

## Annex 3 Metadata

### METADATA

#### Data Identification

**Name:** bridge  
**Type:** vector digital data  
**Purpose:** Establishment of a database for Kirtipur Municipality  
**Theme:** Bridge  
**Place:** Kirtipur Municipality

#### Spatial Domain

**West Coordinate:** 85.257893  
**East Coordinate:** 85.294215  
**North Coordinate:** 27.685935  
**South Coordinate:** 27.642303  
**Level:** Municipal  
**Coverage Location:** Kirtipur Municipality

#### Projection Information

**Geographical Unit:** Metres  
**Projection Parameters:** Projection name: Transverse Mercator  
Spheroid: Everest 1830  
Longitude of Central Meridian: 87 00 00 E  
Latitude of Projection Origin: 00 00 00 N  
False Easting: 500 000m E  
False Northing: 0m N  
Scale factor at central meridian: 0.9999

#### Data Storage

**Data Format:** Shapefile

#### Citation

**Data Developed by:** MENRIS  
**Data Source:** KUDP, 1998  
**Data Source Scale:** 1:2,000

#### Attributes of: bridge

	Data type	Width	Precision	Scale	Description
<b>FID</b>	OID	4	0	0	Internal feature number
<b>Shape</b>	Geometry	0	0	0	Feature geometry
<b>ID</b>	Number	8			
<b>BRIDGE_ID</b>	Number	4			

## METADATA

### Data Identification

**Name:** build\_all  
**Type:** vector digital data  
**Purpose:** Establishment of a database for Kirtipur Municipality  
**Theme:** Building Footprint  
**Place:** Kirtipur Municipality

### Spatial Domain

**West Coordinate:** 85.246003  
**East Coordinate:** 85.299194  
**North Coordinate:** 27.685865  
**South Coordinate:** 27.639809  
**Level:** Municipal  
**Coverage Location:** Kirtipur Municipality

### Projection Information

**Geographical Unit:** Metres  
**Projection Parameters:** Projection name: Transverse Mercator  
Spheroid: Everest 1830  
Longitude of Central Meridian: 87 00 00 E  
Latitude of Projection Origin: 00 00 00 N  
False Easting: 500 000m E  
False Northing: 0m N  
Scale factor at central meridian: 0.9999

### Data Storage

**Data Format:** Shapefile

### Citation

**Data Developed by:** MENRIS  
**Data Source:** KUDP, 1998  
**Data Source Scale:** 1:2,000

### Attributes of: build\_all

	Data type	Width	Number of decimals	Precision	Scale	Description
<b>FID</b>	OID	4		0	0	Internal feature number
<b>Shape</b>	Geometry	0		0	0	Feature geometry
<b>AREA</b>	Number	13	6			
<b>PERIMETER</b>	Number	13	6			
<b>HOUSE_</b>	Number	11				
<b>HOUSE_ID</b>	Number	11				
<b>X_VAL</b>	Number	10	5			
<b>Y_VAL</b>	Number	10	5			
<b>WEIGHT</b>	Number	16				
<b>POPULATION</b>	Number	16				

## METADATA

### Data Identification

**Name:** con\_all  
**Type:** vector digital data  
**Purpose:** Establishment of a database for Kirtipur Municipality  
**Theme:** Contour  
**Place:** Kirtipur Municipality

### Spatial Domain

**West Coordinate:** 85.234323  
**East Coordinate:** 85.299597  
**North Coordinate:** 27.685380  
**South Coordinate:** 27.637890  
**Level:** Municipal  
**Coverage Location:** Kirtipur Municipality

### Projection Information

**Geographical Unit:** Metres  
**Projection Parameters:** Projection name: Transverse Mercator  
Spheroid: Everest 1830  
Longitude of Central Meridian: 87 00 00 E  
Latitude of Projection Origin: 00 00 00 N  
False Easting: 500 000m E  
False Northing: 0m N  
Scale factor at central meridian: 0.9999

