

EVENT PROPOSAL

PATRON



Government of Nepal
Ministry of Energy, Water Resources
and Irrigation



HIMALAYAN GREEN ENERGY EXPO 2027

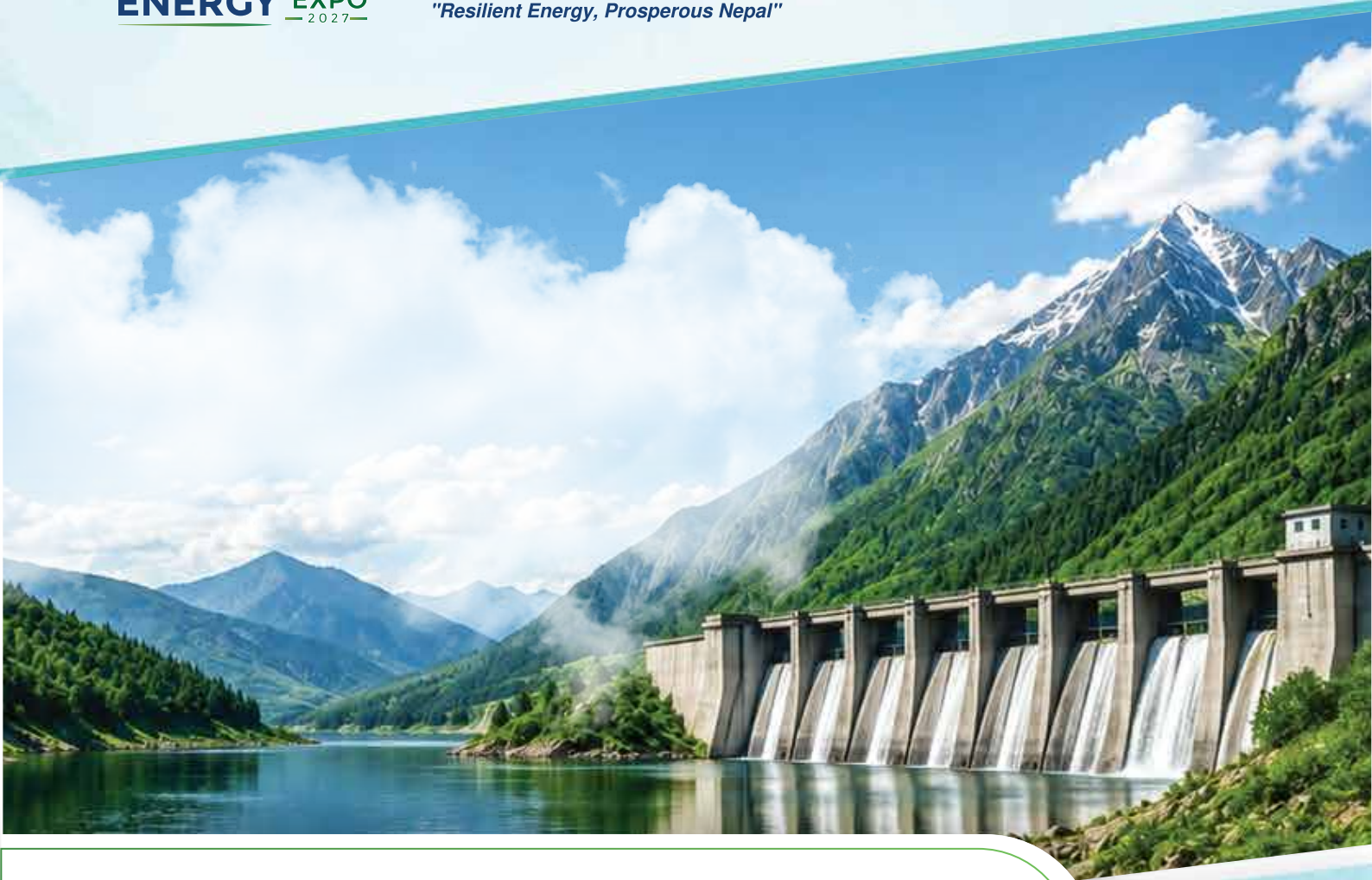
"Resilient Energy, Prosperous Nepal"



