PROSPECTING WORK PROGRAMME

SUBMITTED FOR A PROSPECTING RIGHT APPLICATION WITH BULK SAMPLING



Name of Applicant:

JACOBUS SMIT

ID NR: 590620 5091 088

SLYPSTEEN 42

AS REQUIRED IN TERMS OF SECTION 16 READ TOGETHER WITH REGULATION 7(1) OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT (ACT 28 OF 2002)

1. REGULATION 7.1 (a)

FULL PARTICULARS OF THE APPLICANT

Table 1: Applicant's Contact Details

ITEM	COMPANY CONTACT DETAILS
Name	Jacobus Smit
Tel no	053 963 2008
Fax no	053 963 2009
Cellular no	083 297 6070
Email address	twomoons@eafritronics.co.za
Postal address	P.O. Box 754
	Schweizer-Reneke
	2630

Table 2: Consultant's Details

ITEM	CONSULTANT CONTACT DETAILS	
	(If applicable)	
Name	Japie van Zyl Attorneys	
Tel no	053 963 2008	
Fax no	053 963 2009	
Cellular no	082 924 6687	
Email address	japie@japievzylprok.co.za	
Postal address	P.O. Box 960	
	Schweizer-Reneke	
	2780	

2. REGULATION 7(1)(b)

PLAN CONTEMPLATED IN REGULATION 2(2) SHOWING THE LAND TO WHICH THE APPLICATION RELATES

See annexure "B"

3. REGULATION 7(1)(c)

THE REGISTERED DESCRIPTION OF THE LAND TO WHICH THE APPLICATION RELATES

1. Remaining extent of the farm Slypsteen 42;

Registration Division: Hopetown RD

Extent: 1268.6895 hectares

Province: Northern Cape

4. REGULATION 7(1)(d) and (e)

THE MINERAL OR MINERALS TO BE PROSPECTED FOR

Table 4.1: Minerals to be prospected for

ITEM	DETAIL
Type of mineral(s)	Diamonds Alluvial (DA)
	Diamonds General (D)
Type of mineral continued	n/a
Locality	The property is located approximately
(Direction and distance from nearest	41km South West of Hopetown towards
town)	Douglas in the Northern Cape Province.
Extent of the area required for	1268.6895 hectares
prospecting	
Geological formation	Ventersdorp Supergroup
	Lavas belonging to the Ventersdorp Super
	Group represent the oldest geological
	formation encountered. The lava succession
	andesitc amygdaloidal lavas, brecciasand
	medium to fine grained porphyritic lavas. This

supergroup is found only in the southern and the south-western Transvaal and part of the Northern Cape Province. It is composed predominantly of andesitic lava, tuff and agglomerate with subordinate, interbedded sedimentary rocks. In the Klipriviersberg and the Suikerbosrand its relation with the underlaying Witwatersrand Supergroup is paraconformable this relation also applies to the area nort-east of Klerksdorp. East of Johannesburg city centre the supergroup transgresses towards the north, onto the Archaen granite. This also takes place between Klerksdorp and Ventersdorp, where the relationship with the older rocks is unconformable.

The supergroup is subdivided into a lower or Kliprivierberg Group and a succeeding or platberg Group with the Bothaville and Allanridge Formations occurring above the latter. The Makwassie Porphyry formation of the Platberg Group is the chronohorizon demarcating the top of the Randian Erathem. The formations present stratigraphically above this horizon, viz. the Rietgat, Bothaville and Allanridge formations, will therefore be discussed under the Vaalian Erathem. Therocks of the Ventersdorp Supergroup which fall within the Randiam Erathem are indicated on the map as the Klipriviersberg theKameeldoorns Group andas and Makwassie Formations.

