



REPUBLIC OF NAMIBIA

MINISTRY OF ENVIRONMENT AND TOURISM

Tel: +264 61 284 2111  
Fax: +264 61 229 936

Cnr of Robert Mugabe & D  
Kenneth Kaunda Street  
Private Bag 13306, Windh.

Department of Environmental Affairs

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PRO FORMA ENVIRONMENTAL CONTRACT FOR SAND MINING

Village/town	Region	Constituency
Omakango	Oshanaungwa	Endola

Environmental Management Act, 2007 (Section 32)

NB: All questions are mandatory and thus must be fully completed, and all proposed sites must be 100 metres away from infrastructure / built-up area

PART 1 A: DETAILS OF APPLICANT

1. Name (person or business): WML Consulting Con behalf of Roads Authority

2. Business registration/identity no: 2003/255

3. Correspondence address: P O Box 2143, Winchhoek

4. Name of contact person: Fram Malan

5. Position of contact person: Resident Engineer

6. Telephone or cell phone number: 081 258 9306 / 081 127 2236

7. Fax number: \_\_\_\_\_

8. Email address: fram@wmleng.com / ShikangalaM@ra.org.na

NB: The completion of this questionnaire is a requirement under Section 20(1) of the Environmental Management Act no. 07 of 2007. Therefore it must be filled in as truthfully and reliably as possible. It must be noted here that the proponent is accountable for any wrong and misleading information that may be provided in this questionnaire. From this perspective, any person who completes this questionnaire must read and sign the declaration on the last page of this questionnaire.

I hereby certify that the particulars given above are correct and true to the best of my knowledge and belief. I understand that the environmental clearance certificate may be suspended, amended or cancelled if any information given above is false, misleading, wrong and incomplete.

Signature of applicant: [Signature] Full name in block letters: Fram Malan Position: Resident Engineer

on behalf of: ROADS Authority Date: 15/09/2021

**PART 1 B: DRAW PLAN OF THE PROPOSED SITE INDICATING SURROUNDING FEATURES:**

See ATTACHED PLAN

**NB: The Plan must include (Alternatively attach a map of the site)**

- Latitude and longitude of the area
- Thematic map for land uses in proximity of the proposed site (and the surrounding 1 km)
- Water bodies such as rivers, lakes, ponds etc.
- Any forest area, natural reserve and game reserve etc.

**Note: The name of each area on map must be provided**

**PART 2 A: CONSENT BY VILLAGE HEADMEN, TRADITIONAL AUTHORITY OR PRIVATE FREEHOLDER**

**For Village Headman**

1. Name of TA headman/freeholder: SIMON JONAS
2. Postal address: P O Box 410, OSKATI
3. Telephone or Mobile no.: 081 355 6262
4. Email address (if applicable): ID 4604180015

**For Traditional Authority or Freeholder**

1. Name of TA headman/freeholder: \_\_\_\_\_
2. Postal address: \_\_\_\_\_
3. Telephone or Mobile no.: \_\_\_\_\_
4. Email address (if applicable): \_\_\_\_\_

**Comment and recommendation by the traditional authority /private freeholder (landowner)**

\_\_\_\_\_  
\_\_\_\_\_

Stamp and signature of representative: \_\_\_\_\_ Date: \_\_\_\_\_



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Signature of applicant: [Signature] Full name in block letters: Fram Malan Position: Resident Engineer

on behalf of: ROADS Authority Date: 15/09/2021

**PART 2 B: CONSENT BY REGIONAL COUNCIL OR LOCAL AUTHORITY**

For regional council or local authority represented by Chief Regional Officer (CRO) or Chief Executive Officer (CEO)

1. Name of CRO/CEO: Phillipus H. SHTLONGO
2. Postal address: Private Bag 8801, ESTERHA
3. Telephone or Mobile no: 081 124 2626
4. Email address (if applicable): phshtlengo@ehangweni.rc.gov.nq

Comment and recommendation by the Chief Regional Officer or Chief Executive Officer

Gravel is urgently required to complete the construction of access roads to schools and clinics in Ohangweni region.

Stamp and signature of representative: \_\_\_\_\_ Date: \_\_\_\_\_

**NB: The completion of this questionnaire does not revoke provision 33 of the Environmental Management Act No. 7 of 2007 for the Environmental Commissioner to decide whether an activity requires an assessment but complements the process. Therefore a full environmental impact assessment (EIA) process may be required depending on the magnitude of the proposed project.**

**PART 3: GENERAL DESCRIPTION OF THE PROJECT**

Please tick the appropriate answer with an (✓).

