



APP-002275

REPUBLIC OF NAMIBIA

MINISTRY OF ENVIRONMENT AND TOURISM

Tel: +264 61 284 2111  
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Department of Environmental Affairs

Cnr of Robert Mugabe & Dr  
Kenneth Kaunda Street  
Private Bag 13306, Windhoek

PRO FORMA ENVIRONMENTAL CONTRACT FOR SAND MINING

Village/town	Region	Constituency
Okahandja		Okahandja

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 areas

NAMIBIA REVENUE

NS100

MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM

NAMIBIA REVENUE

05 AUG 2022

NS100

Tel: 061 284 2701

NAMIBIA RECEIVED 2

Signature: *Mely*

NS100

PART 1 A: DETAILS OF APPLICANT

1. Name (person or business): Makalani Bricks and Sand CC

2. Business registration/identity no. CC/2003/1589

3. Correspondence address: P.O. Box 808 Okahandja

4. Name of contact person: Carel van Schalkwyk

5. Position of contact person: Operational Manager

6. Telephone or cell phone number: 062 503868 0812794547

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

8. Email address: mak@afol.com.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]* CAREL STEPHANUS VAN SCHALKWYK  
 Signature of applicant Full name in block letters Position *Operational Manager*

on behalf of Makalani Bricks and Sand CC 27/7/2022  
 Date

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

See attached maps (2)

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: ..... N/A
2. Postal address: ..... N/A
3. Telephone or Mobile no.: ..... N/A
4. Email address (if applicable): ..... N/A

**For Traditional Authority or Freeholder**

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

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

Stamp and signature of representative: ..... Date: .....

# OKAHANDJA

## PORTION 331



### Legend

- 5m Contours
- Thick Roads
- Sand Mining
- Portion 331
- Township Extensions
- Farm Pth
- Even

Point	POINT X	POINT Y
A	16.923322	-22.007682
B	16.921522	-22.006314
C	16.923116	-22.004577
D	16.924106	-22.000329
E	16.924934	-22.000330
F	16.924916	-22.004177
G	16.924597	-22.006108

# AERIAL MAP

NOTES  
The copyright of this drawing is reserved

PREPARED BY

P O BOX 11929  
Klein Windhoek  
WINDIHOEK  
CELL: 081-265759  
TEL: 081-300820  
FAX: 081-401284