2. Karoo-supergroup

The Dwyka formation is found at the base of the Karoo Sequence. In the central Karoo it was deposited in a comparatively shallow basin with a rather even floor, so that the rocks in this area are practically horizontally bedded and not very thick. Towards the south

the basin deepens and the formation attains its maximum thickness of 600 to 750m in the southern part thereof. Towards the north, especially in the eastern and the south eastern Transvaal, the floor is uneven and the occurrences are patchy. The beds are scarcely 15m thick and are preserved in hollows in the uneven floor. Between Witbank and Pienaars River a number of outliers of the Dwyka formation are found on rocks of the Waterberg Group, and near Hammanskraal. Outcrops are known to occur at the base of the Karoo sequences on the Springbok flats. This indicates that the Karoo rocks on the Springbok Flats formerly linked up with those in the main Karoo basin. In the Waterberg. The Dwyka formation is composed practically throughout of rudaceous rocks, i.e. diamicitite with subordinate varved shale, and mudstone containing striatedand faceted pebbles, fluvioglacialgravel and conglomerate, presumably of glacial origin. In several localities, e.g at Nooitgedacht, north-west of Kimberley.

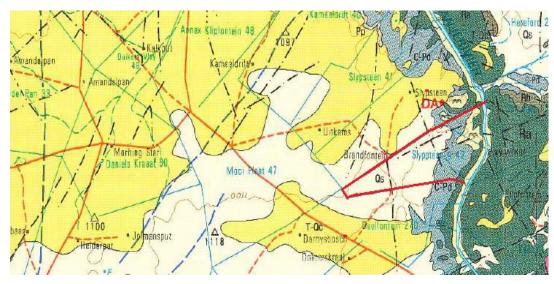
4.2 Description why the Geological formation substantiates the minerals to be prospected for (provide a justification as to why the geological formation supports the possibility that the minerals applied for could be found therein)

There are various operational alluvial diamond mines adjacent to these properties on which applications for prospecting rights have been lodged. In house information exist which substantiate the reasons for this application.

Research programmes pertaining to the diamondiferous potential of alluvial gravels on the farm Slypsteen Hopetown district have been conducted.

Based on the field observations the areas can be considered as potential alluvial diamond bearing areas.

4.3 Attach a geological map that justifies the description why there is a possibility that the minerals applied for could occur on the land concerned.



See annexure "C"

5. REGULATION 7(1)(f)

A DESCRIPTION OF HOW THE MINERAL RESOURCE AND MINERAL DISTRIBUTION OF THE PROSPECTING AREA WILL BE DETERMINED

5.1 SITE VISIT

A formal site visit will be done within 90 days after the prospecting right was executed.

5.2 DESKTOP STUDIES

Desktop studies will be undertaken after a site investigation was done to determine the target areas including the identification of any infrastructure to be build and any potential problems that may need to be addressed.

5.3 PITTING

Pits will be digged by an excavator to look for gravel. If gravel is found, the applicant will determine the composition and quality of the gravel.

5.4 TRENCHES

The applicant will proceed with this way of prospecting by means of the open cast / trenching method, simultaneously or after pitting depending on the information obtained from the earlier work done. The trenches will be digged to remove and to wash the gravel. It will be washed by 1 x 16 feet washing pan to determine diamond proceeds per 100 ton of gravel.

5.5 CONSOLIDATION AND INTERPRETATION OF RESULTS DATA

All data will be consolidated and processed to determine the diamond bearing resource on the property. This will be a continuous process throughout the prospecting work program.

REGULATION 7(1)(h)

ALL PLANNED PROSPECTING ACTIVITIES MUST BE CONDUCTED IN PHASES AND WITHIN SPECIFIC TIMEFRAMES

PHASE	PROSPECTING METHOD	0 - 3	4 – 6	7 - 48	49-60
1	Site Visit	Х			
2	Desktop Studies		Х		
3	Pitting			Х	
4	Trenches			Х	
5	Consolidation and interpretation of results data; Preparation of mining right application or renewal of the prospecting right.				Х

REGULATION 7(1)(i)

TECHNICAL DATA DETAILING THE PROSPECTING METHOD OR METHODS TO BE IMPLEMENTED AND THE MINE REQUIRED FOR EACH PHASE OF THE PROPOSED PROSPECTING OPERATION

PHASE 1 – SITE VISIT

GENERAL	A site visit will be conducted within 3 months	
	after execution of the Prospecting Right. It is	
	envisaged that the information will be obtained	
	from the site visit to do the desktop studies and	
	other prospecting activities.	
TIMEFRAME	0-3 months	
COSTS	R15 000	
TECHNICAL SUPPORT	Environmental Consultant – Milnex 189 CC	
	Geologist – Pierre de Jager	

