



NEPAL

SIRAHA

NDPBA SUBNATIONAL PROFILE

NEPAL

SIRAHA

Area: 1,188 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - High
Score: 0.599 • Rank: 17/77



RESILIENCE (R) - Low
Score: 0.431 • Rank: 55/77



MULTI-HAZARD EXPOSURE (MHE) - High
Score: 0.660 • Rank: 25/77



VULNERABILITY (V) - High
Score: 0.529 • Rank: 23/77



COPING CAPACITY (CC) - Low
Score: 0.392 • Rank: 49/77



Population (2021 Statistical Yearbook)
748,416



Infant Mortality Rate (per 1,000 live births)
50.3



Population below Poverty Line
34.6%



Population with Safe Drinking Water
90.0%



Adult Literacy
40.0%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 25 / 77 DISTRICTS
SCORE: 0.660



MHE
0.660

Raw MHE
0.725

Relative MHE
0.594

ESTIMATED EXPOSURE TO EACH HAZARD:



Earthquake

100%

792,023

\$1.09 Billion

Critical Infrastructure Exposed:
100%



Landslide

1%

4,851

\$21.91 Million

Critical Infrastructure Exposed:
2%



Extreme Heat

100%

791,945

\$1.09 Billion

Critical Infrastructure Exposed:
100%



Wildfire

<1%

24

-

Critical Infrastructure Exposed:
-



Fluvial Flood

20%

157,872

\$371.16 Million

Critical Infrastructure Exposed:
34%



Pluvial Flood

39%

310,078

\$597.2 Million

Critical Infrastructure Exposed:
55%

NOTE: Population exposure values for Nepal districts are estimated using PDC's AIM model. Values may differ from Census population estimates.



VULNERABILITY (V)

RANK: 23 / 77 DISTRICTS ASSESSED
SCORE: 0.529

Vulnerability in Siraha is primarily driven by Information Access Vulnerability and Gender Inequality. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

0  1 **SCORE: 0.820** **RANK: 9/77 DISTRICTS ASSESSED**

40.0% Adult Literacy	2.82 Mean Years of Schooling	78.1 Primary School Net Enrollment	25.69 Student Teacher Ratio
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Access to Clean Water Vulnerability

0  1 **SCORE: 0.466** **RANK: 28/77 DISTRICTS ASSESSED**

90.0% Access to Safe Drinking Water	78.7% Households without Toilet	28.1% Water Schemes in Disrepair	150.4 Typhoid Incidence (per 10,000)	49.8 Cholera Incidence (per 100,000)
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Economic Constraints

0  1 **SCORE: 0.626** **RANK: 19/77 DISTRICTS ASSESSED**

\$689 Income per Capita (PPP \$)	34.6% Poverty Headcount Ratio	8.0% Poverty Gap	86.3 Age Dependency Ratio
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Food Insecurity

0  1 **SCORE: 0.255** **RANK: 66/77 DISTRICTS ASSESSED**

17.1% Food Poverty Prevalence	18.5% Low kcal Intake Prevalence	62.3% Agricultural Insufficiency Rate
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Gender Inequality

0  1 **SCORE: 0.663** **RANK: 7/77 DISTRICTS ASSESSED**

0.52 Female to Male Literacy Ratio (Distance from Parity)	0.25 Female to Male Secondary Enrollment Ratio (Distance from Parity)	77.8% No Female Home nor Land Ownership
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VULNERABILITY (V)

RANK: 23 / 77 DISTRICTS ASSESSED
SCORE: 0.529

Vulnerability in Siraha is primarily driven by Information Access Vulnerability and Gender Inequality. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Vulnerable Health Status

0  1 SCORE: 0.347 RANK: 49/77 DISTRICTS ASSESSED

65.6
Life Expectancy

1.4%
Disabled Population



Child Health

0  1 SCORE: 0.430 RANK: 37/77 DISTRICTS ASSESSED

39.7%
Child Malnutrition Rate

50.3
Infant Mortality Rate (per 1,000 live births)

658.6
Child ARI Incidence (per 1,000)

46.1
Child Diarrhea Incidence (per 100)

65.1
Child Pneumonia Incidence (per 1,000)



COPING CAPACITY (CC)

RANK: 49 / 77 DISTRICTS ASSESSED
SCORE: 0.392

Siraha exhibits weaker Coping Capacity in the areas of Communications Capacity and Energy Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



Economic Capacity

0  1 **SCORE: 0.308** **RANK: 33/77 DISTRICTS ASSESSED**

17,784

Gross Domestic Product (Million Rs.)

82,972

Labor Productivity (Rs.)



Governance

0  1 **SCORE: 0.469** **RANK: 42/77 DISTRICTS ASSESSED**

0.18

Average Annual Conflict (per 10,000)

6.2

Government Management (Score out of 9)

4.25

Organization and Administration (Score out of 8)

6.65

Budget and Plan Management (Score out of 11)

6.2

Fiscal and Financial Management (Score out of 11)

9.8

Service Flow (Score out of 16)

5.3

Judicial Work (Score out of 7)

4.78

Physical Infrastructure (Score out of 13)

4.53

Social Inclusion (Score out of 10)

2.95

Environmental Protection and Disaster Management (Score out of 9)

1.25

Cooperation and Coordination (Score out of 6)



Environmental Capacity

0  1 **SCORE: 0.000** **RANK: 49/77 DISTRICTS ASSESSED**

0.0%

Protected Area



COPING CAPACITY (CC)