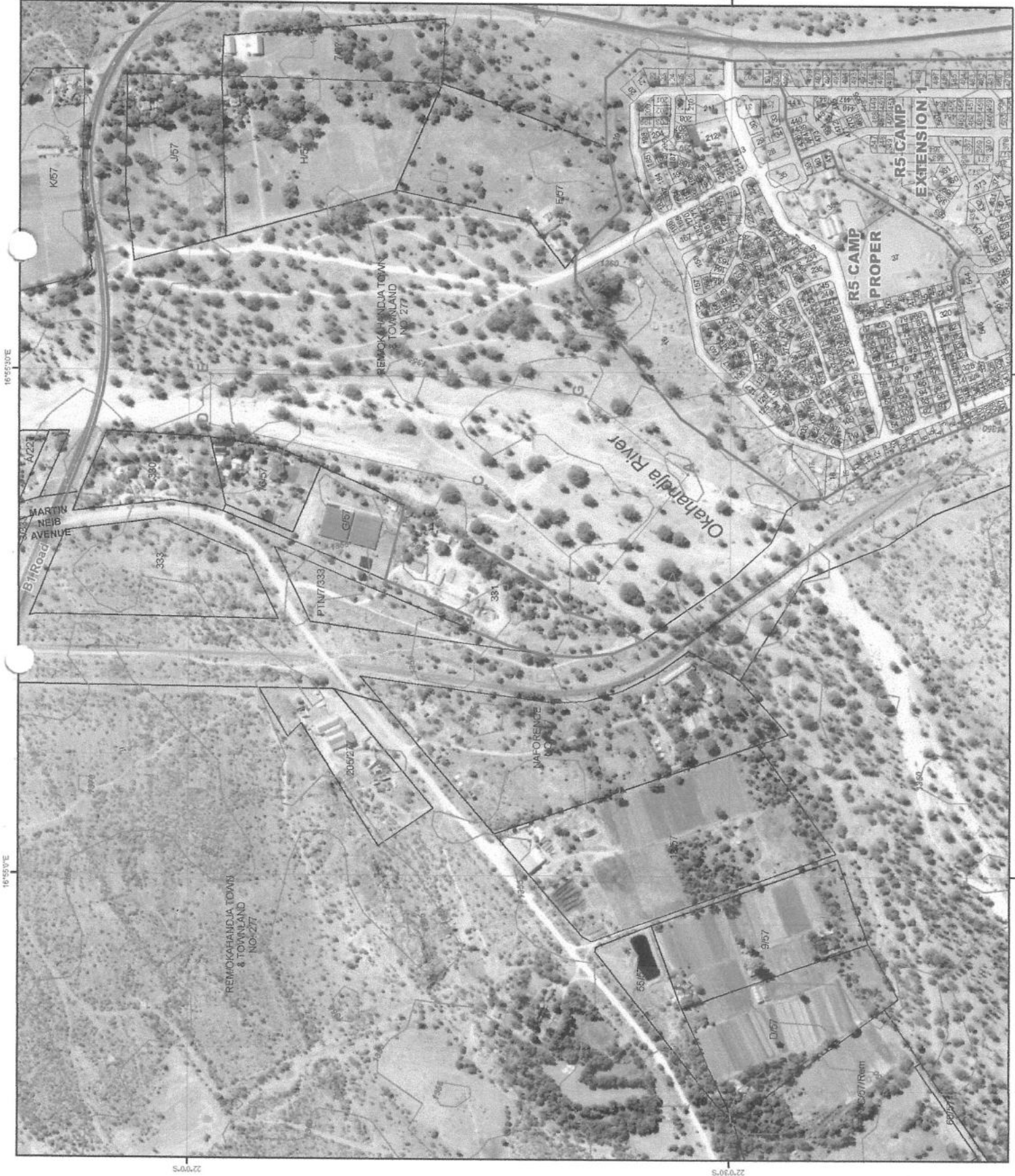
SURVEY: DATE: May 2022

DESIGN: Urban Green

DRAWN: GeoBusinessAfrica.com

DRAWING NO: PTN 131 Aerial Map

SCALE: 1:5,000



# OKAHANDJA

## PORTION 331



### Legend

- Portion 331
- General Residential 1
- Government
- Institutional
- Light Industrial
- Local Authority
- Township Extensions
- Parastatal
- Private Open Space
- Public Open Space
- Railway
- River
- Nature Reserve
- Protected Area
- Residential 1
- Residential 2
- Residential 3
- Business
- Agricultural
- Cemetery
- Single Residential
- Special
- Educational
- Future Development
- Street
- General Business
- General Industrial
- Undetermined
- General Residential
- Underown

Point	POINT X	POINT Y
A	16.923322	-22.007682
B	16.921522	-22.006314
C	16.923116	-22.004577
D	16.924106	-22.000329
E	16.924934	-22.000330
F	16.924916	-22.004177
G	16.924697	-22.006108