PHASE 2- DESKTOP STUDIES

1.	GENERAL	Desktop studies will be undertaken after the site	
		investigation has was done to determine the	
		target areas including the identification of any	
		infrastructure to be build and any potential	
		problems that may need to be addressed.	
2.	TIMEFRAME	3 months (4 -6)	
3.	COSTS	R15 000	
4.	TECHNICAL SUPPORT	Environmental Consultant – Milnex 189 CC	
		Geologist – Pierre de Jager	

PHASE 3 - PITTING

1.	GENERAL	The information obtained from the desktop		
		studies will be used to draw up a pitting map.		
		The location and GPS coordinates of where pits		
		will be digged, will be indicated on this map		
		(pitting location map). Pits will then be digged by		
		an excavator on these mapped coordinated		
		points. If gravel is found the applicant will		
		determine the composition and quality of the		
		gravel. It is envisaged that the pits will determine		
		the location and intersection of mineralization.		
2.	TIMEFRAME	42 months		
3.	NUMBER OF PITS	100		
4	EXTENT	3m x 2m x 5m		
5.	CALCULATION	Area: 1268.6895 hectares		
		Pit every 12 hectares		
6.	COSTS	R1000 x 100 = R100 000.00		
7.	TECHNICAL SUPPORT	Environmental Consultant – Milnex 189 CC		
		Geologist		
		1 X Excavator		

PHASE 4 – TRENCHES

1.	GENERAL	The applicant will proceed with this way of
		prospecting by means of the open cast /
		trenching method, after and or simultaneously
		pitting and depending on the results. The
		location where the trenches will be digged, will
		be determined after the gravel has been located
		by conducting the desktop studies and the
		digging of pits. The trenches will be digged on
		the parts of the property where the gravel is

		located. Trenches will be sited on the resource
		map according to the coordinate of each of the
		trenches made. The trenches will be digged to
		remove and wash the gravel. It will be washed by
		a 16 feet washing pan to determine diamond
		proceeds per 100 ton of gravel. The trenches will
		be sited to determine the geological
		representivity. Overburden will be stripped and
		placed next to the trench as determined in the
		EMP. Gravel will be removed and transported to
		the plant to be washed. Tailings will be returned
		to the excavation to fill it up. Hereafter
		overburden will be dumped in the excavation
		where after topsoil will be placed in the
		excavation.
2.	TIMEFRAME	42 months
3.	NUMBER OF TRENCHES	30
4	EXTENT	30m x 20m x 5m
5.	CALCULATION	Area: 1268.6895 hectares
		Trench every 63 hectares
6.	COSTS	R5000 x 20 = R200 000.00
7.	TECHNICAL SUPPORT	1 x Cummins Generator
		2 x Luigong CLG862 Wheel loader
		1 x Bell B30 D Dumper
		2 x Liugong CLG 936D Excavator
		1 x 16 Ft Pan with Conveyor
8.	TONS TO BE WASHED	30m x 20m x 1.5m x 2.2 x 30 = 59,400 tons

PHASE 5- CONSOLIDATION AND INTERPRETATION

1.	GENERAL	All data will be consolidated and processed to	
		determine the diamond bearing resource on the	
		property. This will be a continuous process	
		throughout the prospecting work. Each phase of	
		prospecting will be followed by desktop studies	
		involving interpretation and modeling of all data	
		gathered and how the applicant will proceed with	
		the work program in terms of activity, quantity,	
		resources expenditures and duration. A pre-	
		feasibility study will be done to determine the	
		preliminary economic assessment of the resource	
		and to determine whether additional evaluation	
		of the deposit will be warranted to increase	
		confidence in the resource estimation.	
		Prospecting work will be conducted by a multi-	
		disciplinary team to determine whether the	
		resource can be viable exploited and if the results	
		can support an application for a mining right.	
2.	TIMEFRAME	12 months	
3.	COSTS	R20 000	
4.	TECHNICAL SUPPORT	Environmental Consultants,	
		Geologist – P de Jager	

