



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

**SUPPLEMENTARY WATER USE INFORMATION
TAKING WATER FROM A WATER RESOURCE
PUMP TECHNICAL DATA**

1. PUMP IDENTIFICATION

1.1 Pump number (if more than one, enter a sequence number starting from 001) 0 0 1

1.2 Installation date Y Y Y Y M M D D

1.3 Geographic location of the pump (use one format only)

S ° ', . ' or S . or S ° . ', Cape datum Clarke

E 0 ° ', . ' or E 0 . or E 0 ° . ', WGS-84 datum

2. PUMPING HOURS

2.1 Maximum pumping hours per week h 2.2 Total pumping hours per year h

3. PUMP DATA

3.1 Pump type (mark one with X)

a) Centrifugal b) Positive displacement c) Turbine d) Axial flow

e) Other (specify)

3.2 Pump model

3.3 Pulley diameter mm

3.4 Speed rpm

3.5 Impeller size (only for a centrifugal pump) mm

3.6 Suction hose

3.6.1 Hose material

3.6.2 Hose diameter mm

3.6.3 Hose length m

3.7 Type of flow meter (mark one with X)

a) Inline b) Bypass c) Doppler effect d) None e) Other (specify below)

3.8 Pressure gauge reading At inlet = m At outlet = m

4. POWER SOURCE DATA

4.1 Power source type (mark one with X)

a) Electric b) Diesel c) Petrol d) Tractor e) Wind

f) Other (specify) _____

4.2 Model _____

4.3 Pulley diameter _____ mm

4.4 Speed _____ rpm

4.5 Coupling:

a) Type (mark one with X)

V-belt Flat belt Gearbox Direct Other (specify below)

b) For *gearbox coupling* or *direct coupling*, enter the ratio _____ : _____

4.6 Power rating _____ kW

5. PUMP OPERATION

	Maximum pressure	Maximum discharge	Average operation	
5.1 Discharge	_____	_____	_____	litres / second
5.2 Suction height	_____	_____	_____	metres
5.3 Static height	_____	_____	_____	metres
5.4 Working height	_____	_____	_____	metres
5.5 Friction height	_____	_____	_____	metres
5.6 Other losses	_____	_____	_____	metres
5.7 Total head	_____	_____	_____	metres
5.8 Efficiency	_____	_____	_____	%
5.9 Power absorbed	_____	_____	_____	kilowatts
5.10 Ammeter reading	_____	_____	_____	amps

6. BOREHOLE INFORMATION (where applicable)

6.1 a) Borehole number _____

b) Geographic location of the borehole, if different from pump

S _____ or S _____ or S _____ Cape datum Clarke

E 0 _____ or E 0 _____ or E 0 _____ WGS-84 datum

6.2 Yield of borehole _____ litres / second

6.3 Depth of borehole _____ metres

6.4 Previous authorisation or licensing reference _____

7. ESKOM TRANSFORMER (where applicable)

7.1 a) ESKOM reference number

b) Geographic location of the transformer, if different from pump

S ° ' " or S ° ' " or S ° ' "
 E 0 ° ' " E 0 ° ' " E 0 ° ' "

Cape datum Clarke
 WGS-84 datum

7.2 Power rating of the transformer kVA

FOR OFFICIAL USE ONLY

File number

Water use licence or registration number

Water Management Area

Received by:

Surname	Initials
<input type="text"/>	<input type="text"/>

Rank

Signature

Captured by:

Initials

Date stamp of receiving office