### Data Storage

**Data Format:** Shapefile

### Citation

**Data Developed by:** MENRIS  
**Data Source:** KUDP, 1998  
**Data Source Scale:** 1:2,000

### Attributes of: con\_all

	Data type	Width	Number of decimals	Precision	Scale	Description
<b>FID</b>	OID	4		0	0	Internal feature number
<b>Shape</b>	Geometry	0		0	0	Feature geometry
<b>FNODE_</b>	Number	11				
<b>TNODE_</b>	Number	11				
<b>LPOLY_</b>	Number	11				
<b>RPOLY_</b>	Number	11				
<b>LENGTH</b>	Float	13	3			
<b>CON_ALL_</b>	Number	11				
<b>CON_ALL_ID</b>	Number	11				

## METADATA

### Data Identification

**Name:** e129-f170e.img  
**Type:** remote-sensing image  
**Purpose:** Establishment of a database for Kirtipur Municipality  
**Theme:** Orthophoto  
**Place:** Kirtipur Municipality

### Spatial Domain

**West Coordinate:** 85.261526  
**East Coordinate:** 85.306855  
**North Coordinate:** 27.691245  
**South Coordinate:** 27.637167  
**Level:** Municipal  
**Coverage Location:** Kirtipur Municipality

### Projection Information

**Geographical Unit:** Metres  
**Projection Parameters:** Projection name: Transverse Mercator  
Spheroid: Everest 1830  
Longitude of Central Meridian: 87 00 00 E  
Latitude of Projection Origin: 00 00 00 N  
False Easting: 500 000m E  
False Northing: 0m N  
Scale factor at central meridian: 0.9999

### Data Storage

**Data Format:** Raster Dataset

### Citation

**Data Developed by:** MENRIS  
**Data Source:** Aerial Photo, NTC, 1992  
**Data Source Scale:** 1:10,000

### Attributes of: Layer\_1

	Data type	Width	Precision	Scale
<b>ObjectID</b>	OID	4	0	0
<b>Value</b>	Integer	0	0	0
<b>Count</b>	Double	0	0	0
<b>Contrast</b>	Double	0	0	0
<b>Breakpoints</b>	Double	0	0	0

## METADATA

### Data Identification

**Name:** education03  
**Type:** vector digital data  
**Purpose:** Establishment of a database for Kirtipur Municipality  
**Theme:** Educational Institution  
**Place:** Kirtipur Municipality

### Spatial Domain

**West Coordinate:** 85.253519  
**East Coordinate:** 85.296543  
**North Coordinate:** 27.684211  
**South Coordinate:** 27.644097  
**Level:** Municipal  
**Coverage Location:** Kirtipur Municipality

### Projection Information

**Geographical Unit:** Metres  
**Projection Parameters:** Projection name: Transverse Mercator  
Spheroid: Everest 1830  
Longitude of Central Meridian: 87 00 00 E  
Latitude of Projection Origin: 00 00 00 N  
False Easting: 500 000m E  
False Northing: 0m N  
Scale factor at central meridian: 0.9999

### Data Storage

**Data Format:** Shapefile

### Citation

**Data Developed by:** MENRIS  
**Data Source:** Field Survey, 1999/2003  
**Data Source Scale:** 1:2,000

### Attributes of: education03

	Data type	Width	Precision	Scale	Description
<b>FID</b>	OID	4	0	0	Internal feature number
<b>Shape</b>	Geometry	0	0	0	Feature geometry
<b>WARD_ID</b>	Number	2			
<b>ID_NO</b>	Number	4			
<b>PLACE</b>	String	14			
<b>NAME_</b>	String	22			
<b>TYPE</b>	String	15			
<b>ID</b>	Number	4			

## METADATA

### Data Identification

**Name:** factory03  
**Type:** vector digital data  
**Purpose:** Establishment of a database for Kirtipur Municipality  
**Theme:** Industry  
**Place:** Kirtipur Municipality

### Spatial Domain

**West Coordinate:** 85.258728  
**East Coordinate:** 85.291833  
**North Coordinate:** 27.685712  
**South Coordinate:** 27.648787  
**Level:** Municipal  
**Coverage Location:** Kirtipur Municipality

### Projection Information

**Geographical Unit:** Metres  
**Projection Parameters:** Projection name: Transverse Mercator  
Spheroid: Everest 1830  
Longitude of Central Meridian: 87 00 00 E  
Latitude of Projection Origin: 00 00 00 N  
False Easting: 500 000m E  
False Northing: 0m N  
Scale factor at central meridian: 0.9999