17TH-19TH JAN, 2027
3RD-5TH MAGH, 2083



BHRIKUTIMANDAP
KATHMANDU, NEPAL



INTERNATIONAL EXHIBITION • CONFERENCE • BUSINESS NETWORKING

Hydropower | Renewable Energy | Green Technology

Investment | Innovation | Sustainability

100+ EXPECTED EXHIBITORS | 50,000+ EXPECTED VISITORS

JOINTLY ORGANIZED BY



| EVENT BACKGROUND

Nepal's energy sector is entering a pivotal phase. Hydropower capacity has grown to approximately 4,145.7 MW, with a national target of 30,000 MW by 2035 — expanding beyond domestic power needs toward industrial growth, electric mobility, renewable energy, and cross-border power trade with India and Bangladesh.

But this growth is now being tested. Recent flash floods and debris flows have damaged hydropower projects across the country, exposing the vulnerability of energy infrastructure to climate-related disasters. The sector's future depends not only on scaling capacity, but on building it to withstand a changing climate.

Since 2018, the Himalayan Hydro Expo has connected key stakeholders across four editions through 2024. Himalayan Green Energy Expo 2027 marks the next chapter, expanding this established platform into a broader green-energy forum, while placing resilience at the center of the conversation. Under the theme "Resilient Energy, Prosperous Nepal," the Expo will bring together the innovation, investment, and partnerships needed to build an energy future that is both sustainable and disaster-resilient.

| ABOUT HIMALAYAN GREEN ENERGY EXPO 2027

Himalayan Green Energy Expo is an international platform focused on Nepal's evolving clean-energy landscape, bringing together hydropower, renewable energy, green technologies, investment, innovation, and sustainable infrastructure under one roof.

Building on the experience of previous editions, and in light of recent climate-driven disruptions to hydropower infrastructure, the 2027 edition places renewed emphasis on climate-resilient energy development, connecting industry leaders, investors, policymakers, technology providers, developers, and energy professionals to explore emerging opportunities, showcase resilient solutions, and strengthen partnerships across the sector.

The Expo represents a step toward positioning Nepal as a regional hub for clean-energy dialogue, investment, and innovation while supporting the country's transition toward an energy future that is sustainable, integrated, and built to last.

| EVENT DETAILS |

Full Name	Himalayan Green Energy Expo 2027 (HIGEX 2027)
Tagline	Resilient Energy, Prosperous Nepal
Date	3 rd – 5 th Magh 2083 17 th – 19 th January 2027
Proposed Venue	Bhrikutimandap, Kathmandu, Nepal
Duration	3 Days
Format	International B2B & B2C Expo
Primary Focus	Hydropower, Renewable Energy & Green Technology
Target Market	Nepal, Southasia & International Energy Market

WHY HIMALAYAN GREEN ENERGY EXPO 2027?

The energy sector is rapidly evolving beyond conventional hydropower toward an integrated clean-energy ecosystem and toward one that must be built to withstand a changing climate. Nepal's growing opportunities in solar, wind, energy storage, green hydrogen, e-mobility, smart grids, and digital technologies create new possibilities for investment, innovation, and collaboration. Recent flash floods and debris flows affecting hydropower projects across the country underscore that this growth must go hand-in-hand with stronger risk management and climate-resilient design.

Building on the foundation of the Himalayan Hydro Expo, the 2027 edition expands its focus to create an integrated Green Energy Marketplace where resilience, alongside investment and innovation, is central to how Nepal's energy sector grows. This is the platform where stakeholders across the wider energy value chain come together to build not just a bigger energy sector, but a more resilient one.

