Data	Resolution	Source	Remarks
Solar Radiation	251m	Global Solar Atlas (globalsolaratlas.info/download/nepal)	The long-term average of daily GHI totals, measured in kWh/m²/day, for the period 1999 –2020, published in 2021.
Average Annual Temperature	900m	Global Solar Atlas (globalsolaratlas.info/download/nepal)	The long-term annual average air temperature, measured in degrees Celsius (°C), for the period 1999–2020.
Roads	Vector	Open Street Map (www.openstreetmap.org)	Highways classified with the tags *trunk, primary, secondary,* and *tertiary* were extracted using the QGIS's plugin.
Substation	-	Nepal Electricity Authority (www.nea.org.np)	The list of substations was sourced from *A Year in Review: Fiscal Year 2023/2024*, published by the Nepal Electricity Authority.
Elevation	30m	ASTER GDEM (search.earthdata.nasa.gov)	The ASTER GDEM offers a global digital elevation model (DEM) of Earth's land areas at 1-arc-second resolution (~30 meters at the equator).
Slope	30m	ASTER GDEM (search.earthdata.nasa.gov)	”
Aspect	30m	ASTER GDEM (search.earthdata.nasa.gov)	”
Land Cover	30m	ICIMOD (https://rds.icimod.org/DatasetMasters/BulkDownload/1972729)	Created through the National Land Cover Monitoring System (NLCMS) for Nepal.