### Data Storage

**Data Format:** Shapefile

### Citation

**Data Developed by:** MENRIS  
**Data Source:** Field Survey, 1999/2003  
**Data Source Scale:** 1:2,000

### Attributes of: factory03

	Data type	Width	Precision	Scale	Description
<b>FID</b>	OID	4	0	0	Internal feature number
<b>Shape</b>	Geometry	0	0	0	Feature geometry
<b>WARD_ID</b>	Number	2			
<b>ID_NO</b>	Number	4			
<b>PLACE</b>	String	14			
<b>NAME_</b>	String	22			
<b>TYPE</b>	String	15			
<b>ID</b>	Number	4			

## METADATA

### Data Identification

**Name:** gmarket  
**Type:** vector digital data  
**Purpose:** Establishment of a database for Kirtipur Municipality  
**Theme:** Market  
**Place:** Kirtipur Municipality

### Spatial Domain

**West Coordinate:** 85.251419  
**East Coordinate:** 85.298350  
**North Coordinate:** 27.678965  
**South Coordinate:** 27.641873  
**Level:** Municipal  
**Coverage Location:** Kirtipur Municipality

### Projection Information

**Geographical Unit:** Metres  
**Projection Parameters:** Projection name: Transverse Mercator  
Spheroid: Everest 1830  
Longitude of Central Meridian: 87 00 00 E  
Latitude of Projection Origin: 00 00 00 N  
False Easting: 500 000m E  
False Northing: 0m N  
Scale factor at central meridian: 0.9999

### Data Storage

**Data Format:** Shapefile

### Citation

**Data Developed by:** MENRIS  
**Data Source:** FAO, 1999  
**Data Source Scale:** 1:2,000

### Attributes of: gmarket

	Data type	Width		Precision	Scale	Description
<b>FID</b>	OID	4		0	0	Internal feature number
<b>Shape</b>	Geometry	0		0	0	Feature geometry
<b>ID</b>	Number	8				
<b>BUFFERDIS</b>	Number	16	4			

## METADATA

### Data Identification

<b>Name:</b>	<b>heritage03</b>
<b>Type:</b>	vector digital data
<b>Purpose:</b>	Establishment of a database for Kirtipur Municipality
<b>Theme:</b>	Heritage Sites
<b>Place:</b>	Kirtipur Municipality

### Spatial Domain

<b>West Coordinate:</b>	85.247924
<b>East Coordinate:</b>	85.294404
<b>North Coordinate:</b>	27.679366
<b>South Coordinate:</b>	27.640479
<b>Level:</b>	Municipal
<b>Coverage Location:</b>	Kirtipur Municipality

### Projection Information

<b>Geographical Unit:</b>	Metres
<b>Projection Parameters:</b>	Projection name: Transverse Mercator Spheroid: Everest 1830 Longitude of Central Meridian: 87 00 00 E Latitude of Projection Origin: 00 00 00 N False Easting: 500 000m E False Northing: 0m N Scale factor at central meridian: 0.9999

### Data Storage

<b>Data Format:</b>	Shapefile
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### Citation

<b>Data Developed by:</b>	MENRIS
<b>Data Source:</b>	Field Survey, 1999/2003
<b>Data Source Scale:</b>	1:2,000

### Attributes of: heritage03

	Data type	Width	Precision	Scale	Description
<b>FID</b>	OID	4	0	0	Internal feature number
<b>Shape</b>	Geometry	0	0	0	Feature geometry
<b>WARD_ID</b>	Number	2			
<b>ID_NO</b>	Number	4			
<b>PLACE</b>	String	14			
<b>NAME_</b>	String	22			
<b>TYPE</b>	String	15			
<b>ID</b>	Number	4			



## METADATA

### Data Identification

<b>Name:</b>	<a href="#">ikono_aerial2.img</a>
<b>Type:</b>	remote-sensing image
<b>Purpose:</b>	Establishment of a database for Kirtipur Municipality
<b>Theme:</b>	IKONOS Satellite image
<b>Place:</b>	Kirtipur Municipality

### Spatial Domain

<b>West Coordinate:</b>	85.249122
<b>East Coordinate:</b>	85.305869
<b>North Coordinate:</b>	27.689978
<b>South Coordinate:</b>	27.633502
<b>Level:</b>	Municipal
<b>Coverage Location:</b>	Kirtipur Municipality