THE EXPO WILL BRING TOGETHER
HYDROPOWER | SOLAR + WIND | STORAGE | GREEN HYDROGEN
E-MOBILITY | DIGITAL ENERGY



WHY PARTICIPATE?

CONNECT: Meet decision-makers, developers, investors & industry leaders

SHOWCASE: Present products, projects, technologies & solutions

GENERATE BUSINESS: Engage clients, buyers, distributors & partners

SECURE INVESTMENT: Connect with investors, banks & financial institutions

BUILD YOUR BRAND : Gain exhibition, media & digital visibility

DEMONSTRATE: Showcase technologies and solutions to potential users

LEARN & ENGAGE: Gain insights through experts, technical sessions & industry dialogue

EXPAND : Explore national, regional & international opportunities

PUBLICITY & MARKETING

DIGITAL PROMOTION (MULTI-CHANNEL) | MEDIA & PUBLIC RELATIONS
OUTDOOR & VENUE BRANDING | CONTENT & ENGAGEMENT
DIRECT INDUSTRY OUTREACH

VISITOR PROFILE



Government & Policy

Policymakers • Regulators • Government Officials
• National & International Delegations • Diplomats



Engineering & Infrastructure

EPC Contractors • Engineers • Project Managers
• Consultants • Construction Companies



Knowledge & Innovation

Researchers • Universities • Students
• Entrepreneurs



Business & Investment

Investors • Investment Partners • Banks
• Financial Institutions • Project Developers



Technology & Industry

Technology Providers • Importers • Exporters
• Dealers • Distributors • Manufacturers



Sustainability & Media

NGOs • INGOs • Sustainability Professionals
• Journalists • Industry Analysts • Energy Media

EXHIBITOR PROFILE



Energy & Projects

Hydropower • Solar • Wind • Biogas & Biomass
• IPPs • Project License Holders



Power & Electricals

Turbines • Generators • Solar PV • Inverters
• Batteries • Storage • Transformers • Switchgear



Transmission & Distribution

Transmission Companies • Distribution Companies
• Electric Utilities • Grid Technology



Digital & Smart Energy

IT • Digital Energy • IoT • AI • Automation
• Smart Energy Solutions



Knowledge & Innovation

Universities • Research Institutions • Startups
• Innovation Hubs • Technology Innovators



Investment & Finance

Investors • Investment Partners • Banks
• Financial Institutions • Insurance Companies



Renewable & Emerging Technology

Wind • Biogas • Biomass • Waste-to-Energy
• Energy Management • Climate Tech



Engineering & Construction

Contractors • Engineering & Consultancy
• Construction Materials • Steel • Cement • Pipes



Government & Institutions

Authorities • Regulators • Industry Associations
• INGOs • NGOs • Development Organizations



EVENT ATTRACTION

- B2B BUSINESS MEETINGS
- INTERNATIONAL COUNTRY PAVILIONS
- GALA NETWORKING DINNER
- HIMALAYAN GREEN ENERGY CONFERENCE
- GREEN ENERGY KNOWLEDGE HUB
- PROJECT SITE VISITS
- LIVE TECHNOLOGY DEMONSTRATIONS
- STARTUP HUB
- ENERGY PRODUCT & SERVICE COMPETITION
- HYDRO CON SHOW
- EV RALLY

The attractions are designed to combine business, knowledge, technology and engagement throughout the Expo.

NEPAL'S ENERGY LANDSCAPE



CURRENT STATUS & DEVELOPMENT POTENTIAL

Nepal's energy sector is expanding rapidly, with hydropower at its core and growing opportunities across solar, energy infrastructure, technology and emerging green-energy solutions. The current capacity and project pipeline highlight significant opportunities for investment, technology and industry participation.