**1. General information:**

Name of the site:	<u>ACCESS ROADS TO SCHOOLS AND CLINICS IN ESTERHA CONSTITUENCY</u>
Size of the site (hectares):	<u>1 ha</u>
Tenure of operation (years):	<u>1 year</u>
Expected cost of the project:	<u>N\$ 700 000 - 00</u>

**2. Sourcing of sand:**

Activity site	Yes	No
River/floodplain		<input checked="" type="checkbox"/>
Lake/reservoir		<input checked="" type="checkbox"/>
Agricultural land (Future)	<input checked="" type="checkbox"/>	
Seaside/Watercourse		<input checked="" type="checkbox"/>
Homestead/crop fields		
Others, please specify:		<u>N/A</u>

3. What is: (a) the intended use of sand and (b) the scale and volume of proposed sand mining:

Intended use of sand	Tick mark (✓)
Household-building activities	
Commercial housing construction	
Commercial road construction	
Commercial bulk sale	
Others <i>Roads Construction</i>	✓

Scale and total volume of proposed sand mining (Unit)	Tick mark (✓)
<100 m <sup>3</sup>	
100–500 m <sup>3</sup>	
500–1000 m <sup>3</sup>	
>1000 m <sup>3</sup> <i>5000m<sup>3</sup></i>	✓

#### 4. Location sensitivity details

(a) Is the proposed activity site near/in the following installations?

Important installations	Yes/no	Name	Distance (m)
Public utility (i.e. schools, colleges, hospitals, picnic spots, bridges etc.)	NO		> 2 km
Tourist site / worship area / graveyard	NO		> 2 km
Governmental installations (e.g. police stations, government, building, defense installations, etc.)	NO		> 2 km
Protected area	NO		> 2 km
Any other installation nearby? Please specify:	NO		

**Note:** Sustainable sand mining guidelines state that the proposed area should be away from these important installations. Guidelines also specify certain distances as per the sensitivity of the area.

Remarks if any:

*Area is located in open ground, not inside of fencing. Overburden to be removed and BP to be rehabilitated after use.*

(b) Land use pattern of site lease

Land type	Area (hectare)
- Private land	
- Government land	
- Other (specify) <i>Communal</i>	<i>1 ha</i>
- Total	<i>1 ha</i>

(c) Is the project likely to affect local community member(s)?  
Yes  No

(d) If the answer is yes, does the proposed project involve people relocation?  
Yes  No

(e) If the answer is yes

Number of affected people

Types of compensation

(f) Was compensation provided to affected people? Yes  No

If the answer is yes, describe the compensation and other amenities provided.

Section 44 of Environmental Management Act No. 7 of 2007, and Sub-Regulation 21 provide guidance on consultative procedures and methods that must be followed during the environmental assessment process for listed activities. This is necessary to allow the public (Interested and Affected Parties) to give input on how best to avoid and/or mitigate potentially negatives impacts.

**5. Public consultations:**

(a) Were public consultations held? Yes  No

If the answer is yes, please attach proof with the application. (See attached)

If the answer is no, please refer to the EMA Regulation 21—conduct and attach proof.

(b) Are the project concept note and/or activities shared with members of the community?  
Yes  No

If the answer is yes, provide a copy of the concept note.

If the answer is no, please consult community and attach proof

(c) Are there any other mines located adjacent to the proposed project site?  
Yes  No

If the answer is yes, provide the name and type of the mines within a radius of 1 km.

(c) Attach a No Objection Certificate from the concerned authority with the application

(d) Is there complaint of air and water pollution due to existing mines near the proposed site?

Yes  No

(e) Will the project affect the local drainage or drainage pattern?

Yes  No

If the answer is yes, describe the number of natural drains likely to be impacted and whether the project proponent has taken any initiatives to avoid/minimize impacts. Give details of such initiatives.

N/A

#### 6. Local biodiversity

(a) Does the site preparation require clearing of vegetation (including cutting of trees)?

Yes  No

If the answer is yes, please furnish the following details?

1. Description the type of vegetation and number of species to be affected:

Mopine trees, Thorn trees and Bushes

2. Number of trees proposed to be cut:

10

(b) Are these species categorized as protected/endemic/endangered/threatened species?

Yes  No

If the answer is yes, provide details

N/A

(c) Does the proposed project impact local fauna?

Yes  No

(d) If the answer is yes, will it impact protected/endemic/endangered/threatened species?

Yes  No

If yes, provide details

N/A

e) Soil type and characteristics, tick appropriate:  Sand  Clay  Loam  Other, please provide description;

Gravel

### 7. Sand mining details

#### (a) Method of mining operations

No.	Type	Please tick	Size of site (large / medium / small)	Mining method (manual / semi-mechanized / mechanized / any other (specify))
1	Open cast	<input checked="" type="checkbox"/>	Small	Mechanized
2	Others (specify)			

(b) Number of mining shift: 1 Shift

(c) Proposed maximum depth of the borrow pit (m): 410 m; does it intersect with ground water table?