### Projection Information

<b>Geographical Unit:</b>	Metres
<b>Projection Parameters:</b>	Projection name: Transverse Mercator
	Spheroid: Everest 1830
	Longitude of Central Meridian: 87 00 00 E
	Latitude of Projection Origin: 00 00 00 N
	False Easting: 500 000m E
	False Northing: 0m N
	Scale factor at central meridian: 0.9999

### Data Storage

<b>Data Format:</b>	Raster Dataset
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### Citation

<b>Data Developed by:</b>	MENRIS
<b>Data Source:</b>	Space Imaging, 10 November 2001
<b>Data Source Scale:</b>	Pixel size 1m

## METADATA

### Data Identification

<b>Name:</b>	<b>kirtp_dem</b>
<b>Type:</b>	raster digital data
<b>Purpose:</b>	Establishment of a database for Kirtipur Municipality
<b>Theme:</b>	DEM
<b>Place:</b>	Kirtipur Municipality

### Spatial Domain

<b>West Coordinate:</b>	85.234282
<b>East Coordinate:</b>	85.300090
<b>North Coordinate:</b>	27.686337
<b>South Coordinate:</b>	27.637664
<b>Level:</b>	Municipal
<b>Coverage Location:</b>	Kirtipur Municipality

### Projection Information

<b>Geographical Unit:</b>	Metres
<b>Projection Parameters:</b>	Projection name: Transverse Mercator
	Spheroid: Everest 1830
	Longitude of Central Meridian: 87 00 00 E
	Latitude of Projection Origin: 00 00 00 N
	False Easting: 500 000m E
	False Northing: 0m N
	Scale factor at central meridian: 0.9999

### Data Storage

<b>Data Format:</b>	Raster Dataset
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### Citation

<b>Data Developed by:</b>	MENRIS
<b>Data Source:</b>	Generated from contour and spot height, KUDP, 1998
<b>Data Source Scale:</b>	1:2,000

## METADATA

### Data Identification

**Name:** lause92\_all  
**Type:** vector digital data  
**Purpose:** Establishment of a database for Kirtipur Municipality  
**Theme:** Land Use 1992  
**Place:** Kirtipur Municipality

### Spatial Domain

**West Coordinate:** 85.234315  
**East Coordinate:** 85.300067  
**North Coordinate:** 27.686314  
**South Coordinate:** 27.637816  
**Level:** Municipal  
**Coverage Location:** Kirtipur Municipality

### Projection Information

**Geographical Unit:** Metres  
**Projection Parameters:** Projection name: Transverse Mercator  
Spheroid: Everest 1830  
Longitude of Central Meridian: 87 00 00 E  
Latitude of Projection Origin: 00 00 00 N  
False Easting: 500 000m E  
False Northing: 0m N  
Scale factor at central meridian: 0.9999

### Data Storage

**Data Format:** Shapefile

### Citation

**Data Developed by:** MENRIS  
**Data Source:** Aerial Photo, NTC, 1992  
**Data Source Scale:** 1:10,000

### Attributes of: lause92\_all

	Data type	Width	Number of decimals	Precision	Scale	Description
<b>FID</b>	OID	4		0	0	Internal feature number
<b>Shape</b>	Geometry	0		0	0	Feature geometry
<b>LAUSE92_ID</b>	Number	19	11			
<b>Cnt_LAUSE9</b>	Number	9				
<b>Max_AREA</b>	Number	19	11			
<b>Max_L_AREA</b>	Number	13	11			
<b>Max_PERIME</b>	Number	19	11			

## METADATA

### Data Identification

**Name:** lause98\_all  
**Type:** vector digital data  
**Purpose:** Establishment of a database for Kirtipur Municipality  
**Theme:** Land Use 1998  
**Place:** Kirtipur Municipality

### Spatial Domain

**West Coordinate:** 85.234315  
**East Coordinate:** 85.300067  
**North Coordinate:** 27.686314  
**South Coordinate:** 27.637816  
**Level:** Municipal  
**Coverage Location:** Kirtipur Municipality

### Projection Information

**Geographical Unit:** Metres  
**Projection Parameters:** Projection name: Transverse Mercator  
Spheroid: Everest 1830  
Longitude of Central Meridian: 87 00 00 E  
Latitude of Projection Origin: 00 00 00 N  
False Easting: 500 000m E  
False Northing: 0m N  
Scale factor at central meridian: 0.9999

