



NEPAL

ROLPA

NDPBA SUBNATIONAL PROFILE

NEPAL

ROLPA

Area: 1,879 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - High
Score: 0.565 • Rank: 28/77



RESILIENCE (R) - Very Low
Score: 0.343 • Rank: 66/77



MULTI-HAZARD EXPOSURE (MHE) - Very Low
Score: 0.381 • Rank: 67/77



VULNERABILITY (V) - Very High
Score: 0.610 • Rank: 13/77



COPING CAPACITY (CC) - Very Low
Score: 0.296 • Rank: 68/77



Population (2021 Statistical Yearbook)
236,226



Infant Mortality Rate (per 1,000 live births)
52.0



Population below Poverty Line
26.0%



Population with Safe Drinking Water
77.5%



Adult Literacy
50.7%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 67 / 77 DISTRICTS

SCORE: 0.381



MHE
0.381

Raw MHE
0.462

Relative MHE
0.300

ESTIMATED EXPOSURE TO EACH HAZARD:



Earthquake

100%

214,866

\$327.59 Million

Critical Infrastructure Exposed:
100%



Landslide

99%

212,680

\$327.59 Million

Critical Infrastructure Exposed:
100%



Extreme Heat

<1%

567

-

Critical Infrastructure Exposed:
-



Wildfire

0%

0

\$0

Critical Infrastructure Exposed:
0%



Fluvial Flood

1%

1,693

-

Critical Infrastructure Exposed:
-



Pluvial Flood

3%

7,441

\$13.17 Million

Critical Infrastructure Exposed:
4%

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



VULNERABILITY (V)

RANK: 13 / 77 DISTRICTS ASSESSED
SCORE: 0.610

Vulnerability in Rolpa is primarily driven by Information Access Vulnerability and Clean Water Access Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

0  1 **SCORE: 0.736** **RANK: 13/77 DISTRICTS ASSESSED**

50.7% Adult Literacy	2.44 Mean Years of Schooling	87.5 Primary School Net Enrollment	25.11 Student Teacher Ratio
--------------------------------	---	--	--



Access to Clean Water Vulnerability

0  1 **SCORE: 0.695** **RANK: 5/77 DISTRICTS ASSESSED**

77.5% Access to Safe Drinking Water	78.4% Households without Toilet	52.2% Water Schemes in Disrepair	254.1 Typhoid Incidence (per 10,000)	36.2 Cholera Incidence (per 100,000)
--	--	--	--	--



Economic Constraints

0  1 **SCORE: 0.596** **RANK: 21/77 DISTRICTS ASSESSED**

\$643 Income per Capita (PPP \$)	26.0% Poverty Headcount Ratio	5.6% Poverty Gap	97.0 Age Dependency Ratio
---	---	----------------------------	---



Food Insecurity

0  1 **SCORE: 0.538** **RANK: 26/77 DISTRICTS ASSESSED**

35.3% Food Poverty Prevalence	33.2% Low kcal Intake Prevalence	68.8% Agricultural Insufficiency Rate
--	--	---



Gender Inequality

0  1 **SCORE: 0.500** **RANK: 21/77 DISTRICTS ASSESSED**

0.42 Female to Male Literacy Ratio (Distance from Parity)	0.05 Female to Male Secondary Enrollment Ratio (Distance from Parity)	92.4% No Female Home nor Land Ownership
--	--	--



VULNERABILITY (V)

RANK: 13 / 77 DISTRICTS ASSESSED
SCORE: 0.610

Vulnerability in Rolpa is primarily driven by Information Access Vulnerability and Clean Water Access Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Vulnerable Health Status

0  1 **SCORE: 0.593** **RANK: 11/77 DISTRICTS ASSESSED**

64.8
 Life Expectancy

3.3%
 Disabled Population



Child Health

0  1 **SCORE: 0.687** **RANK: 9/77 DISTRICTS ASSESSED**

51.3%
 Child Malnutrition Rate

52.0
 Infant Mortality Rate (per 1,000 live births)

1001.2
 Child ARI Incidence (per 1,000)

80.7
 Child Diarrhea Incidence (per 100)

146.3
 Child Pneumonia Incidence (per 1,000)



COPING CAPACITY (CC)

RANK: 68 / 77 DISTRICTS ASSESSED
SCORE: 0.296

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



Economic Capacity

0  1 **SCORE: 0.110** **RANK: 68/77 DISTRICTS ASSESSED**

5,779 **61,192**
 Gross Domestic Product (Million Rs.) Labor Productivity (Rs.)



