of Service to be provided (0 – Interim, 1-Basic, 2-Intermediate, 3-Full)	
Capacity of all boreholes required (l/s)			

Comments

Water: Bulk Services: Boreholes

Total Component Cost		Construction Duration (months)	
Number of boreholes planned		Level of Service to be provided (0 – Interim, 1-Basic, 2-Intermediate, 3-Full)	
Capacity of borehole planned (l/s)			

Comments

Water: Bulk Services: Reservoirs

Total Component Cost	**R1 500 000**	Number of ground level reservoirs planned	
Number of new reservoirs planned	**1**	Number of Towers planned	
Number of reservoirs to be rehabilitated		Construction Duration (months)	**12 Months**
Existing capacity for community			
Capacity of all reservoirs planned (m3)	**1ML**	Level of Service to be provided (0- Interim,1-Basic, 2-Intermediate, 3-Full)	

Comments

Water: Bulk Services: Water treatment plants

Total Component Cost	**R7 000 000**	Construction Duration (months)	**12 Months**
Existing capacity of WTW (m3 per Day)			
Number of new water treatment plants planned	**1**	Level of Service to be provided (0-Interim,1-Basic, 2-Intermediate, 3-Full)	
Number of water treatment plants to be rehabilitated	**1**		
Capacity of water treatment plants planned (m3 per day)	**1ML**		

Comments

Water: Bulk Services: Pump stations

Total Component Cost		Construction Duration (months)	
Number of new pump stations planned		Level of Service to be provided (0 – Interim, 1-Basic, 2-Intermediate, 3-Full)	
Number of pump stations to be rehabilitated			
Capacity of pump stations planned/ Existing (l/s)			

Comments

Water: Bulk Services: Raw water storage dam

Total Component Cost	**R5 300 000**	Construction Duration (months)	**12 Month**
Number of new Raw water storage dams planned	3	Level of Service to be provided (0 – Interim,1-Basic, 2-Intermediate, 3-Full)	
Capacity of Raw Water Storage planned (m3)	**20ML**		
Number of Raw water storage dams to be rehabilitated			
Existing capacity of Raw water storage	**20ML**		

Comments

Water: Connector Services: Supply lines

Total Component Cost		Construction Duration (months)	
Length of new main supply line planned		Level of Service to be provided (0 – Interim, 1-Basic, 2-Intermediate, 3-Full)	
Length of main supply line to be rehabilitated		Labour Intensive Construction: Yes/No	
Capacity of all supply lines planned/existing (l/s)			
Diameter of supply line planned/existing (mm)			

Comments

Water: Connector Services: Pump stations

Total Component Cost		Construction Duration (months)	
Number of new pump stations planned		Level of Service to be provided (0 – Interim, 1-Basic, 2-Intermediate, 3-Full)	
Number of pump stations to be rehabilitated			
Capacity of pump station planned (l/s)			

Comments

Water: Connector Services: Reservoirs

Total Component Cost		Construction Duration (months)	
Existing capacity of Reservoirs			
Number of reservoirs planned		Level of Service to be provided (0 – Interim, 1-Basic, 2-Intermediate, 3-Full)	
Number of reservoirs to be rehabilitated			
Capacity of all reservoirs planned (m3)			

Comments

Water: Reticulation: Stand pipes

Total Component Cost		Construction Duration (months)	
Number of stand pipes to be reticulated		Level of Service to be provided (0 – Interim,1-Basic, 2-Intermediate, 3-Full)	

Comments

Water: Reticulation: Metered stand pipes

Total Component Cost		Construction Duration (months)	
Number of metered stand pipes to be reticulated		Level of Service to be provided (0 – Interim, 1-Basic, 2-Intermediate, 3-Full)	

Comments

Water: Reticulation: Water meters

Total Component Cost		Construction Duration (months)	
Number of water meters to be reticulated		Level of Service to be provided (0 –Interim,1-Basic, 2-Intermediate, 3-Full)	

