REPUBLIC OF NAMIBIA

MINISTRY OF ENVIRONMENT AND TOURISM

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PRO FORMA ENVIRONMENTAL CONTRACT FOR SAND MINING

Village/town	Region	Constituency
OHAILILILI 3	Oshana	Okatana

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

NAMIBIA REVENUE N$100

NAMIBIA REVENUE N$200

PART 1 A: DETAILS OF APPLICANT

1. Name (person or business):	Oukwanyama TRADITIONAL AuthoRITY (O.T.A)
2. Business registration/ identity no.	
3. Correspondence address:	P/Bag H44 – OHANGWENA
4. Name of contact person:	GEORGE T NELULU
5. Position of contact person:	CHAIRPERSON OF OTA
6. Telephone or cell phone number:	065- 260084
7. Fax number:	065-260084
8. Email address:	

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)	GEORGE NELULU	CHAIRPERSON
Signature of applicant	Full name in block letters	Position

on behalf of Oukwanyama TRADITIONAL AuthoRITY   20/04/2020

Date

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IIKELO BORROW PIT

DATE OF SURVEY: APRIL 2020

SURVEYOR: P. NGHIPONDOKA

LEGEND

New borrow pit

Edge of water level

Existing fence

1098.00   Spot height

T | N

Area = 2, 8455 ha

Area = 1, 627 sqm

1098.12   1097.82
1098.01
1097.36
1097.81
1097.46
1097.57
1097.36
1094.14   1091.38
1098.26
1097.99
1097.26
1098.21
1091.43   1091.41
1091.44
1091.40
1094.44
1091.32
1098.21
1091.33   1091.42
1091.45
1097.34
1097.72
1097.80
1097.83
1097.61
1097.95
1097.67
1097.23   1097.45   1098.08
1097.95   1098.00
1095.86
Proposed access road
Existing access road
1096.36
1096.23
1097.88
1097.92

COORDINATES FOR BORROW PIT AT IIKELO

NAME	DY	DX	DZ
st1	-76503.473	-477704.96	1097.996
f1	-76500.372	-477707.818	1098.079
Pt1	-76488.618	-477709.977	1097.461
Pt2	-76447.442	-477710.068	1097.226
f2	-76411.114	-477707.748	1097.949
f3	-76373.48	-477725.33	1097.965
f4	-76368.569	-477723.284	1097.868
Pt3	-76376.402	-477728.962	1097.608
Pt4	-76341.973	-477792.477	1097.249
Pt5	-76341.96	-477792.484	1097.257
Pt6	-76353.913	-477846.551	1097.57
Pt7	-76374.83	-477872.849	1097.812
Pt8	-76410.048	-477881.408	1098.011
Pt9	-76448.247	-477890.387	1098.118
Pt10	-76466.077	-477889.777	1097.817
Pt11	-76496.515	-477878.1	1097.363
Pt12	-76522.989	-477862.144	1097.457
Pt13	-76540.266	-477832.959	1097.362
Pt14	-76559.127	-477817.722	1098.261
Pt15	-76560.687	-477792.453	1098.215
Pt16	-76545.664	-477770.651	1097.719
Pt17	-76511.518	-477744.469	1097.338
Pt18	-76335.208	-477797.916	1097.992
Pt19	-76342.728	-477746.878	1097.826
Pt20	-76379.95	-477764.81	1094.439
Pt21	-76360.68	-477806.333	1094.137
s1	-76373.925	-477806.01	1091.379
s2	-76387.918	-477766.711	1091.398
s3	-76404.767	-477755.373	1091.324
sf5	-76245.85	-477668.487	1096.364
sf6	-76245.704	-477662.67	1096.226
L1	-76267.058	-477686.508	1096.856
L2	-76328.287	-477744.072	1097.798
s4	-76428.853	-477742.971	1091.326
s5	-76459.255	-477738.456	1091.451
s6	-76473.133	-477746.021	1091.419
s7	-76469.945	-477759.837	1091.439
s8	-76464.89	-477770.034	1091.415
s9	-76441.276	-477771.341	1091.434
f7	-76527.011	-477674.962	1097.88
f8	-76529.099	-477668.031	1097.918

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

See the attached map.

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: Augustinus KAKELO

2. Postal address: OHailulu No 3/c ONAMUTAYI

   Mvene Womu...
   Ohailulu N 3/C
   Oshi...a - Onamutay
   Republic of Namib

3. Telephone or Mobile no.: 0814750743

4. Email address (if applicable): N/A

For Traditional Authority or Freeholder

1. Name of TA headman/freeholder: Oukwanyama T.A

2. Postal address: P.O. BOX 444, Ohangwena

3. Telephone or Mobile no.: 065- 260084

4. Email address (if applicable):

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

I Recommended.

