



REPUBLIC OF NAMIBIA  
MINISTRY OF ENVIRONMENT AND TOURISM  
OFFICE OF THE ENVIRONMENTAL COMMISSIONER

ENVIRONMENTAL CLEARANCE CERTIFICATE  
ISSUED

In accordance with Section 37(2) of the Environmental  
Management Act (Act No. 7 of 2007)

TO

Bondelswartz Traditional Authority  
P.O box 212, Karasburg

TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY

Sand Mining at the Wortel and Gabis Reserve, Karasburg, //Karas Region.

*[Signature]*  
DEPUTY ENVIRONMENTAL COMMISSIONER

Issued on the date: 2020-01-29

Expires on this date: 2023-01-29

(See conditions printed over leaf)



**CONDITIONS OF APPROVAL**

1. This environmental clearance is valid for a period of 3 (three) years, from the date of issue unless withdrawn by this office
2. This certificate does not in any way hold the Ministry of Environment and Tourism accountable for misleading information, nor any adverse effects that may arise from these activities. Instead, full accountability rests with the proponent and its consultants
3. This Ministry reserves the right to attach further legislative and regulatory conditions during the operational phase of the project
4. Conditions for Sand Mining Applies

**APPENDIX A - CONDITIONS ATTACHED TO ENVIRONMENTAL CLEARANCE  
CERTIFICATE FOR SAND AND GRAVEL MINING**

1.	In the case of private land not owned by the lease holder an affidavit should be obtained regarding consent of the concerned land owner (s) for carrying out the mining operation.
2.	Valid permit from the Relevant Competent Authority to be obtained for riverbed sand mining, vegetation clearing of protected plant species and boreholes drilling prior to commencement of the project.
3.	All conditions provided by the Relevant Competent Authority with regards to riverbed sanding mining must be complied with.
4.	The Holder shall erect a signboard not smaller than 70 cm in height and 100cm in width, at the major entrance/s to each of its Sand Mining Site /Area, specifying the duration of the EC validity and the name of the EC holder, and a contact name and number for enquiries.
5.	Mining shall be done in layers of 1 m depth to avoid ponding effect and after first layer is excavated, the process will be repeated for the next layers; All possible precaution as identified in the Environmental Management Plan shall be complied with to prevent and mitigate potential impacts.
6.	No exposure of groundwater should take place in respect of Sand mining activities undertaken within a riverbed.
7.	Depending upon the location, thickness of sand, deposition, agricultural land/river bed, the method of mining may be manual, semi-mechanized or mechanized; however, manual method of mining shall be preferred over any other method.
8.	The EC holder shall keep a correct account of quantity of sand mined out, dispatched from the site, mode of transport, registration number of vehicle, person in-charge of vehicle and site plan. This should be produced before inspectors at any time.
9.	Restricted working hours: Sand mining operation has to be carried out between 7 am to 5 pm.
10.	Pollution due to dust, exhaust emission or fumes during mining and processing phase should be controlled and kept in permissible limits specified under environmental laws.
11.	Restoration of flora affected by mining should be done immediately. Twice the number of trees destroyed by mining be planted preferably of indigenous species;
12.	No overhangs shall be allowed to be formed due to mining and mining shall not be allowed in areas where subsidence of rocks is likely to occur due to steep angle of slope.
13.	No extraction of stone / boulder / sand in landslide prone areas.
14.	Dumping of waste shall be done in earmarked places as approved in the plan;
15.	Sand mining sites should not be located within 100 meters from the edge of National Highway and railway line, water reservoir, canal and building; 60 meter from the edge of other roads except on special exemption from relevant authority.
16.	Junction at take-off point approach road with main road be properly developed with proper width and geometry required for safe movement of traffic by lease holder at his own cost.