### Data Storage

**Data Format:** Shapefile

### Citation

**Data Developed by:** MENRIS  
**Data Source:** Aerial Photo, Dept. of Survey, 1998/ Field Survey, 1999  
**Data Source Scale:** 1:15,000

### Attributes of: lause98\_all

	Data type	Width	Number of decimals	Precision	Scale	Description
<b>FID</b>	OID	4		0	0	Internal feature number
<b>Shape</b>	Geometry	0		0	0	Feature geometry
<b>LANDUSE_ID</b>	Float	19	11			
<b>Cnt_LANDUS</b>	Number	9				
<b>Ave_Max_AR</b>	Number	19	4			
<b>Ave_Max_L_</b>	Number	19	4			
<b>Ave_Max_PE</b>	Number	19	4			

## METADATA

### Data Identification

**Name:** new\_ward  
**Type:** vector digital data  
**Purpose:** Establishment of a database for Kirtipur Municipality  
**Theme:** Administrative Boundary  
**Place:** Kirtipur Municipality

### Spatial Domain

**West Coordinate:** 85.234315  
**East Coordinate:** 85.300069  
**North Coordinate:** 27.686316  
**South Coordinate:** 27.637687  
**Level:** Municipal  
**Coverage Location:** Kirtipur Municipality

### Projection Information

**Geographical Unit:** Metres  
**Projection Parameters:** Projection name: Transverse Mercator  
Spheroid: Everest 1830  
Longitude of Central Meridian: 87 00 00 E  
Latitude of Projection Origin: 00 00 00 N  
False Easting: 500 000m E  
False Northing: 0m N  
Scale factor at central meridian: 0.9999

### Data Storage

**Data Format:** Shapefile

### Citation

**Data Developed by:** MENRIS  
**Data Source:** Kirtipur Municipality, 2001  
**Data Source Scale:** 1:2,000

### Attributes of: new\_ward

	Data type	Width	Number of decimals	Precision	Scale	Description
<b>FID</b>	OID	4		0	0	Internal feature number
<b>Shape</b>	Geometry	0		0	0	Feature geometry
<b>AREA</b>	Float	19	11			
<b>PERIMETER</b>	Float	19	11			
<b>NEW_WARD1_</b>	Number	9				
<b>NEW_WARD11</b>	Number	9				
<b>warea_km</b>	Number	5	3			

## METADATA

### Data Identification

**Name:** pond  
**Type:** vector digital data  
**Purpose:** Establishment of a database for Kirtipur Municipality  
**Theme:** Pond  
**Place:** Kirtipur Municipality

### Spatial Domain

**West Coordinate:** 85.264476  
**East Coordinate:** 85.291994  
**North Coordinate:** 27.676712  
**South Coordinate:** 27.641487  
**Level:** Municipal  
**Coverage Location:** Kirtipur Municipality

### Projection Information

**Geographical Unit:** Metres  
**Projection Parameters:** Projection name: Transverse Mercator  
Spheroid: Everest 1830  
Longitude of Central Meridian: 87 00 00 E  
Latitude of Projection Origin: 00 00 00 N  
False Easting: 500 000m E  
False Northing: 0m N  
Scale factor at central meridian: 0.9999

### Data Storage

**Data Format:** Shapefile

### Citation

**Data Developed by:** MENRIS  
**Data Source:** KUDP, 1998  
**Data Source Scale:** 1:2,000

### Attributes of: pond

	Data type	Width	Number of decimals	Precision	Scale	Description
<b>FID</b>	OID	4		0	0	Internal feature number
<b>Shape</b>	Geometry	0		0	0	Feature geometry
<b>FID_</b>	Number	9				
<b>AREA</b>	Number	13	6			
<b>PERIMETER</b>	Number	13	6			
<b>POND_</b>	Number	10				
<b>POND_ID</b>	Number	10				

## METADATA

### Data Identification

**Name:** public\_institution03  
**Type:** vector digital data  
**Purpose:** Establishment of a database for Kirtipur Municipality  
**Theme:** Public Institution  
**Place:** Kirtipur Municipality

### Spatial Domain

**West Coordinate:** 85.251758  
**East Coordinate:** 85.293315  
**North Coordinate:** 27.676576  
**South Coordinate:** 27.647803  
**Level:** Municipal  
**Coverage Location:** Kirtipur Municipality