Stamp and signature of representative: [stamp: OUKWANYAMA TRADITIONAL AUTHORITY ELELOLOUKWANYAMA — 2 1 APR 2020 — P.O. BOX 444, OHANGWENA TEL/FAX: 065-260084]   Date: 21/04/2020

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:	M. ELAGO
2. Postal address:	OSHANA RC
3. Telephone or Mobile no:	065-2258200
4. Email address (if applicable):	melago@oshanarc.gov.na

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

As per the recommendation of the Headman

Stamp and signature of representative: _____ Date: 24/04/2020

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:	BORROW PIT 5, OKATANA CONSTITUENCY
Size of the site (hectares):	1.627 Sqm
Tenure of operation (years):	3 Years
Expected cost of the project:	2 M

2. Sourcing of sand:

Activity site	Yes	No
River/floodplain		
Lake/reservoir	✓	
Agricultural land		
SeasideWatercourse		
Homestead/crop fields		
Others, please specify:		

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	

Scale and total volume of proposed sand mining (Unit)	Tick mark (√)
<100 m³	
100–500 m³	
500–1000 m³	
>1000 m³	√

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		
Tourist site / worship area / graveyard	NO		
Governmental installations (e.g. police stations, government, building, defense installations, etc.)	NO		
Protected area	NO		
Any other installation nearby? Please specify:	N/A		

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:

(b) *Land use pattern of site lease*

Land type	Area (hectare)
- *Private land*	
- *Government land*	
- *Other (specify)* Traditional.A.	
- *Total*	

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(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 | N|A

Types of compensation | N|A

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

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

| N|A

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.

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.

| N|A

(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.

[ ]

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:

   [ ]

2. Number of trees proposed to be cut:

   [ ]

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

Yes [　　]   No [✓]

If the answer is yes, provide details

[ ]

(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

[ ]

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

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	✓	MEDIUM	semi-Mechanized
2	Others (specify)			

(b) Number of mining shift: __1__

(c) Proposed maximum depth of the borrow pit (m): _____; does it intersect with ground water table? NO

(d) Top soil generation (m³) ___N|A___
Applicable if mining is proposed on agricultural land or a crop field or homestead.

Proposed measures for **top-soil conservation and management**

The top soil will be reserved to be used during the rehabilitation process.

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

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

N|A

Number of other operators within 1 km upstream	N|A
Number of other operators within 1 km downstream	N|A
Distance of proposed mining site from the bank	N|A

8. Resource requirement:
(a) Mode of *transportation* of mined material

Trucks will be used.

If dumper / trucks is used, Expected number of dumpers	3

List the equipment to be used during mining operation.

Excavator, TLB

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(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   N/A – No water source is needed

Quantity of water used (m³/ day)   N/A

(d) *Employment*:

- Total employment potential from proposed mine: __6__

- Types of employment: Contract [ ]   Daily wage [ ]   Permanent [✓]

(e) *Fuel requirement*

Quantity of fuel (litre/day): __200 L/day__

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

No Fuel shall be Stored at site.

9. *Road construction*:

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

Okatana – Edola road

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

         Yes [ ]   No [✓]

If the answer is yes,

Length of the road (km)   N/A

Type of road constructed   N/A

Number of trees to be cut during the construction   N/A

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** The borrow pit is already an existing one, hence no flora will be cut down.
Conservation of fauna (including wildlife and livestock)	**Proposed mitigation measure for conservation of fauna** Should the fauna be encountered, the precautionary measures will be taken together with MET.
Rehabilitation of mined site (including borrow pits, tracks and roads)	**Proposed measure for rehabilitation and resettlement** The top soil will be reserved as an overburden to be used during the rehabilitation process.

ENVIRONMENT PROTECTION

Air pollution	**Proposed mitigation measures for air pollution / dust control** dust suppression methods will be used with water from the nearby oshana/flood plain.
Protection of water resources	**Proposed mitigation measures for water-pollution control and prevention and for conservation of water resources** drip trays will be used on machineries to contain dripping oil if any and they will be disposed off at appropriate site.
Noise	**Proposed mitigation measures for noise** The operation will be limited from 08h00 - 17h00, during normal working days and no operation after 14h00 during the weekends.

ENVIRONMENT PROTECTION Continues.

Health and safety of workers	**Proposed measures for safety and health** The employee will be provided with protective clothes.
Protection of archaeological and cultural site, if any	**Proposed measures for protection of archaeological sites and cultural heritage of the project-affected area** Should the archaeological sites be discovered, it will be reported to the relevant authorities, MET1 & National Heritage Council.
Waste management (i.e. general, mine and hazardous wastes	**Proposed measures for waste minimization and disposal** All waste management, it will be handled as per the approved registratures
Amenities to workers	**Details amenities proposed** Amenities to workers will be provided as needs arises.

EMP MONITORING, SITE CLOSURE AND DECOMMISSIONING

EMP implementation records and reporting (attach record sheet)	
Financial provisions for rehabilitation, site closure and decommissioning	
Compensation measure and guidelines (with reference to relevant governing laws)	

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 _O.T.A._ on this _20_ day of _OY_ 20_20_

For the proponent: _____
(duly authorised thereto)

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