Governance

0  1 **SCORE: 0.451** **RANK: 45/77 DISTRICTS ASSESSED**

0.21 Average Annual Conflict (per 10,000)	6.94 Government Management (Score out of 9)	4.44 Organization and Administration (Score out of 8)	5.44 Budget and Plan Management (Score out of 11)	6.06 Fiscal and Financial Management (Score out of 11)	9.44 Service Flow (Score out of 16)	4.78 Judicial Work (Score out of 7)	4.31 Physical Infrastructure (Score out of 13)
3.94 Social Inclusion (Score out of 10)	2.89 Environmental Protection and Disaster Management (Score out of 9)	1.42 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: 68 / 77 DISTRICTS ASSESSED
SCORE: 0.296

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



Infrastructure Capacity

0  1 **SCORE: 0.347** **RANK: 62/77 DISTRICTS ASSESSED**



Communications Capacity

0  1 **SCORE: 0.320** **RANK: 58/77 DISTRICTS ASSESSED**

1.2% Households with Landline	0.3% Households with Internet	5.7% Households with Television	63.3% Households with Radio	47.0% Households with Mobile Phone
---	---	---	---------------------------------------	--



Logistics Capacity

0  1 **SCORE: 0.509** **RANK: 53/77 DISTRICTS ASSESSED**

9 Road Density (km per sq. km)	77.1% Improved Roadway	30.2 Average Distance to Airport (km)	148.4 Average Distance to Dry Port (km)	30.2 Average Distance to Warehouse (km)	19.4 Average Distance to Police Station (km)	16.6 Average Distance to Hospital (km)	0.63 Operational Hospital Beds (per 10,000)
--	----------------------------------	---	---	---	--	--	---



Energy Capacity

0  1 **SCORE: 0.214** **RANK: 62 /77 DISTRICTS ASSESSED**

21.5% Households with Electricity	2.2% Households using Gas for Cooking
---	---



RESILIENCE (R)

RANK: 66 / 77 DISTRICTS ASSESSED

SCORE: 0.343

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

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



Information Access Vulnerability



Clean Water Access Vulnerability



Energy Capacity



Communications 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.



Clean Water Access Vulnerability

Those without easy or adequate access to water distribution and containment systems face significant demands on daily routines that effectively limit their response and recovery capacity and the ability to maintain livelihoods. Increasing access to improved water and sanitation improves health outcomes and frees up resources to decrease further susceptibility to impacts.



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.

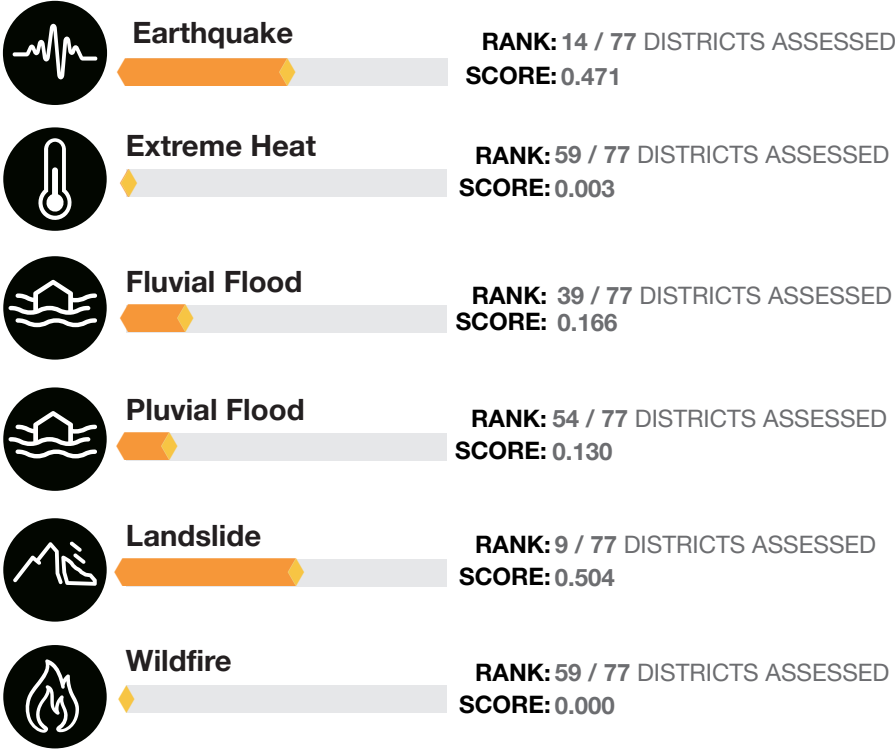


Communications Capacity

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



HAZARD-SPECIFIC RISK (HSR)





MULTI-HAZARD RISK (MHR)

28 / 77

RANK WITHIN DISTRICTS
Score: 0.565



Rolpa's score and ranking are due to Very Low Multi-hazard Exposure combined with Very High Vulnerability and Very 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.

**1305 N Holocono Street
Suite 2, Kihei, HI 96753**

**P: (808) 891-0525
F: (808) 891-0526**



@PDC_Global



/PDCGlobal



www.pdc.org



ndpba.npl@pdc.org