(d) Top soil generation (m<sup>3</sup>) 10 000 m<sup>3</sup>  
*Applicable if mining is proposed on agricultural land or a crop field or homestead.*

Proposed measures for top-soil conservation and management

Overburden to be removed, then rehabilitated after use.

(e) In the case of river-sand mining, provide following information:

Distance from hydraulic structure such as pumping station, water intakes, and bridges

5 km

Number of other operators within 1 km upstream

5<sup>57</sup> km 0

Number of other operators within 1 km downstream

0

Distance of proposed mining site from the bank

0

### 8. Resource requirement:

(a) Mode of **transportation** of mined material

Dump Trucks

If dumper / trucks is used, Expected number of dumpers

4

List the equipment to be used during mining operation.

Bull Dozer, Excavator, Tipper Trucks



(b) Will the project use **blasting / explosives** Yes  No

If the answer is yes, has the proponent obtained the permit / licence from an authorized body? If yes, attach a copy of the permit / licence with the application.

(c) **Water**  
Source of water

Quantity of water used (m<sup>3</sup> / day)

(d) **Employment:**  
- Total employment potential from proposed mine: 10

- Types of employment: Contract  Daily wage  Permanent

(e) **Fuel requirement**  
Quantity of fuel (litre/day): 700 litre/day

If fuel is stored at site, describe the safeguard measures that would be undertaken

Fuel stored at Contractor's site camp 5 km away from site in protected tank from Northern fuel suppliers

**9. Road construction:**

(a) Describe the road connectivity from the proposed site.

Track from B.P to tar road = 3 km, to road 30 = 6 km, to road 32 = 4 km, to road 33 = 4.5 km, to road 34 = 2 km.

(b) Will proposed site require construction of new roads?

Yes  No

If the answer is yes, length of the road (km)

Type of road constructed

Number of trees to be cut during the construction

**PART 5: ENVIRONMENTAL MANAGEMENT PLAN**

Sand mining is a listed activity as per the Environmental Management Act No. 7 of 2007 and it may not be undertaken without a valid Environmental Clearance Certificate. Therefore, it is recommended that an Environmental Management Plan section of this application is completed or a detailed separate EMP submitted.

ENVIRONMENTAL CONSERVATION	
Conservation of flora (including cultivated crop fields, riverine ecosystems and River flow Regime)	Proposed mitigation measures for conservation of flora  B.P Will be rehabilitated. (See B.P rehabilitation guidelines)
Conservation of fauna (including wildlife and livestock)	Proposed mitigation measure for conservation of fauna  Rehabilitation of B.P requiring side slope of 1:3 to avoid drowning
Rehabilitation of mined site (including borrow pits, tracks and roads)	Proposed measure for rehabilitation and resettlement  Follow rehabilitation guidelines Rehabilitation certificate to be signed by headmen and landowners
ENVIRONMENT PROTECTION	
Air pollution	Proposed mitigation measures for air pollution / dust control  Haul Roads to be watered if dust occurs.
Protection of water resources	Proposed mitigation measures for water-pollution control and prevention and for conservation of water resources  N/A
Noise	Proposed mitigation measures for noise  Trucks to have Silencers

ENVIRONMENT PROTECTION CONTINGENCY PLAN	
Health and safety of workers	Proposed measures for safety and health Safety road signs at BP and along haul roads.
Protection of archaeological and cultural site, if any	Proposed measures for protection of archaeological sites and cultural heritage of the project-affected area Not Required
Waste management (i.e. general, mine and hazardous wastes)	Proposed measures for waste minimization and disposal EMP guidelines to be followed.
Amenities to workers	Details amenities proposed

EMP MONITORING, SITE CLOSURE AND DECOMMISSIONING	
EMP implementation records and reporting (attach record sheet)	EMP check list attached
Financial provisions for rehabilitation, site closure and decommissioning	Included in Bill of Quantity
Compensation measure and guidelines (with reference to relevant governing laws)	Compensation forms to be used

#### PART 6: OBLIGATIONS AND COMPLIANCE

The proponent recognises that its sand mining operations may have significant impacts on the environment. Accordingly the proponent undertakes that during the course of its operations it will take every practicable step necessary to ensure the mitigation of such impacts. In doing so it will comply with the obligations identified in the EMP and approved by the Ministry of Environment and Tourism represented by the Environmental Commissioner.

SIGNED AT ONGWEDDUP this 15 day of September 2021

For the proponent: \_\_\_\_\_  
(duly authorised thereto)

For the Government of Namibia: \_\_\_\_\_  
Mr. T. Nghitila  
Environmental Commissioner  
Ministry of Environment and Tourism