ArcGIS Projected Coordinate System

SLD-Kandawala.prj

PROJCS["SLD-Kandawala",

GEOGCS["GCS_Everest_1830_SriLanka",

DATUM["D_Everest_1830_SriLanka",

SPHEROID["Everest_1830_SriLanka",6377276.345,300.80169999]],

PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],
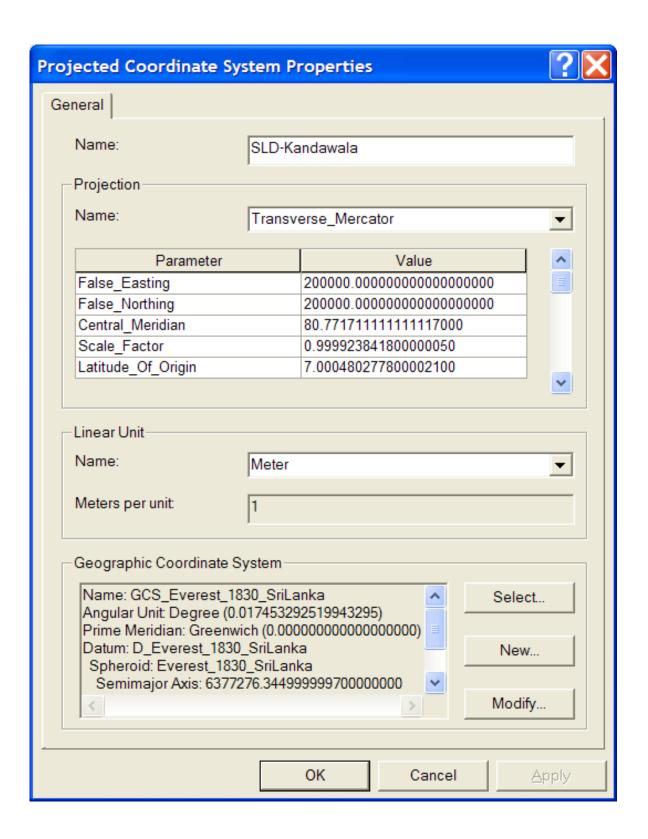
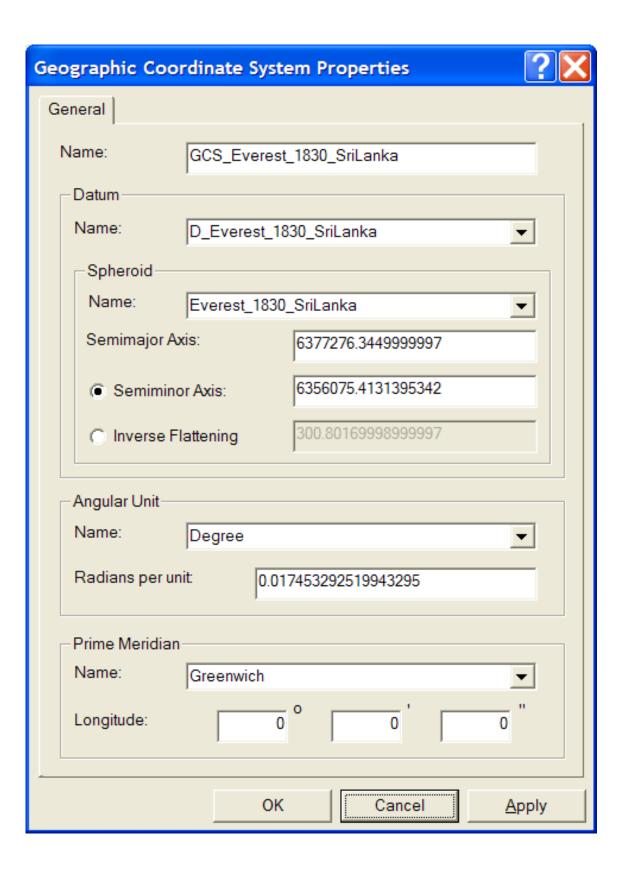PROJECTION["Transverse_Mercator"],

PARAMETER["False_Easting",200000.0],

PARAMETER["False_Northing",200000.0],

PARAMETER["Central_Meridian",80.77171111111112],

PARAMETER["Scale_Factor",0.9999238418],

PARAMETER["Latitude_Of_Origin",7.0004802778],UNIT["Meter",1.0]]

Projected Coordinate System Properties

General

Name: SLD-Kandawala

Projection

Name: Transverse_Mercator

Parameter	Value
False_Easting	200000.000000000000000000
False_Northing	200000.000000000000000000
Central_Meridian	80.771711111111117000
Scale_Factor	0.999923841800000050
Latitude_Of_Origin	7.000480277800002100

Linear Unit

Name: Meter

Meters per unit: 1

Geographic Coordinate System

Name: GCS_Everest_1830_SriLanka
Angular Unit: Degree (0.017453292519943295)
Prime Meridian: Greenwich (0.000000000000000000)
Datum: D_Everest_1830_SriLanka
  Spheroid: Everest_1830_SriLanka
    Semimajor Axis: 6377276.344999999700000000

Select...

New...

Modify...

OK   Cancel   Apply

Geographic Coordinate System Properties

General

Name: GCS_Everest_1830_SriLanka

Datum

Name: D_Everest_1830_SriLanka

Spheroid

Name: Everest_1830_SriLanka

Semimajor Axis: 6377276.3449999997

(•) Semiminor Axis: 6356075.4131395342

( ) Inverse Flattening: 300.80169998999997

Angular Unit

Name: Degree

Radians per unit: 0.017453292519943295

Prime Meridian

Name: Greenwich

Longitude: 0 ° 0 ' 0 "

OK   Cancel   Apply

SL Datum 1999 (SLD99)

Datum Transformation & Projection Parameters

Coordinates of Piduruthalagala - 500 000 N, 500 000 E

Transformation Parameters   :- WGS 84 to Everest Ellipsoid

Shifts   X= 0.2933
       Y= -766.9499
       Z= -87.7131

Rotation   X= 0.1957040 seconds
               Y= 1.6950677
               Z= 3.4730161

Scale Factor   1.0000000393

Projection Parameters   - Everest Ellipsoid to Transverse Mercator Projecton

Everest 1830 Sri Lanka
(Semi-Major Axis : 6377276.345, Flattening (1/f) : 300.80169999)
False Easting   500000
False Northing 500000

Central Meridian   80 46 18.16710 E
Central Parallel   7   00   1.69750 N
Scale Factor   0.9999238418

Note :
1:10,000 & 1:50,000 Topographic Mapping purpose, the False Easting & False Northing could be used as 200,000 & 200,000 respectively.