Table 5.1 The table below incorporates the information required in respect of Regulations 7(1)(f), 7(1)(h) and 7(1)(i):

Phase	Activity	with Skill(c) required Timeframe Outcome	uired Timeframe	Skill(s) required Timeframe	Outcome	Timeframe for	What technical expert will sign
Pilase	Activity	Skiii(s) required	rimeirame	Outcome	outcome	off on the outcome?	
One	Non-Invasive Prospecting	Environmental	Month 0 – 3	Finalization of the prospecting	Month 3	Environmental Consultants –	
	Site Visit	Consultant,		work to be done		Milnex	
		geologist				Geologist – Pierre de Jager	
Two	Non-Invasive Prospecting	Environmental	Month 4 - 6	The finalization of the map for	Month 6	Milnex – Environmental	
	Desktop Studies	Consultant,		pitting		Consultants	
		geologist					
Three	Invasive Prospecting	Environmental	Month 7 - 48	Obtaining information about	Month 48	Milnex - Environmental	
	Pitting	Consultant,		location of the gravel and		Consultants	
		geologist		where bulk samples will be		Geologist - Pierre de Jager	
				made			
Four	Invasive Prospecting	Environmental	Month 7 - 48	The determination of the	Month 48	Milnex - Environmental	
	Trenches	Consultant,		diamond resource bearing		Consultants	
		Machine Operators,		resource, the extent of the		Geologist – Pierre de Jager	
		Pan Operators,		resource, the life of mine,			
		Mine Health and		diamond proceeds per 100			
		Safety,		tons of gravel washed (cpht)			
		Environmental		and average price per carat			
				for the diamonds			
Five	Non-Invasive Prospecting	Environmental	Month 49 – 60	The extent of the resource,	Month 60	Milnex - Environmental	
	Consolidation and interpretation of	Consultant, geologist		The life of mine		Consultants	
	results					Geologist - Pierre de Jager	

6 REGULATION 7 (1)(g)

A DESCRIPTION OF THE PROSPECTING METHOD OR METHODS TO BE IMPLEMENTED

(i) DESCRIPTION OF PLANNED NON-INVASIVE ACTIVITIES:

(These activities do not disturb the land where prospecting will take place e.g. aerial photography, desktop studies, aeromagnetic surveys, etc)

1. Site Visit

A formal site visit will be done within 90 days after the prospecting right was executed.

2. Desktop Studies

Desktop studies will be undertaken after the site investigation has been done to determine the target areas including the identification of any infrastructure to be build and any potential problems that may need to be addressed.

3. Consolidation and interpretation of results data

All data will be consolidated and processed to determine the diamond bearing resource on the property. This will be a continuous process throughout the prospecting work program.

(ii) DESCRIPTION OF PLANNED INVASIVE ACTIVITIES:

(These activities result in land disturbances e.g. sampling, drilling, bulk sampling, etc)

1. Pitting

After the desktop studies, the applicant will use the info to draw a pitting map. The location and GPS coordinates of where the first pits will be digged, will be indicated on the map also referred to as a pitting location map. Pits will then be digged by an excavator at these mapped coordinated points. If gravel is found, the applicant will determine the composition and quality of the gravel. For proper evaluation of the composition and the quality of the gravel it is necessary for the applicant

to dig these prospecting pits. It is envisaged that the pits will determine the location and intersection of mineralization. The location of the further pits to be digged will be determined as pits are digged.

2. Trenches

The applicant will proceed with this way of prospecting by means of the open cast / trenching method, after and or during pitting. The location of the trenches will be determined after the gravel has been located by conducting the desktop studies and the digging of pits. The trenches will be digged on the parts of the property where the gravel is located. Trenches will be sited on the resource map according to the coordinate of each of the trenches made. The trenches will be digged to remove and wash the gravel. It will be washed by a 1 x 16 feet washing pans to determine diamond proceeds per 100 ton of gravel. The trenches will be sited to determine the geological representivity. Overburden will be stripped and placed next to the trench as determined in the EMP. Gravel will be removed and transported to the plant to be washed. Tailings will be returned to the excavation to fill it up. Hereafter overburden will be dumped in the excavation where after topsoil will be placed in the excavation.