### LAND USE MAP

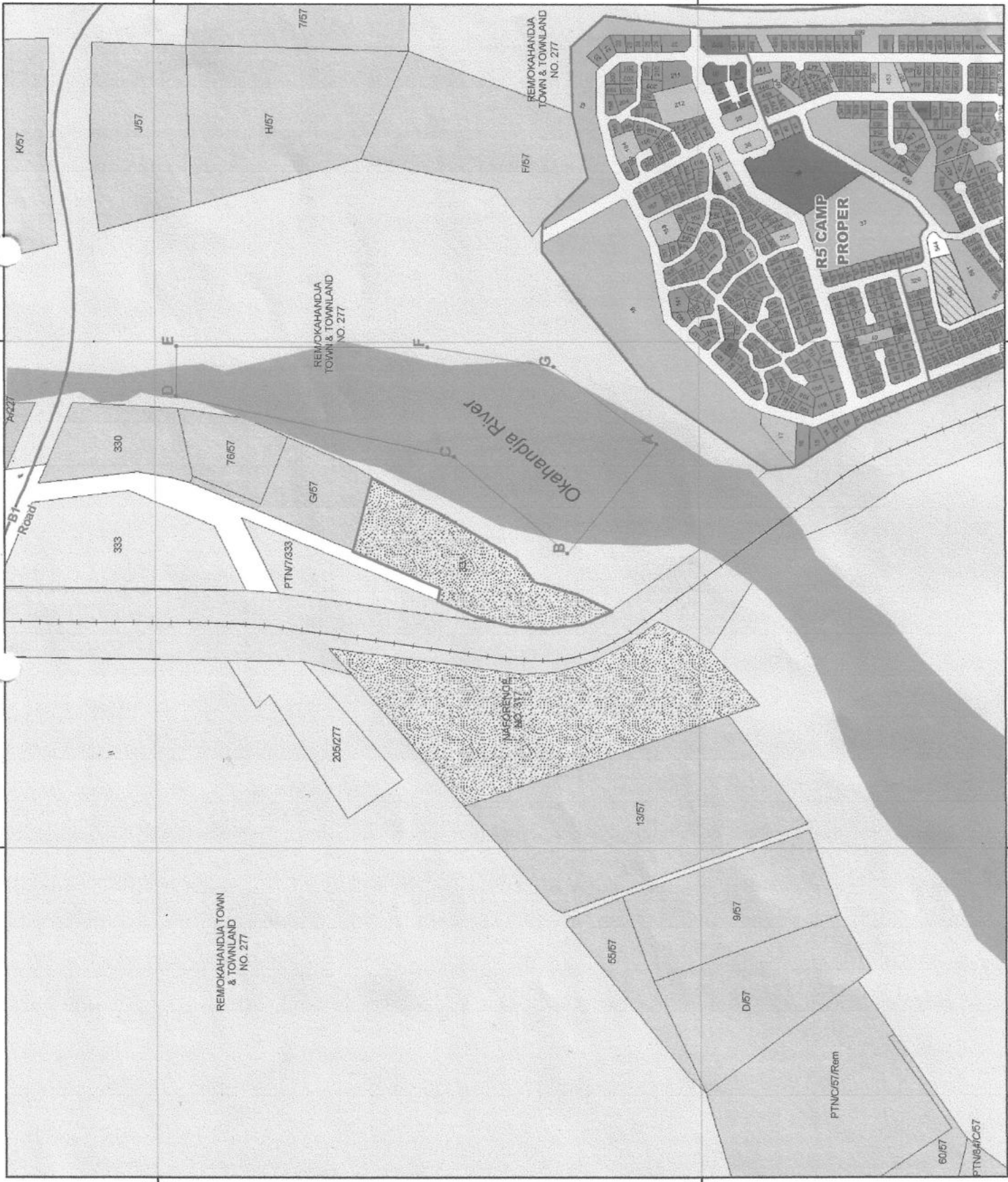
NOTES: The copyright of this drawing is reserved

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SURVEY	DATE
REGINA Urban Green	May 2022
CREATED	DATE
CREATED: Suburban Extensions	May 2022
DRAWING NO.	PTN 331 Land use Map
2	108
SCALE	1:6,000
	0 50 100 150 200 Meters



**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: MR. Alphons Tjitombo
2. Postal address: P.O. Box 15, Okahandja
3. Telephone or Mobile no: 062-505101 / 0814554134
4. Email address (if applicable): ceo@okahandja.org.na

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

Stamp and signature of representative:



Date: 02 August 2022

NB: The completion of this questionnaire does not revoke provision 35 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>Makalani Bricks and Sand cc</u>
Size of the site (hectares):	<u>Between 15 and 20 hectares</u>
Tenure of operation (years):	<u>Approx. 20-40 years</u>
Expected cost of the project:	<u>attached to demand</u>

**2. Sourcing of sand:**

Activity site	Yes	No
River/floodplain	✓	
Lake/reservoir		✓
Agricultural land		✓
Seaside Watercourse		✓
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 m <sup>3</sup>	
100–500 m <sup>3</sup>	
500–1000 m <sup>3</sup>	
>1000 m <sup>3</sup>	✓

**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:			

**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:

N/A

**(b) Land use pattern of site lease**

Land type	Area (hectare)
- Private land	
- Government land	
- Other (specify) X	Municipality of Okabeindje
- Total	

(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.