Comments

Water: Reticulation: Pipe lines

Total Component Cost		Construction Duration (months)	
Length of pipe line to be reticulated		Level of Service to be provided (0 – Interim, 1-Basic, 2-Intermediate, 3-Full)	
Capacity of all pipe lines to be reticulated (l/s)		Labour Intensive Construction: Yes/No	
Diameter of pipe line to be reticulated (mm)			

Comments

Water: Supply equipment: (e.g. rain tanks)

Total component Cost		Construction Duration (months)	
Component type		Level of Service to be provided (0 –Interim,1-Basic, 2-Intermediate, 3-Full)	
Capacity of component (litres)		Labour Intensive Construction: Yes/No	
Number of components			

Comments

Water: Summary of Technical Details

Current water demand	Demand (l/capita/day) 170
State	
The AADD will 1014 kl/day	
Future water demand	Projected(l/capita/day) 170
State	
The AADD will be 1014 kl/day.	
Present water source (i.t.o. type, quantity and reliability)	Supply (l/capita/day) 60
State	
Vaal-Harts Water User Association supply the Municipality with raw surface water from their canal system	
Future water source (i.t.o. type, quantity and reliability)	Projected supply (Mℓ/day)
State	
The same water sources as outlined above will be used.	
Present water infrastructure	
Describe	
The existing water infrastructure is old and has become inadequate.	
Future water infrastructure	
Describe	
Future water infrastructure will have more capacity to accommodate the increasing demand	
Present water quality	Meets potable standard? Yes X No
Describe	

Sometimes failures are experienced, but Dikgatlong implements remedial actions like disinfection.

Future water quality	No threat [1-5] Major impact	1
Describe Threats		
New refurbished plant will eliminate threats.		

Are the legal aspects of water sources and abstraction in order?	Yes/No	Yes	X	No
Comment				
The Municipality buys water from the Vaal-harts Water User Association which is responsible for legalities of water source and abstraction.				

Population growth trends	Estimated growth %	2.02
Description of trend and data accuracy		
Projections according to stats 2011 figures.		

9.4 Additional information on the rehabilitation of existing infrastructure

Describe the present condition of the infrastructure
Described the circumstances and the reasons of the condition of the current infrastructure. (including age)
Old plant, built in 1993. Capacity not enough for growth in community numbers.

Describe the proposed method / solution to rehabilitate existing infrastructure
Procurement of Service Providers.

9.5 Additional information on Water Demand Management interventions

Describe the type of Water Demand management interventions proposed for funding from WSIG

Described the circumstances and the reasons of why Demand Management is needed.

Describe the background and previous initiatives and funding on water use efficiency and WDM

Describe any other activities planned on WC/WDM in the WSA through other funds also indicate budget.

9.6 Option analysis

Describe what if any options were considered before deciding on the proposed solutions. (discuss a) option on service level b) option regarding type of project (e.g. refurbishment or new c) and type of solutions or technology

Describe why the current options were decided.
The existing water supply infrastructure is not adequate to meet the current demand. The Municipality has to implement restrictions on the use of water in the communities in order for the communities to have some water some times during the day.

9.7 Design criteria

Describe the key design criteria used to design the main components, including design flow
• Red book (Guidelines for Human Settlement and Design) • SANS • DWS Guidelines

10 SOCIO ECONOMIC CONSIDERATIONS

10.1 Employment Generation

Number of Persons planned to be employed	Total Number of persons	Adult		Youth		Disabled	
		Female	Male	Female	Male	Female	Male
Number of persons planned to be employed (A)	30	5	5	8	10	1	1
Average length of employment (days) (B)	220	220	220	220	220	220	220
Number of planned person days C = A x B	6600	1100	1100	1760	2200	220	220

Please note: - The definition of youth is any person under the age of 35 years. (18-35 Years)
- Each person may only be counted once. If a person falls into more than one category, disabled persons take preference, then youth, then adults.
- Must include all occupational categories (Clerical, Labourer, Managerial, Semi skilled, Skilled and Supervisor).