Commitment to provide addendums in respect of additional prospecting activities

I herewith commit to provide the Department of Mineral Resources with an addendum in respect of both the EM Plan and Prospecting Work Program regarding any future infill prospecting required but not described above, prior to undertaking such activities. The addendum will cover all the Regulations as per the Prospecting Work Program.

I agree that the addendums will provide for similar activities only and if the scope changes I would be required to apply in terms of Section 102 of the MPRDA for an amendment of the Prospecting Work Program.

ACCEPT	Х

(iii) DESCRIPTION OF PRE-FEASIBILITY STUDIES

(Activities in this section includes but are not limited to: initial, geological modeling, resource determination, possible future funding models, etc)

All data will be consolidated and processed to determine the diamond bearing resource on the property. This will be a continuous process throughout the prospecting work program.

(iv) DESCRIPTION OF BULK SAMPLING ACTIVITIES

This activity requires that an application in terms of Section 20 of the Act is specifically included in your application for a prospecting right and cannot be proceeded with if such permission is not specifically granted.

See annexure "D" for an application in terms of Section 20 of the Act

Table 6.1: Bulk Sampling Activities

ACTIVITY		DETAILS					
Number of pits/trenches planned		100 Pits ; 30 Trenches					
Dimensions of	Number	of	Length		Width		Depth
pits/trenches, per pit/	pits/trenches						
trench	100 pits		3m	X	2m	X	5m
	30 trenches		30m	X	20m	Х	5m
Locality		The locality of the trenches will only					
		be determined after the field mapping					
		has been done and the pits have been					
			dug.				
Volume Overburden (Waste)			30m x 20m x 3.5m x 30 = 63 000m ²				
Volume Ore		30m x 20m x 1.5m x 30 = 27 000m ²					
Density Overburden		1.8					
Density Ore		2.2					
Phase(s) when bulk sampling will be		Phase 4					
required							

Timeframe(s)	Pitting: 42 months
	Trenches: 42 months

Commitment to provide for an addendum in respect of additional bulk sampling activities

I herewith commit to provide the Department of Mineral Resources with an addendum to the Prospecting Work Program, and an Environmental Management Plan for approval prior to undertaking any future bulk sampling activities not described above.

ACCEPT	Х

7 REGULATION 7(1)(j)(i)

DETAILS WITH DOCUMENTARY PROOF OF THE APPLICANT'S TECHNICAL ABILITY OR ACCESS THERETO TO CONDUCT THE PROPOSED PROSPECTING OPERATION

7.1 Competencies to be employed in terms of the Mine Health and Safety Act

COMPETENCIES TO BE EMPLOYED
Mine Manager
Equipment Manager
Safety Officer
Electricians
Operators
Environmental Consultants
Geologist

I herewith confirm that I, in Table 9.1 have budgeted and financially provided for the required skills listed above.

CONFIRMED	Х

7.2 List of Appropriate equipment at your disposal (If applicable)

Table D: Appropriate Equipment available

- 1. 400KVA John Deere generator
- 2. Finlay 885+
- 3. Bell B30 Dumper
- 4. Bell B30 Dumper
- 5. Bell B25 Dumper
- 6. 3 x 936 LuiGong Excavator
- 7. 3 x 862 LuiGong Loader
- 8. Man 26 480KW Truck
- 9. Dyna 3 Ton
- 10. Tata Bus 32 seater
- 11. Mahindra LDV
- 12. Toyota D4D 3.0 Bakkie

7.3 Technical skills provided Free of Charge

- 7.3.1 Information (CV's) in respect of skills already acquired
 - Environmental Consultants see annexure "E"
 - CV`S of workers "F"
 - Geologist Pierre de Jager "G"
- 7.3.2 Copy of the relevant contractual agreements between the service provider and the applicant relative to the duration of the planned prospecting period, where applicable
 - Environmental Consultants see annexure "E"
 - CV`S of workers "F"
 - Geologist Pierre de Jager "G"
- 7.3.3 All other evidence of Technical Ability

List of Equipment – annexure "H" and Employees – annexure "F"