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

*SEE ATTACHED MUNICIPAL CERTIFICATE OF FITNESS/REGISTRATION*

# MUNICIPALITY OKAHANDJA



NAMIBIA

TEL: 505100 / 2  
FAX: 501746  
E-mail: okahandja@iway.na  
Martin Neib Avenue

OFFICE OF THE CEO  
P O Box 15  
Okahandja

## Certificate of Fitness/Registration

This is to certify that the premises described hereunder is registered and complies with the General Health Regulations (GN 121 of 14<sup>th</sup> October 1969) as amended and the Street Trading Regulations No. 252 of 1999) for carrying on a business as mentioned.

Trade Name : Makalani Bricks & Sand CC  
Nature of Business : Brick Making  
Name of Manager : Mr. W.A.S van Schalkwyk  
Street Address : Plot No. 277 of the Remainder of Okahandja  
Town Lands

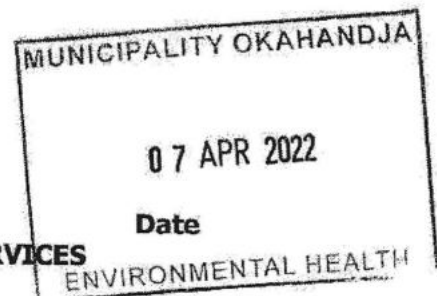
Certificate issued on the following conditions:

- Brick making
- Crush plant (sand & stone)

This certificate may be withdrawn any time without prior notice by the issuer if regulations are not complied with.

This certificate expires 31<sup>st</sup> March 2023

JK HUKUNUNA  
MANAGER: ENVIRONMENTAL HEALTH & EMERGENCY SERVICES





(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:

N/A

2. Number of trees proposed to be cut:

N/A

(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;

**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: one

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

(d) Top soil generation (m<sup>3</sup>) NONE / N/A.

Applicable if mining is proposed on agricultural land or a crop field or homestead.

Proposed measures for top-soil conservation and management

N/A

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

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

More than 150 meters

Number of other operators within 1 km upstream

NONE

Number of other operators within 1 km downstream

NONE

Distance of proposed mining site from the bank

More than 100 meters

**8. Resource requirement:**

(a) Mode of *transportation* of mined material

TIPPER TRUCK / DUMPER

If dumper / trucks is used, Expected number of dumpers

TWO

List the equipment to be used during mining operation.

TRUCKS, FRONT END LOADER

(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)

*NONE USED FOR MINING*

(d) **Employment:**

- Total employment potential from proposed mine: *Three*

- Types of employment: Contract  Daily wage  Permanent

(e) **Fuel requirement**

Quantity of fuel (litre/day): *dependant on amount of mining done per day up to 250 litres*

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

*No fuel stored at mining site*

**9. Road construction:**

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

*Sand track from mining site to brick manufacturing site*

(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
	<i>See attached EMP</i>
Conservation of fauna (including wildlife and livestock)	Proposed mitigation measure for conservation of fauna
Rehabilitation of mined site (including borrow pits, tracks and roads)	Proposed measure for rehabilitation and resettlement
ENVIRONMENT PROTECTION	
Air pollution	Proposed mitigation measures for air pollution / dust control
Protection of water resources	Proposed mitigation measures for water-pollution control and prevention and for conservation of water resources
Noise	Proposed mitigation measures for noise

ENVIRONMENT PROTECTION Continues.	
Health and safety of workers	Proposed measures for safety and health
Protection of archaeological and cultural site, if any	Proposed measures for protection of archaeological sites and cultural heritage of the project-affected area
Waste management (i.e. general, mine and hazardous wastes)	Proposed measures for waste minimization and disposal
Amenities to workers	Details amenities proposed

MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM  
 DIRECTORATE OF ENVIRONMENTAL AFFAIRS  
 05 AUG 2022  
 Tel: 061 204 2701  
 RECEIVED 2  
 Signature: .....

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 Okakarandji on this 2 day of August 2022

For the proponent: [Signature]  
 (duly authorised thereto)

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