Permanent Employment after Construction	
Total number of permanent employees to be appointed after the completion of the project	0

Local Labourers	
Average wage rate (per day) a	R85
Number of labourers planned to be employed (Person Days) (Total of C) b	6600
Total Value to local Community c	**R 561 000**

Note: Calculation / Formula c= a x b

10.2 Employment Policy

Use of labour-based construction methods Use Yes/No Yes [X] No [ ]

Details of policy and plans

The project consists mostly of specialised work, but where feasible labour-based construction methods will be employed for concrete works, excavations, pipe laying and fencing.

Employment policy

Describe

The Ward Councillor and ward committees will implement the employment process in conjunction with the municipality's employment policies and processes.

Maximum use of local labour

Maximum use of local labour? Yes [x] No [ ]

Reasons if not possible:

Use of ABE i.t.o the affirmable procurement policy

Use of HDI's i.t.o. policy? Yes [ ] No [x]

Number of contractors planned

Reasons if not possible:

A specific ABE affirmable procurement policy is not in place.

Use of SMME i.t.o. the affirmable procurement policy

Use of HDI's i.t.o. policy? Yes [X] No [ ]

Number of contractors planned 2

Reasons if not possible:

Use of BWO i.t.o. the affirmable procurement policy

Use of HDI's i.t.o. policy? Yes [ ] No [X]

Number of contractors planned

Reasons if not possible:

No policy in place regarding BWO's.

Community involvement at project level

Community project involvement? Yes [X] No [ ]

Describe nature of Involvement

Prior to the commencement of construction, a steering committee will be elected comprising of the community representatives, project implementing agent's representatives and the project manager. A Community Liaison Officer will be employed on the project.

10.3 Training needs Analysis and Framework

Has a training needs analysis been done?	Yes/No	Yes		No	X
Describe, If no motivate					
Unemployed people from the area will be used for labour intensive work where low level skills are required. It is also the objective of the project to involve people trained previously on similar projects in order to sustain them.					
Has a training framework been submitted?	Yes/No	Yes		No	X
Description of training framework					

10.4 Planned Training Activities

Accredited Training

Training Type	Planned number of training days (a=b x c)	Average duration of training (days) (b)	Planned number of persons to be trained (c=d+e+f+g+h+i)	Adult		Youth		Disabled	
				Female (d)	Male (e)	Female (f)	Male (g)	Female (h)	Male (i)
Administration									
Technical									
Life skills/ ISD									
Literacy & Numeracy									
Vocational Skills									
Business Skills									
Total Training									

Non-Accredited Training

				Adult	Youth	Disabled

Training Type	Planned number of training days (a=b x c)	Average duration of training (days) (b)	Planned number of persons to be trained (c=d+e+f+g+h+i)	Female (d)	Male (e)	Female (f)	Male (g)	Female (h)	Male (i)
Administration									
Technical									
Life skills/ ISD									
Literacy & Numeracy									
Vocational Skills									
Business Skills									
Total Training									

10.5 Sanitation, Health and Hygiene

Has the community participated in a health and hygiene programme in the past	Yes/No Yes [ ] No [X]
Describe	
Effectiveness of the health and hygiene programme in the past	Not effective [1-5] effective
Describe	

SECTION C: IMPLEMENTATION AND SUSTAINABILITY

11 AFFORDABILITY AND FINANCIAL CONSIDERATIONS

11.1 Cost of Water Supply – N/A

	Cost component	R/kl
1	Estimated cost of operation and maintenance for target area by WSA	0,69
	direct cost	
	indirect cost	
2	Purchase price of water by WSA	4,00
	Sub total Cost of water supplied	4,69

	Revenue	R/kl
1	Funds allocated from equitable share	
2	Funds allocated from operating subsidy Grant	
3	Revenue from sale of water	
	Sub total Revenue of water supplied	

Note; Revenue from the sale of water should be based on the average tariff and reduced to take into account unaccounted for water and non-payment.

11.2 Household Contributions

Income Analysis

Ability to Contribute	Yes	No X
Average Monthly Expenditure	1 800	

Number of households with the ability to contribute for service	

What is the Municipality's strategy on Household contributions for higher level of service?