8 REGULATION 7 (1)(j)(ii)

DETAILS WITH DOCUMENTARY PROOF OF A BUDGET AND DOCUMENTARY PROOF OF THE APPLICANT'S FINANCIAL ABILITY OR ACCESS THERETO

As proof of the applicant's financial ability or access thereto, the following documents are annexed:

- ➤ Letter of undertaking annexure "I"
- > Financial statements annexure "J

9 REGULATION 7 (1)(k)

A COST ESTIMATE OF THE EXPENDITURE TO BE INCURRED FOR EACH PHASE OF THE PROPOSED PROSPECTING OPERATION

Table 9.1

ACTIVITY	YEAR 1 Expenditure	YEAR 2 Expenditure	YEAR 3 Expenditure	YEAR 4+5 Expenditure
PHASE 1				
Site Visit	R15 000	-	-	-
PHASE 2				
Desktop Studies	R15 000	-	-	-
PHASE 3				
Pitting	R14 285	R28 570	R28 570	R28 570
PHASE 4				
Trenches	R28 571	R57 142	R57 142	R57 142
PHASE 5				
Pre-Feasibility				R20 000
Labour	R50 000	R100 000	R100 000	R100 000
Rehabilitation	R40 000	R80 000	R80 000	R80 000
Diesel & Maintenance	R30 000	R60 000	R60 000	R60 000
Annual Total	R192, 856	R325,712	R325, 712	R345,712
			Total Budget	R1, 189,992

10 FINANCIAL ABILITY TO GIVE EFFECT TO THE WORK PROGRAMME

10.1 The amount required to finance the Work Program

From the proposed budget it can be assumed that the amount of R1, 189, 992.00 would be required to finance the Work Program.

10.2 Detail regarding the financing arrangements

- Letter of undertaking "I"
- Financial Statements "J"

10.3 Confirmation of supporting evidence appended

- Financial Statements "J"
- 11 Confirmation of the availability of funds to implement the proposed project
 - Financial Statements "J"
- 12 I herewith confirm that I have budgeted and financially provided for the total budget as identified in Regulation 7(1)(k).

CONFIRMED	Х

13 REGULATION 7(1)(m)

UNDERTAKING, SIGNED BY THE APPLICANT, TO ADHERE TO THE PROPOSALS AS SET OUT IN THE PROSPECTING WORK PROGRAMME

Table 13.1

Herewith I, the person whose name and identity number is stated below, confirm that I am the Applicant or the person authorized to act as representative of the Applicant in terms of the resolution submitted with the application, and undertake to implement this prospecting work program and adhere to the proposals set out herein.

Full Names and Surname	JACOBUS SMIT
Identity Number	590620 5091 088
Date	26 May 2016

ANNEXURE D

<u>APPLICATION IN TERMS OF SECTION 20 (2) PERMISSION TO REMOVE AND DISPOSE</u> <u>OF MINERALS</u>

Name of applicant:	Jacobus Smit
ID number:	590620 5091 088
Postal address:	P.O. Box 754
	Schweizer-Reneke
	2780
Telephone number:	083 2904913
Fax number:	053 963 2009
Description of area a	pplied for:
1. Remaining ex	tent of the farm Slypsteen 42;
Registration D	Division: Hopetown RD
Extent: 1268.0	5895 hectares
Province: Nor	thern Cape
• •	applies for permission to remove and dispose for own account alluvial diamonds and diamonds general found on the above
Signed at Schweizer-I	Reneke on 26 May 2016.
APPLICANT	

ANNEXURE K: UNDERTAKING

UNDERTAKING OF JACOBUS SMIT

I, Jacobus Smit hereby undertakes to fund the application for a prospecting right in terms of

sections 16 and 17 of the Mineral and Petroleum Resources Development Act and to

prospect for diamonds on:

1. Remaining extent of the farm Slypsteen 42;

Registration Division: Hopetown RD

Extent: 1268.6895 hectares

Province: Northern Cape

It is confirmed that there is money available for the conducting of the prospecting activities.

This money will be made solely available for the conducting of the prospecting activities.

See the financial statements of J Smit attached to the application as proof of availability of

funding.

Signed at Schweizer-Reneke on 26 May 2016.

APPLICANT

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