

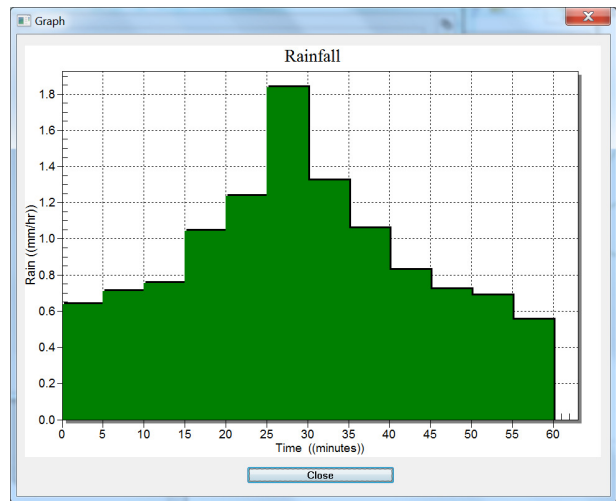
# MSMA2 Design Rainfall Calculator

Select

- Rainfall
- Region1\_15min
- Region1\_30min
- Region1\_60min
- Region1\_180min
- Region1\_6hr
- Region1\_12hr
- Region1\_24hr
- Region1\_48hr
- Region1\_72hr
- Region2\_15min
- Region2\_30min
- Region2\_60min
- Region2\_180min
- Region2\_6hr

Region1\_15min

Select  
Cancel  
Edit  
Clear  
Rename  
Delete  
Duplicate  
Add



IFD Malaysia Revision 2

ARI Duration

High ARI  Low ARI

State: Johor

ARI: \_\_\_\_\_ Years

Storm Duration: \_\_\_\_\_ Minutes

N \_\_\_\_\_

Intensity \_\_\_\_\_ mm/Hr

\_\_\_\_\_ mm

OK Cancel

IFD Malaysia Revision 2

ARI Duration

High ARI  Low ARI

State: Selangor

ARI: 10 Years

Station: JPS Sungai Manggis

Storm Duration: 30 Minutes

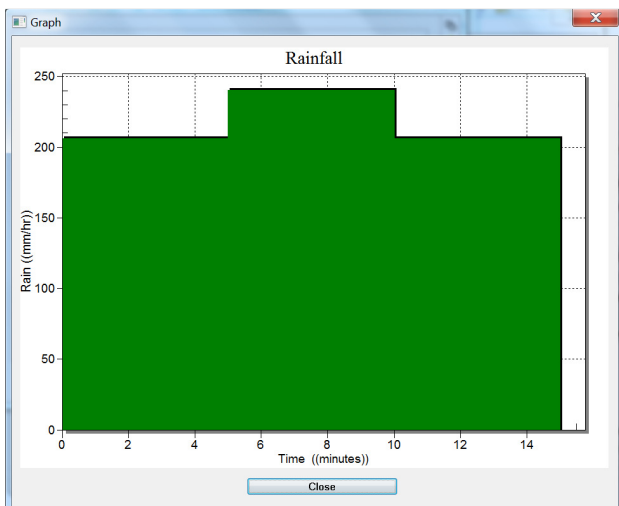
A 56.05 K 0.15 T 0.19 N 0.86

Calculate

Avg Rainfall Intensity 108.779 mm/Hr

Total Depth 54.390 mm

OK Cancel



# MSMA 1 Design Rainfall Calculator

Malaysian IFD Calculator V1.0 (c) XP Software 2002

Description of region:

Region:  West Coast  East Coast

Catchment Area (sq. km):

2Yr-24hr Depth (mm):

2Yr-24hr Depth (from Coeff.):

Return Period (Yrs)	a	b	c	d
2	3.8645	1.1150	-0.3272	0.0182
5	4.3251	1.0147	-0.3308	0.0205
10	4.4896	0.9971	-0.3279	0.0205
20	4.7656	0.8922	-0.3060	0.0192
50	4.5463	1.1612	-0.3758	0.0249
100	5.0532	0.8998	-0.3222	0.0215

Single Value

Return Period (Yrs):

Duration (mins):

Intensity:

<http://www.xpsoftware.com>

```

Johor Bahru.OUT - Notepad
File Edit Format View Help
*****
*                               *
*               I F D          *
*                               *
* Intensity - Frequency - Duration Design Rainfall Program *
* (Version 1.0 - Feb 2002)      *
*                               *
* This software determines IFD design rainfall in *
* accordance with the algebraic procedures presented in *
* Chapter 13 - Malaysian Urban Stormwater Drainage Manual *
*                               *
*                               *
* This software is supplied as is and without any *
* warranties as to performance or any other warranties *
* expressed or implied.        *
*                               *
* (C) XP SOFTWARE 2002        *
* www.xpsoftware.com.au      *
*****
*** INPUT DATA ECHO ***
Johor Bahru
ARI
2 year:   a      b      c      d
5 year:   3.8645  1.1150  -0.3272  0.0182
10 year:  4.3251  1.0147  -0.3308  0.0205
20 year:  4.4896  0.9971  -0.3279  0.0205
50 year:  4.7656  0.8922  -0.3060  0.0192
100 year: 4.5463  1.1612  -0.3758  0.0249
5
*** OUTPUT IFD TABLE ***
Rainfall Intensity (mm/h) for Johor Bahru
-----
Duration            Average Storm Recurrence Interval (years)
1       2       5       10      20      50      100     500
-----
5m  176.64  220.80  296.13  334.56  371.30  437.67  491.77  0.00
6   166.34  207.93  272.82  309.06  344.01  401.99  450.77  0.00
7   158.98  198.73  256.18  290.85  324.51  376.50  421.48  0.00
8   153.46  191.83  243.69  277.19  309.88  357.38  399.51  0.00

```

Ln 20, Col 64