Comment

The municipality uses the Vat portion of the project to contribute for the high level of service for households. The municipality does not have a strategy

11.3 Free Basic Services

The Municipality undertakes to implement a policy for free basic services Implementing free basic water? Yes [X] No [ ]

Describe

The Municipality provides:

1. 6kl/month/household free basic water
2. 100units/month/household free basic electricity

12 Institutional capacity and Implementing Agent

12.1 Selection of Implementing Agent

Indicate what informed the decision regarding the choice of the Implementing Agent and motivate — Is the WSA the implementing agent? Yes [ ] No [X]

Dikgatlong Municipality does not have sufficient capacity to act as an Implementing Agent. Frances Baard District will be the implementing agent.

Discuss the potential role of other stakeholders in supporting the WSA in providing services. (e.g. the role of MISA, Water Boards)

Dikgatlong Municipality currently has the support of MISA in the implementation of some of the projects. They also enjoy the support of Frances Baard District Municipality and COGHSTA.

12.2 Track record of Implementing Agent

Illustrate the capacity of the Implementing Agent by describing the following: a) Track record of project implemented b) Human resources available that will be dedicated to project

Illustrate the capacity and track record of the Water Services Authority	
What is the current blue drop rating of the WSA	61%
What is the percentage expenditure of MIG funds by the WSA in the last 3 years	
What is the percentage expenditure of RBIG funds by the WSA in the last 3 years	
Have any of the projects funded by MIG and RBIG implemented by the WSA been stopped over the last few years	**Yes** **No**
If yes indicate the reasons:	

12.3 Consideration and involvement of Community Based Organisation

What is the role of the community: a) during the implementation of the project b) In the management of the water supply
a) Community members are mainly employed as labour during project implementation. b) The community is not involved in the management of water supply.

Describe what consultation steps have been taken to consider the involvement of the community in the water supply solutions
Quarterly community meetings are held to provide an opportunity for inputs, the inputs are recorded and added to the IDP if sufficient motivated.

Has the possibility of forming a community based organisation to manage the water supply been considered, if not why, motivate
No, Dikgatlong Municipality is the primary organization dealing with management of water supply.

13 Asset Management and Operation and Maintenance

13.1 Operation and Maintenance Cash Flow Projection.

Period/Term	Expected Operating Cost (1)	Expected Maintenance Cost (2)	Total O & M Cost (3=1+2)
Year1	200 000	0	200 000
Year2	250 000	50 000	300 000
Year3	300 000	70 000	370 000
Year4	330 000	110 000	440 000
Year5	380 000	150 000	430 000
Total	**1 460 000**	**380 000**	**1 840 000**

13.1 Key elements of maintenance and operation plan

Describe the Maintenance and operation plan
The Operational Cost are primarily driven by items such as personnel, electricity and chemicals. Maintenance cost for the first year should be close to zero due to new and refurbished infrastructure. There will be daily inspections taking place. From 2years onwards, provision should be made for items such as pump servicing, fixing of leaks and changing the sand filters.
Does the WSA have an Asset Management system – YES

What human resources (number and skills) are required and will be allocated towards the management of the project on an on-going basis.

Required Allocate

Level 1: General workers Number 4

Level 2: Process Controllers Number 4

Level 3: Plant Superintendent Number 1

13.2 Maintenance contract arrangements and training

Describe the maintenance contract and training conditions with the Implementing Agent, consultant and Contractor. Specify the different roles a) Implementing Agent b) Consultant c) Contactor

The Municipality will be obligated to provide a list of employees to be trained by the Contractor/Engineers for the operation and maintenance of installed infrastructure. It is imperative to ensure that the Municipality is properly equipped to be able to manage the infrastructure correctly in order to prolong its longevity.

