



REPUBLIC OF NAMIBIA

**MINISTRY OF AGRICULTURE, FISHERIES, WATER AND LAND REFORM
DEPARTMENT OF WATER AFFAIRS**

APPLICATION FOR DRILLERS LICENCE

**In terms of Part 7, Regulation 64 (1) of the Water Resource Management Regulations
under Part 12 Section 67 (3) of The Water Resources Management Act. 11 of 2013**

DRILLERS LICENCE

A. GENERAL INSTRUCTIONS

1. Applications must be submitted in duplicate to:

The Executive Director
 Ministry of Agriculture, Fisheries, Water and Land Reform
 Private Bag 13193
 Windhoek

Attention: Water Law Administration

2. Application Fee (to accompany this document): N\$_100

3. The various sections have to be completed as follows:

Section B and C: All applicants
 Section D: Categories of Drillers
 Section E: For official use

4. Complete and submit the sections applicable to you

B. GENERAL INFORMATION

| | | |
|----|--|--|
| 1. | Name of applicant: | |
| 2. | Address - Contact Person: | |
| | - Postal: | |
| | - Physical: | |
| | - Tel/Cell No.: | |
| | - Fax No.: | |
| | - E-mail: | |
| 3. | Region in which driller resides: | |
| 4. | Constituency in which driller resides: | |

SECTION D: CATEGORIES OF DRILLER'S LICENCES

ANNEXURE 10 (Regulation 64)

| Category | Drilling Method | Diameter mm (inch) | Minimum Depth (m) | Formation Hardness | Compressor Capabilities | Auxiliary Equipment | Hook Load of Drilling Rig | Mud Pump Capacities | Yield Testing | Zone Testing | Hole Development |
|----------|--|--------------------|-------------------|---|--|--|---------------------------|--|-------------------------------------|--------------------------|--|
| 1 (a) | Air Percussion Drilling – DTHH (alternative with RC) | 508 (20) | 100 | Hard | 3 units – 900cfm at 350 psi i.e. 1530 l/s at 24 bar. | Bits, hammers, weighted collars, drill stems and stabilizers | 50 ton | Not applicable | 100 m ³ /h for 50 m head | Single or double packers | Airlift, double tube and packers Blow test |
| | | 444 (17½) | 500 | Hard | | | | | | | |
| 1 (b) | Mud Rotary and Air Rotary Drilling | 508 (20) | 100 | Soft to hard | 3 units – 900cfm at 350 psi i.e. 1530 l/s at 24 bar | Bits, hammers, weighted collars, drill stems and stabilizers | 50 ton | Minimum 40 m ³ /h, preferably higher at 10 bar or Mission magnum 4x3x13 or Equivalent | 100 m ³ /h for 50 m head | Single or double packers | Airlift, double tube and packers or by submersible pump in packer housing. |
| | | 444 (17½) | 500 | Soft to hard | 2 units – 600cfm at 350 psi i.e. 1000 l/s at 24 bar | | | | | | |
| | Flood RC with airlift | | | 1 unit – 900 cfm at 350 psi i.e. 1000 l/s at 24 bar | Not applicable | | | | | | |

| Category | Drilling Method | Diameter mm (inch) | Minimum Depth (m) | Formation Hardness | Compressor Capabilities | Auxiliary Equipment | Hook Load of Drilling Rig | Mud Pump Capacities | Yield Testing | Zone Testing | Hole Development |
|----------|--|----------------------|-----------------------------|--------------------|--|--|---------------------------|---------------------------------|------------------------------------|--------------------------|--|
| 2 (a) | Air Percussion Drilling – DTHH (alternative with RC) | 381 (15) | 100 | Soft to hard | 1 unit – 1200cfm at 350 psi i.e 1530 l/s at 24 bar | Bits, hammers, weighted collars, drill stems and stabilizers | 25 ton | Not applicable | 50 m ³ /h at 100 m head | Not required | By blow test, or airlift double tube with packers if required |
| | | 330 (13) | 100 | | | | | | | | |
| | | 254 (10) | 150 | | 1 unit – 900cfm at 350 psi i.e 1530 l/s at 24 bar | | | | 20 m ³ /h at 50 m head | | |
| | | 204 (8) | 250 | | | | | | 15 m ³ /h at 50 m head | | |
| | | 165 (6½) | 200 | | | | | | | | |
| 2 (b) | Mud Rotary | 311 (12¼) | 200 | Soft to medium | 1 unit 500 cfm at 203 psi i.e. 1000 l/s at 14 bar | Bits, weighted collars, drill stems and stabilizers | 25 ton | 40 m ³ /h, at 10 bar | 20 m ³ /h at 50 m head | Single or double packers | By airlift, double tube and packers, or by submersible pump with packers |
| | | 250 (9 7/8) | | | | | | | 15 m ³ /h at 50 m head | Not required | By airlift, or by submersible pump |
| 3 | Air Percussion Drilling – DTHH | 165 (6½) and 204 (8) | 30 at 204 mm, 150 at 165 mm | Soft to hard | 1 unit, 850 cfm at 290 psi i.e. 1000 l/s at 20 bar | Bits, hammers, drill stems and stabilizers | 12 ton | Not applicable | 15 m ³ /h at 50 m head | Not required | By blow test |

| Category | Drilling Method | Diameter mm (inch) | Minimum Depth (m) | Formation Hardness | Compressor Capabilities | Auxiliary Equipment | Hook Load of Drilling Rig | Mud Pump Capacities | Yield Testing | Zone Testing | Hole Development |
|--|--|----------------------|-------------------|--------------------|-------------------------|---------------------|---------------------------|---------------------|-----------------------------------|--------------|-------------------------------|
| 4 | Cable Tool Percussion Drilling | 204 (8) 165 (6 ½) | 50 200 | Soft to hard | none | Bits, Collars, Jars | Not applicable | Not applicable | 15 m ³ /h at 50 m head | Not required | Surging, brushing and bailing |
| 5 | Other Drilling Techniques: Auger Drilling, Core Drilling, Wire-line Drilling, Well Construction, Wellpoints and Shaft sinking (will be awarded on individual merit) | | | | | | | | | | |
| Combined licences and limitations | | | | | | | | | | | |
| Licence holders for Category 1 (a) automatically qualify for Category 2 (a) and Category 3 licenced work. Licence holders for Category 1 (b) automatically qualify for Category 2 (b) licenced work. | | | | | | | | | | | |
| In Category 1 (a) “Flood Rotary with airlift” (Flood RC with airlift) is not a licencing requirement. This can be performed by licenced contractors under special working conditions when deemed necessary. | | | | | | | | | | | |
| Categories 1 (b) and 2 (b) contractors are required to emplace filter gravel, bentonite seals and cement grout in the annular space around borehole casing and borehole wall. The contractor must have the list of required equipment. | | | | | | | | | | | |
| The above categories must include borehole deepening, enlarging, altering, cleaning, rehabilitation or sealing is included under all the above categories. | | | | | | | | | | | |

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SIGNATURE OF APPLICANT

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DATE

E. REQUIRED DOCUMENTS

a) Identification Documents

1) ID/Passport

2) Company Registration Documents

b) Vehicle Registrations

c) List of Equipment

d) CV of Driller

e) Proof of projects completed