



## Water Demand

### Providing 100mm pipe

#### Residential

No. of Dwellings	321 dwellings
Usage	150 l/p/day
Persons per Dwelling	2.7 ppl
Factor for Average Demand	1.25

#### Totals:

Average Domestic Demand	162506 l/day	1.881 l/sec.
Peak Domestic Demand	812531 l/day	9.404 l/sec.

#### Commercial

<u>Retail</u>	5 persons
Usage	90 l/p/day
Average Demand	450 l/day

<u>Café</u>	195 persons
Usage	25 l/p/day
Average Demand	4875 l/day.

<u>Gym</u>	250 persons
Usage	50 l/p/day
Average Demand	12500 l/day.

<u>Creche</u>	60 persons
Usage	90 l/p/day
Average Demand	5400 l/day.

<u>Office</u>	480 persons
Usage	100 l/p/day
Average Demand	48000 l/day.

#### Totals:

Average Demand	71225 l/day	0.824363 l/sec
Peak Demand	356125 l/day	4.121817 l/sec

#### Overall Totals:

Average Demand	233731 l/day	2.705 l/sec
Peak Demand	1168656 l/day	13.526 l/sec

Daily Demand	1168.656 m3/day
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