14 RISK AND RISK MITIGATION

14.1 Risk assessment

Complete the table (insert is a typical example)

Risk No.	Risk category	Risk description	Root cause (Category factors)	Risk Rating		
				Likelihood	Impact	Rating
1	Lack of Funds	No funding is forthcoming for the project	Insufficient funds available from the Municipality and DWS	3	4	12
2	Insufficient water	If the project is not implemented, communities will continue to lack adequate water	If finds do not materialise, the project cannot be implemented	3	4	12

		and this will be in contravention with the Water Act				
3	Construction	Appointment of an inexperienced Contractor	Pressure to appoint emerging Contractor who might not be able to complete the job	3	5	15

Rating scale

Level of Likelihood	Level of Impact	Rating
1-Rare	**1**-Insignificant	**1-5**-Very low
2-Unlikely	**2**-Minor	**5-10**-Low
3-Moderate	**3**-Moderate	**11-15**-Medium
4- Likely	**4**-Major	**16-20**-High
5-Almost Certain	**5**-Catastrophic	**20-25**-Very high

14.2 Risk mitigation

Risk No.	Mitigating Action by WSA	Mitigating Action by Implementing Agent
1	Find alternative funding for the execution of the project	Exploring possible funders for the project
2	Explore other ways of delivering	Alternative viable water options to be considered
3	Use functionality requirements that ensure that the most suitable and capable contractor is appointed	Ensure adherence to the functionality requirements during tender evaluation

15 DECLARATION AND CERTIFICATION

15.1 Project Acceptance and Commitment Declaration by the Water Services Authority

Who warrants that he is authorized to do so and confirms that:

1. All details contained in this application are correct
2. Should the funding from WSIG be granted that the Municipality shall sign a funding agreement with the DWS.
3. The Municipality will immediately advise the Provincial DWS - WSIG Manager if the project above receives funding from another source, and,
4. That should funds be granted on this programme then, they will withdraw their funding application to other government grant funding programme.
5. It is not illegal to "apply" for funds from two sources, however, it is illegal to accept money from two Government funding mechanisms for the same project. This is known as double funding.
6. The project is reflected in the Municipality's three-year Capital Development Plan.
7. The project has been approved by Council

Council Approval		
The project has been approved by council	Council Resolution No.:	
	On:	

Name	Position	Committed & Accepted (tick)	Signature	Date
B Tsinyane	Acting Municipal Manager (Dikgatlong)	✓		18/01/2022

M Bogatsu	Municipal Manager (FBDM)	✓		19/01/2022
R Setshogoe	Acting Technical Director (FBDM)	✓		19/01/2022
D Makaleni	Acting Technical Director (Dikgatlong)	✓		18/01/22

16 ACCEPTANCE BY KEY ROLE PLAYERS

16.1 Acceptance by Technical Committee

A technical team comprising of DWS, Department of Cooperative Governance (DCoG), any relevant Water Boards, the relevant Water Services Authority and MISA

Technical team Approval

The project has been approved by the Committee

Resolution No.: RBPAC

On: 19/1/2022

dd/mm/yyyy

Signed by chairperson of Technical Committee: RBPAC

Date signed 8/2/2022

Contact person

Title: Mr Surname: Viljoen Initials: B

Signature

Email Address Viljoenb@dws.gov.za

Fax

Cellular

Tel (Office)

17 ACCEPTANCE BY DWS

17.1 Acceptance by DWS - RO (Provincial Head)

dd/mm/yyyy

Signed by Provincial Head : Tekalake: T.

Date signed 2022-02-14

Contact person

Title: Mrs Surname: Tekalake Initials: I

Signature Tekalake: T.

Email Address

Fax

Cellular

Tel (Office)

17.2 Acceptance by DWS - HO (Deputy Director General)

dd/mm/yyyy

Signed by Deputy Director General: Act DDG WSM

Date signed 10 March 2022

Contact person

Title: Ms Surname: Sigwaza Initials: DP

Signature DSigwaza

Email Address SigwazaT@dws.gov.za

Fax

Cellular 0605597672

Tel (Office) 0123366600

18. ANNEXURES

REPORTS:

- Upgrading of Windsorton Water Purification Plant and Related Works Technical Report Ref No 225730KR0
- Preliminary Design Report for Bulk Pipeline from Windsorton to Holpan
- Final Design Report for Holpan Water Supply and Upgrading of Windsorton Water Treatment Works