

Cadastral Survey (Land Surveys) (Amendment) Regulations 2015

GN No. 44 of 2015

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THE CADASTRAL SURVEY ACT

Regulations made by the Minister under section 21 of the Cadastral Survey Act

- 1.** These regulations may be cited as the **Cadastral Survey (Land Surveys) (Amendment) Regulations 2015**.
- 2.** In these regulations —
“principal regulations” means the Cadastral Survey (Land Surveys) Regulations 2013.
- 3.** The Third Schedule to the principal regulations is revoked and replaced by the Third Schedule set out in the Schedule to these regulations.

Made by the Minister on 27 March 2015.

SCHEDULE

[Regulation 3]

THIRD SCHEDULE

[Regulation 18]

TECHNICAL SPECIFICATIONS OF RODRIGUES DATUM

Ellipsoid — Clarke 1880

Semi-major axis, a	6378249.145
Semi-minor axis, b	6356514.867
Flattening, 1/f	293.46500067780
Grid	Rodrigues Local
Projection	Transverse Mercator (TM)

Projection Parameters

(1) Longitude of origin	63°25'37.50"E
(2) Latitude of origin	19°40'21.39"S
(3) Scale factor at central meridian	1.000
(4) False easting at origin	20000.00m
(5) False northing at origin	20000.00m

Ellipsoid — WGS 84

Grid	Rodrigues Local
Projection	Transverse Mercator (TM)

The 4 fundamental defining WGS 84 ellipsoid parameters are —

Parameter	Notation	Value
Semi-major axis	a	6378137.0m
Reciprocal of flattening	1/f	298.257223563
Angular velocity of the earth	w	$7.2921150 \times 10^{-5} \text{ rad S}^{-1}$
Earth's gravitational constant (mass of earth's atmosphere included)	GM	$3.986004418 \times 10^{14} \text{ m}^3 \text{ S}^{-2}$

Projection Parameters

(1) Longitude of origin	63°25'42.48465"E
(2) Latitude of origin	19°40'35.87397"S
(3) Scale factor at origin	Unity
(4) False easting at origin	20000.00m
(5) False northing at origin	20000.00m

Made by the Minister on 27 March 2015.