

Optimizing Relief Warehouse Locations in Pakistan
Using Natural Disaster Frequency Analysis



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LIST OF ABBREVIATIONS

Abbreviation	Explanation
CBC	Coin-or Branch and Cut
COG	Center of Gravity
CPFR	Collaborative Planning, Forecasting and Replenishment
CRED	Centre for Research on the Epidemiology of Disasters
DDMA	District Disaster Management Authority
DRO	Distributionally Robust Optimization
EM-DAT	Emergency Events Database
IFRC	International Federation of Red Cross and Red Crescent Societies
ILP	Integer Linear Programming
LP	Linear Programming
MIP	Mixed-Integer Programming
NDMA	National Disaster Management Authority
NEOC	National Emergency Operations Centre
NGO	Non-Governmental Organization
PDMA	Provincial Disaster Management Authority
QGIS	Quantum Geographic Information System
UN	United Nations
UNHRD	United Nations Humanitarian Response Depot
UNICEF	United Nations International Children's Emergency Fund
WFP	World Food Programme