RANK: 49 / 77 DISTRICTS ASSESSED
SCORE: 0.392

Siraha exhibits weaker Coping Capacity in the areas of Communications Capacity and Energy Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



Infrastructure Capacity

0  1 **SCORE: 0.474** **RANK: 43/77 DISTRICTS ASSESSED**



Communications Capacity

0  1 **SCORE: 0.326** **RANK: 57/77 DISTRICTS ASSESSED**

1.8% Households with Landline	0.3% Households with Internet	35.5% Households with Television	36.5% Households with Radio	56.4% Households with Mobile Phone
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Logistics Capacity

0  1 **SCORE: 0.612** **RANK: 22/77 DISTRICTS ASSESSED**

12 Road Density (km per sq. km)	90.3% Improved Roadway	8.4 Average Distance to Airport (km)	109.8 Average Distance to Dry Port (km)	8.4 Average Distance to Warehouse (km)	11.9 Average Distance to Police Station (km)	11.3 Average Distance to Hospital (km)	0.87 Operational Hospital Beds (per 10,000)
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Energy Capacity

0  1 **SCORE: 0.484** **RANK: 41 /77 DISTRICTS ASSESSED**

67.3% Households with Electricity	3.5% Households using Gas for Cooking
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RESILIENCE (R)

RANK: 55 / 77 DISTRICTS ASSESSED
SCORE: 0.431

Siraha's score and ranking are due to High Vulnerability combined with Low Coping Capacity scores.

Below are the four thematic areas with the weakest relative scores:



Information Access Vulnerability



Gender Inequality



Communications Capacity



Energy Capacity

KEY FACTORS INFLUENCING RESILIENCE



Information Access Vulnerability

Limitations in information access can impede a population's ability to receive, understand, and take action. Emergency messages must take into account the unique information access constraints of the district. Emergency messages presented to the population must contain clear and simple information to ensure an appropriate response to save lives and reduce losses.



Gender Inequality

Marginalized populations are less likely to have their needs met under pre-disaster conditions, and therefore become even more susceptible to harm during times of disaster. Increase gender-based inclusion in all phases of DM, ensuring the implementation at subnational and local levels. Courses of action must recognize the role of women in society and support changes to policies and programs to promote gender-equal access.



Communications Capacity

The density, diversity, resilience, and quality of communications infrastructure influence how subnational- and local-level populations are able to facilitate effective and coordinated communication.

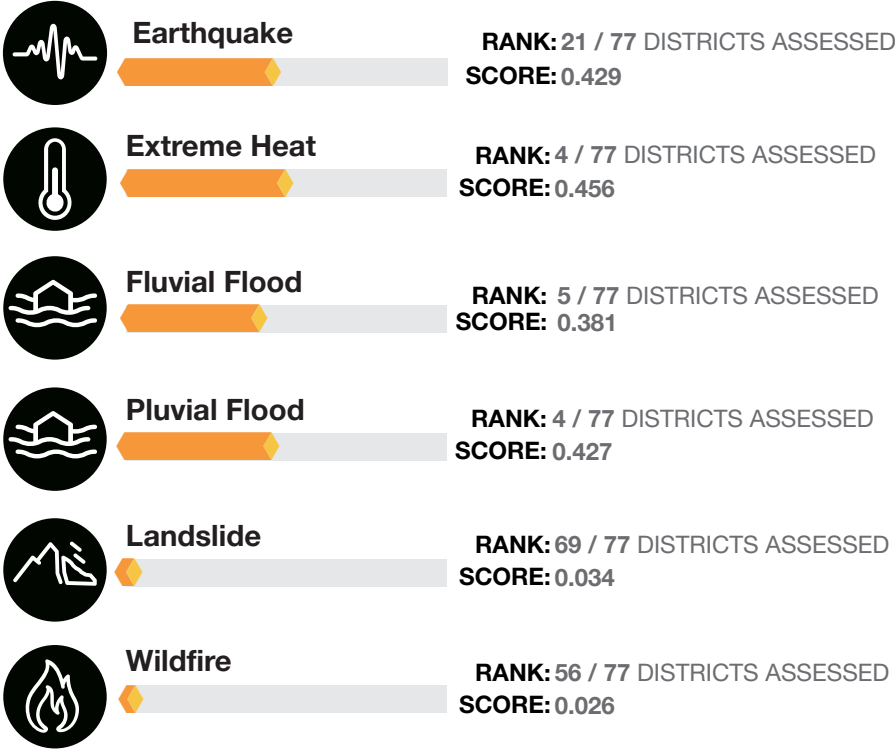


Energy Capacity

Homes, businesses, industry, and government all rely on access to energy resources for continuity of daily activities. Expanding, strengthening, and securing the energy network and increasing the availability and quantity of energy reserves will contribute to economic development and increase the speed of recovery processes in the aftermath of a disaster.



HAZARD-SPECIFIC RISK (HSR)





MULTI-HAZARD RISK (MHR)

17 / 77

RANK WITHIN DISTRICTS
Score: 0.599



Siraha's score and ranking are due to High Multi-hazard Exposure combined with High Vulnerability and Low Coping Capacity scores.

Multi-hazard risk component scores compared to overall average country scores:

 DISTRICTS SCORE
 COUNTRY SCORE



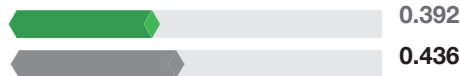
Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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