### Projection Information

**Geographical Unit:** Metres  
**Projection Parameters:** Projection name: Transverse Mercator  
Spheroid: Everest 1830  
Longitude of Central Meridian: 87 00 00 E  
Latitude of Projection Origin: 00 00 00 N  
False Easting: 500 000m E  
False Northing: 0m N  
Scale factor at central meridian: 0.9999

### Data Storage

**Data Format:** Shapefile

### Citation

**Data Developed by:** MENRIS  
**Data Source:** Field Survey, 1999/2003  
**Data Source Scale:** 1:2,000

### Attributes of: public\_institution03

	Data type	Width	Precision	Scale	Description
<b>FID</b>	OID	4	0	0	Internal feature number
<b>Shape</b>	Geometry	0	0	0	Feature geometry
<b>WARD_ID</b>	Number	2			
<b>ID_NO</b>	Number	4			
<b>PLACE</b>	String	14			
<b>NAME_</b>	String	22			
<b>TYPE</b>	String	15			
<b>ID</b>	Number	4			

## METADATA

### Data Identification

**Name:** public services03  
**Type:** vector digital data  
**Purpose:** Establishment of a database for Kirtipur Municipality  
**Theme:** Public Services (Health)  
**Place:** Kirtipur Municipality

### Spatial Domain

**West Coordinate:** 85.255921  
**East Coordinate:** 85.285123  
**North Coordinate:** 27.677124  
**South Coordinate:** 27.647790  
**Level:** Municipal  
**Coverage Location:** Kirtipur Municipality

### Projection Information

**Geographical Unit:** Metres  
**Projection Parameters:** Projection name: Transverse Mercator  
Spheroid: Everest 1830  
Longitude of Central Meridian: 87 00 00 E  
Latitude of Projection Origin: 00 00 00 N  
False Easting: 500 000m E  
False Northing: 0m N  
Scale factor at central meridian: 0.9999

### Data Storage

**Data Format:** Shapefile

### Citation

**Data Developed by:** MENRIS  
**Data Source:** Field Survey, 1999/2003  
**Data Source Scale:** 1:2,000

**Attributes of:** public services03

	Data type	Width	Precision	Scale	Description
<b>FID</b>	OID	4	0	0	Internal feature number
<b>Shape</b>	Geometry	0	0	0	Feature geometry
<b>WARD_ID</b>	Number	2			
<b>ID_NO</b>	Number	4			
<b>PLACE</b>	String	14			
<b>NAME_</b>	String	22			
<b>TYPE</b>	String	15			
<b>ID</b>	Number	4			



## METADATA

### Data Identification

**Name:** public utilities03  
**Type:** vector digital data  
**Purpose:** Establishment of a database for Kirtipur Municipality  
**Theme:** Public Utilities (Water Supply)  
**Place:** Kirtipur Municipality

### Spatial Domain

**West Coordinate:** 85.252063  
**East Coordinate:** 85.292934  
**North Coordinate:** 27.678978  
**South Coordinate:** 27.640380  
**Level:** Municipal  
**Coverage Location:** Kirtipur Municipality

### Projection Information

**Geographical Unit:** Metres  
**Projection Parameters:** Projection name: Transverse Mercator  
Spheroid: Everest 1830  
Longitude of Central Meridian: 87 00 00 E  
Latitude of Projection Origin: 00 00 00 N  
False Easting: 500 000m E  
False Northing: 0m N  
Scale factor at central meridian: 0.9999

### Data Storage

**Data Format:** Shapefile

### Citation

**Data Developed by:** MENRIS  
**Data Source:** NWSC/ Field Survey, 1999/2003  
**Data Source Scale:** 1:2,000

**Attributes of:** public utilities03

	Data type	Width	Precision	Scale	Description
<b>FID</b>	OID	4	0	0	Internal feature number
<b>Shape</b>	Geometry	0	0	0	Feature geometry
<b>WARD_ID</b>	Number	2			
<b>ID_NO</b>	Number	4			
<b>PLACE</b>	String	14			
<b>NAME_</b>	String	22			
<b>TYPE</b>	String	15			
<b>ID</b>	Number	4			