CURRENT POWER CAPACITY

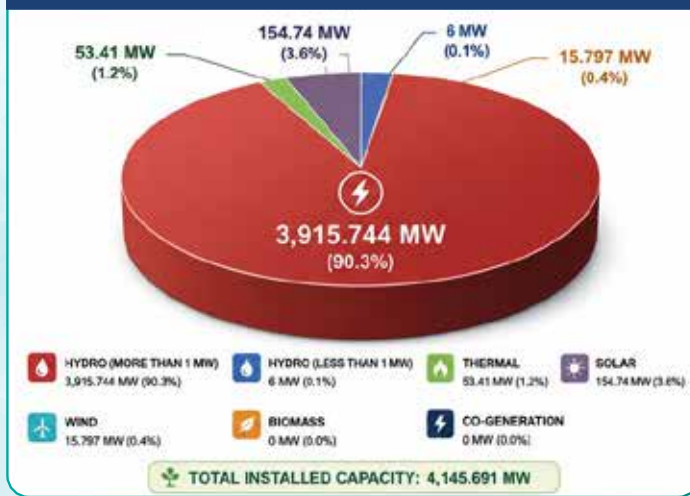
4,145.7 MW



Nepal's power capacity by energy source

Capacity represented in the supplied Department of Electricity Development data.

POWER PLANTS IN NEPAL



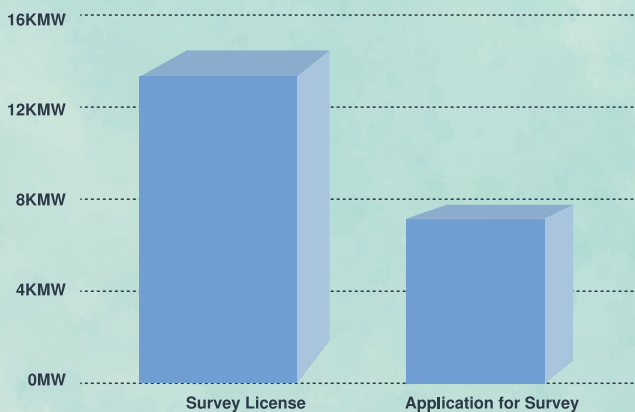
THE DEVELOPMENT PIPELINE

SURVEY & DEVELOPMENT ACTIVITY

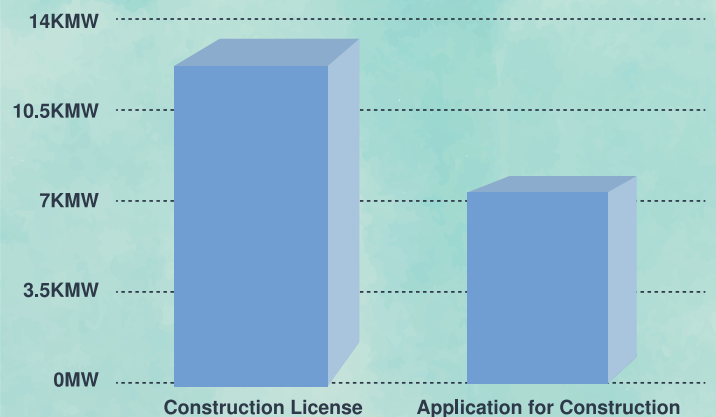
Beyond existing power plants, a substantial volume of capacity is represented across different stages of the licensing and project-development process.

Survey-stage capacity pipeline

Comparison of capacity represented by survey licenses and applications for survey licenses.



CONSTRUCTION & IMPLEMENTATION PIPELINE



CONSTRUCTION-STAGE CAPACITY PIPELINE

Comparison of capacity represented by construction licenses and applications for construction licenses.