## METADATA

### Data Identification

**Name:** river\_all  
**Type:** vector digital data  
**Purpose:** Establishment of a database for Kirtipur Municipality  
**Theme:** Drainage  
**Place:** Kirtipur Municipality

### Spatial Domain

**West Coordinate:** 85.235292  
**East Coordinate:** 85.300545  
**North Coordinate:** 27.686517  
**South Coordinate:** 27.637576  
**Level:** Municipal  
**Coverage Location:** Kirtipur Municipality

### Projection Information

**Geographical Unit:** Metres  
**Projection Parameters:** Projection name: Transverse Mercator  
Spheroid: Everest 1830  
Longitude of Central Meridian: 87 00 00 E  
Latitude of Projection Origin: 00 00 00 N  
False Easting: 500 000m E  
False Northing: 0m N  
Scale factor at central meridian: 0.9999

### Data Storage

**Data Format:** Shapefile

### Citation

**Data Developed by:** MENRIS  
**Data Source:** KUDP, 1998  
**Data Source Scale:** 1:2,000

### Attributes of: river\_all

	Data type	Width	Number of decimals	Precision	Scale	Description
<b>FID</b>	OID	4		0	0	Internal feature number
<b>Shape</b>	Geometry	0		0	0	Feature geometry
<b>FNODE_</b>	Number	10				
<b>TNODE_</b>	Number	10				
<b>LPOLY_</b>	Number	10				
<b>RPOLY_</b>	Number	10				
<b>LENGTH</b>	Number	13	6			
<b>RIVER_</b>	Number	10				
<b>RIVER_ID</b>	Number	10				
<b>LENGTH_KM</b>	Number	8	2			

## METADATA

### Data Identification

**Name:** road03  
**Type:** vector digital data  
**Purpose:** Establishment of a database for Kirtipur Municipality  
**Theme:** Road Network  
**Place:** Kirtipur Municipality

### Spatial Domain

**West Coordinate:** 85.245990  
**East Coordinate:** 85.299149  
**North Coordinate:** 27.686121  
**South Coordinate:** 27.638426  
**Level:** Municipal  
**Coverage Location:** Kirtipur Municipality

### Projection Information

**Geographical Unit:** Metres  
**Projection Parameters:** Projection name: Transverse Mercator  
Spheroid: Everest 1830  
Longitude of Central Meridian: 87 00 00 E  
Latitude of Projection Origin: 00 00 00 N  
False Easting: 500 000m E- False Northing: 0m N  
Scale factor at central meridian: 0.9999

### Data Storage

**Data Format:** Shapefile

### Citation

**Data Developed by:** MENRIS  
**Data Source:** KUDP 1998, Field Survey 1999/2003  
**Data Source Scale:** 1:2,000

### Attributes of: road03

	Data type	Width	Number of decimals	Precision	Scale	Description
<b>FID</b>	OID	4		0	0	Internal feature number
<b>Shape</b>	Geometry	0		0	0	Feature geometry
<b>FNODE_</b>	Number	9				
<b>TNODE_</b>	Number	9				
<b>LPOLY_</b>	Number	9				
<b>RPOLY_</b>	Number	9				
<b>LENGTH</b>	Float	13	11			
<b>ROAD03_COV</b>	Number	9				
<b>ROAD03_C_1</b>	Number	9				
<b>FNODE1</b>	Number	9				
<b>TNODE1</b>	Number	9				
<b>LPOLY1</b>	Number	9				
<b>RPOLY1</b>	Number	9				
<b>RONET_</b>	Number	9				
<b>RONET_ID</b>	Number	9				
<b>LENGTH_KM</b>	Float	19	11			

## METADATA

### Data Identification

<b>Name:</b>	<b>teleline</b>
<b>Type:</b>	vector digital data
<b>Purpose:</b>	Establishment of a database for Kirtipur Municipality
<b>Theme:</b>	Telephone Line
<b>Place:</b>	Kirtipur Municipality

### Spatial Domain

<b>West Coordinate:</b>	85.264518
<b>East Coordinate:</b>	85.299074
<b>North Coordinate:</b>	27.679220
<b>South Coordinate:</b>	27.659865
<b>Level:</b>	Municipal
<b>Coverage Location:</b>	Kirtipur Municipality

### Projection Information

<b>Geographical Unit:</b>	Metres
<b>Projection Parameters:</b>	Projection name: Transverse Mercator Spheroid: Everest 1830 Longitude of Central Meridian: 87 00 00 E Latitude of Projection Origin: 00 00 00 N False Easting: 500 000m E False Northing: 0m N Scale factor at central meridian: 0.9999

### Data Storage

<b>Data Format:</b>	Shapefile
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### Citation

<b>Data Developed by:</b>	MENRIS
<b>Data Source:</b>	NTC, 2000
<b>Data Source Scale:</b>	1:2,000

### Attributes of: teleline

	Data type	Width	Number of decimals	Precision	Scale	Description
<b>FID</b>	OID	4		0	0	Internal feature number
<b>Shape</b>	Geometry	0		0	0	Feature geometry
<b>FID_</b>	Number	9				
<b>FNODE_</b>	Number	10				
<b>TNODE_</b>	Number	10				
<b>LPOLY_</b>	Number	10				
<b>RPOLY_</b>	Number	10				
<b>LENGTH</b>	Number	13	6			
<b>TELINE_</b>	Number	10				
<b>TELINE_ID</b>	Number	10				

## METADATA

### Data Identification

**Name:** transline  
**Type:** vector digital data  
**Purpose:** Establishment of a database for Kirtipur Municipality  
**Theme:** Transmission Line  
**Place:** Kirtipur Municipality

### Spatial Domain

**West Coordinate:** 85.255075  
**East Coordinate:** 85.299508  
**North Coordinate:** 27.681600  
**South Coordinate:** 27.643950  
**Level:** Municipal  
**Coverage Location:** Kirtipur Municipality

### Projection Information

**Geographical Unit:** Metres  
**Projection Parameters:** Projection name: Transverse Mercator  
Spheroid: Everest 1830  
Longitude of Central Meridian: 87 00 00 E  
Latitude of Projection Origin: 00 00 00 N  
False Easting: 500 000m E  
False Northing: 0m N  
Scale factor at central meridian: 0.9999

### Data Storage

**Data Format:** Shapefile

### Citation

**Data Developed by:** MENRIS  
**Data Source:** NEA, 2000  
**Data Source Scale:** 1:2,000

**Attributes of:** transline

	Data type	Width	Precision	Scale	Description
<b>FID</b>	OID	4	0	0	Internal feature number
<b>Shape</b>	Geometry	0	0	0	Feature geometry
<b>TRANL_ID</b>	Number	4			
<b>CAP_KV</b>	Number	4			
<b>SOURCES</b>	String	24			

## METADATA

### Data Identification

<b>Name:</b>	<b>waterline</b>
<b>Type:</b>	vector digital data
<b>Purpose:</b>	Establishment of a database for Kirtipur Municipality
<b>Theme:</b>	Water Supply Line
<b>Place:</b>	Kirtipur Municipality

### Spatial Domain

<b>West Coordinate:</b>	85.256399
<b>East Coordinate:</b>	85.291917
<b>North Coordinate:</b>	27.676668
<b>South Coordinate:</b>	27.653897
<b>Level:</b>	Municipal
<b>Coverage Location:</b>	Kirtipur Municipality

### Projection Information

<b>Geographical Unit:</b>	Metres
<b>Projection Parameters:</b>	Projection name: Transverse Mercator Spheroid: Everest 1830 Longitude of Central Meridian: 87 00 00 E Latitude of Projection Origin: 00 00 00 N False Easting: 500 000m E False Northing: 0m N Scale factor at central meridian: 0.9999

### Data Storage

<b>Data Format:</b>	Shapefile
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### Citation

<b>Data Developed by:</b>	MENRIS
<b>Data Source:</b>	DWSS, 2000
<b>Data Source Scale:</b>	1:2000, 1998

### Attributes of: waterline

	Data type	Width	Number of decimals	Precision	Scale	Description
<b>FID</b>	OID	4		0	0	Internal feature number
<b>Shape</b>	Geometry	0		0	0	Feature geometry
<b>FID_</b>	Number	9				
<b>FNODE_</b>	Number	10				
<b>TNODE_</b>	Number	10				
<b>LPOLY_</b>	Number	10				
<b>RPOLY_</b>	Number	10				
<b>LENGTH</b>	Number	13	6			
<b>WATERL_</b>	Number	10				
<b>WATERL_ID</b>	Number	10				
<b>WATERL_DIA</b>	Number	3				