These figures demonstrate that Nepal's energy opportunity extends well beyond currently operating capacity. A large development pipeline creates continuing demand for:



SUMMARY

PROJECTS

Hydropower • Solar • Renewables

EQUIPMENT

Turbines • Generators • PV • Grid Equipment

INFRASTRUCTURE

Transmission • Distribution • EPC

FINANCE

Investors • Banks • Green Finance

TECHNOLOGY

AI • IoT • Automation • Digital Energy

EMERGING

Storage • EV • Green Hydrogen • Waste-to-Energy

SERVICES

Engineering • Consultancy • O&M • Procurement

PROJECTS

Hydropower • Solar • Renewables

Source: DoED, Government of Nepal - Power Plants Data, 27 August 2026

RECENT FLOOD IMPACT

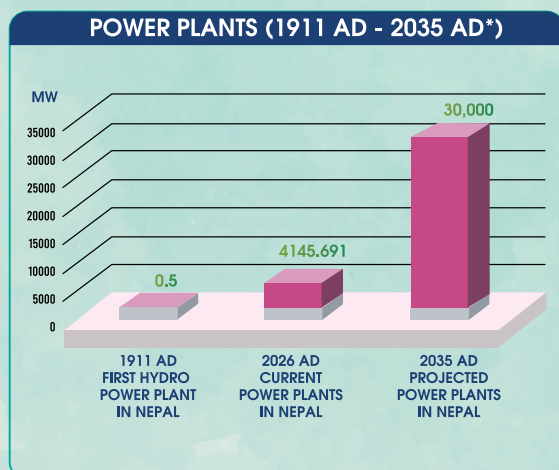
Recent flash floods and debris flows have highlighted the vulnerability of Nepal's energy infrastructure, with hydropower projects and projects under construction reported damaged.

The event reinforces the need for climate-resilient infrastructure, stronger risk management and sustainable energy solutions.

NEPAL'S ENERGY JOURNEY

FROM 0.5 MW TO A 30,000 MW VISION

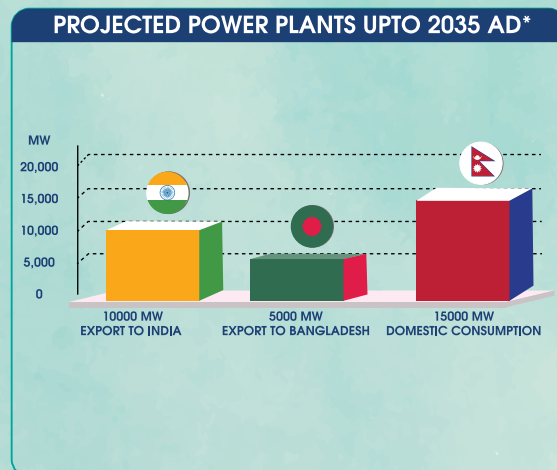
Nepal's energy journey reflects a remarkable transformation from the country's first 0.5 MW hydropower plant in 1911, to approximately 4,145.7 MW of current power capacity, with a long-term ambition of reaching 30,000 MW by 2035. Historical, current and target power capacity shown in the supplied reference graphic.



NEPAL'S ENERGY ROADMAP

Powering Domestic Growth & Regional Markets

Nepal's future energy development is expected to serve both domestic economic growth and expanding regional electricity markets. The projected 2035 outlook highlights a potential 30,000 MW power portfolio, with 15,000 MW for domestic consumption, 10,000 MW for export to India and 5,000 MW for export to Bangladesh.



CLOSING
CALL TO PARTNERSHIP

JOIN THE ENERGY FUTURE

Nepal's energy sector is entering a transformative phase-creating new opportunities for investment, technology, infrastructure, innovation and regional cooperation.

HIMALAYAN GREEN ENERGY EXPO 2027 aims to bring together the people, organizations and ideas that can help shape this future.

CONNECT

INVEST

INNOVATE

GROW

Be part of a platform connecting Nepal's energy potential with the technologies, investments and partnerships of tomorrow.

LET'S POWER NEPAL'S GREEN FUTURE TOGETHER.



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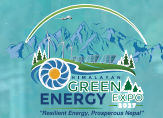
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